Kalamazoo Public Schools

Every child. Every opportunity. Every time.

2026-2027 HIGH SCHOOL BULLETIN OF COURSES





Kalamazoo Central High School
Kalamazoo Innovative Learning Program (KILP)
KPS Virtual
Loy Norrix High School
Phoenix High School

Table of Contents

Advanced Placement (AP) 26
Alphabetical Listing of Courses by Department 29
Career Launch Kalamazoo (CLK) 20
Career Pathways 28
College Entrance Exams 24
College Financing - The Financial Aid Process 25
College Preparation 23
Earning/Making Up Required Credits 10
Enrollment/Grade Classification 10
Graduation Checklist 21
Graduation Requirements 10
Kalamazoo Innovative Learning Program (KILP) 8
National Collegiate Athletic Association (NCAA) 27
Phoenix High School 7
Required Credits and Course Options 11
Semesters 13
Test Out Exams 27
The Kalamazoo Promise 22

Course Descriptions Listed by Department

Academic Instruction 35
Art 36
Business Education 40
Career and Technical Education (CTE) 47
Education for the Arts (EFA) 58
Early/Middle College (EMC) Programs 66
Edmentum Courseware 67
English 68
English Language Development (ELD) 78
English Language Development - Integrated 80
Family and Consumer Science 83
Health 85
Leadership 86
Mathematics 87
Music 94
Physical Education 99
Science 102
Social Studies 107
Virtual Learning Program 114
World Languages 115

Unique Programs and Services

Advanced Placement Courses 122
ATYP (Academically Talented Youth Program) 122
Career and Technical Education (CTE) 122
Credit Retrieval 122
Dual Enrollment 123
Edmentum Courseware 124
Education for the Arts (EFA) 124
Homework Standards 124
Kalamazoo Area Math and Science Center 124
Michigan Virtual University (MVU)** 124
Online Advanced Placement (AP) Courses** 124
PowerSchool 124
Student Assistance Program 125
Student Services 125
Summer School 125
Three, Four, and Five-Year Graduation Plans 125
Essential Characteristics of Quality Online Learning Experiences 126
Merit Academic Credit (MAC) 128

Kalamazoo Central High School Counseling and Guidance



Judi Mentzer, Dean of Students

Mrs. Mentzer is a life-long Kalamazoo area resident. Mrs. Mentzer earned her Associates Degree from Kalamazoo Valley Community College, A Bachelor of Science in Secondary Education-Mathematics and earned her Masters of Arts Degree in Counseling Education and Counseling Psychology. Both of these degrees were from Western Michigan University. Mrs. Mentzer joined the Kalamazoo Central High School counseling staff in the fall of 2019. Prior to that she was the counselor for 26 years at Climax-Scotts Junior/Senior High School.

Kelly Fullerton, Counselor
Serves Students with Last Names M-Q, U, V



Ms. Fullerton is a proud alumni of Kalamazoo Central High School. She has an Associate degree in Early Childhood Education from KVCC; a Bachelor of Arts in Middle Grades Education from Clark Atlanta University; and has her Masters of Arts in Counselor Education grades 6-12. Ms. Fullerton joined the Kalamazoo Central High School counseling staff in the fall of 2014. Prior to that, she was a middle/high school counselor in Covert, Michigan.



Jennifer Garrison, Counselor
Serves Students with Last Names C-G

Mrs. Garrison is from Wahpeton, North Dakota, but now resides in Portage. She earned her Bachelor of Arts in Psychology from the University of Minnesota in 1998, a Masters of Education from National Louis University in 2002 and a Masters of Arts in School Counseling from Spring Arbor University in 2016. She has one year counseling experience in Winthrop, Minnesota and one year of middle school counseling experience in Dowagiac, MI. She joined the School Counseling staff at Kalamazoo Central in the fall of 2019.

The mission of Kalamazoo Central High School, a dynamic, student centered, diverse community of learners, is to prepare all students to graduate and to become lifelong learners who are responsible, contributing members of society, by providing relevant learning opportunities, personalized programs, and a knowledgeable, committed, nurturing staff in a safe environment.

K C

Kalamazoo Central High School Counseling and Guidance



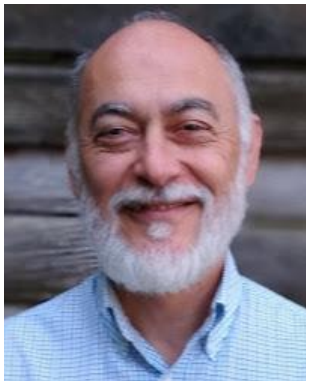
Annie Hampel, Counselor
Serves Students with Last Names A, B, T

Mrs. Hampel is originally from Minnesota and moved to Kalamazoo in 2014. She attended the University of Wisconsin-Madison for undergraduate and graduate school and earned her Masters of Science in Counseling in 2006. In Wisconsin, she gained experience working with youth in community organizations and schools. She moved to the east side of Michigan in 2011 and worked at the high school level before moving to Kalamazoo. Prior to joining the Kalamazoo Central team, she was a middle school counselor at Gull Lake Middle School for 8 years.



Randen Kroes, Counselor
Serves Students with Last Names R, S, W

Mr. Kroes is from Kalamazoo, Michigan, and attended Otsego High School. He earned his Bachelor's and teaching degree in Physical Education from Grand Valley State University in 1999, and his Master's degree in Counseling Education from Western Michigan University in 2010. He taught Physical Education for Kalamazoo Public Schools for 9 years and is in his 9th year of School Counseling in the district including time spent at Linden Grove Middle School and the Alternative Learning Program (ALP).



Angel Olivarez, Counselor
Serves Students with Last Names H-L, Y, Z

Mr. Olivarez is originally from Brownsville, Texas but has lived in Kalamazoo since 1999. Mr. Olivarez earned his Bachelor of Arts in Elementary Education from Southwest Texas State University and his Master of Arts in School Counseling from the University of Texas. He joins the Kalamazoo Central High School Counseling Staff this fall after being a school counselor at Maple Street for 23 years. Before working at KPS, he taught in the Detroit Public School system and in his hometown taught 4th grade, middle school ESL, and served as an Elementary School Counselor. Se habla español.

The mission of Kalamazoo Central High School, a dynamic, student centered, diverse community of learners, is to prepare all students to graduate and to become lifelong learners who are responsible, contributing members of society, by providing relevant learning opportunities, personalized programs, and a knowledgeable, committed, nurturing staff in a safe environment.

K C

Loy Norrix High School Counseling and Guidance

Stephanie Perry, Dean of Students



Mrs. Perry earned her Bachelor of Arts degree in Elementary Education from Central Michigan University in 2002, Masters of Arts in Educational Leadership from Saginaw Valley State University in 2006, and Masters of Arts: Professional School Counseling from Lamar University in 2013. She has many educational experiences including an emergency certification for Emotionally Impaired students and teaching in Chippewa Hills Intermediate School in Remus and White Pine Middle School in Saginaw Township. She moved to Kalamazoo to teach 4th grade, then became a Climate Culture Instructional Coach for three years, followed by 8 years as a school counselor at Linden Grove Middle School.



Pamela Cook, Counselor
Serves Students with Last Names A-Co

Ms. Cook earned her Bachelor of Science Degree in Elementary Education from the University of Wisconsin-Superior in 1995 and her Masters of Arts Degree in Counselor Education and Counseling Psychology from WMU in 2003. Ms. Cook joined the counseling department at Loy Norrix in 2015. Prior to that, she worked as an elementary teacher and high school counselor in Battle Creek, Michigan.

Becky Parsons, Counselor
Serves Students with Last Names Cr-Ha

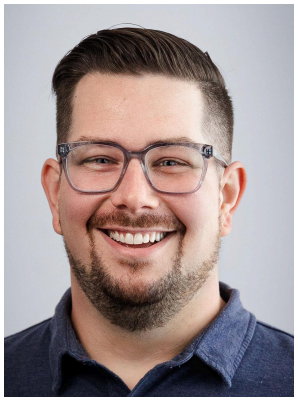


Miss Parsons earned her Bachelor of Arts Degree in Art Education from Western Michigan University in 2002 and her Master of Arts Degree in Counselor Education and Counseling Psychology from Western Michigan University in 2009. Miss Parsons joined the counseling department at Loy Norrix in 2018. Prior to that, she worked as a school counselor at the elementary, middle, and high school levels.

L N

The mission of Loy Norrix High School is to provide a safe, diverse, and academically rich environment for our students. Our purpose is to provide students with the tools, skills, and knowledge necessary to become contributing members of society.

Loy Norrix High School Counseling and Guidance



Matt Ray, Counselor
Serves Students with Last Names Me-R

Mr. Ray earned his Bachelor of Arts in Community and Human Services from Siena Heights University and his Master of Arts in Counseling from Spring Arbor University. Before joining the counseling profession, Mr. Ray worked in church ministry and served as a program manager at a local Kalamazoo housing agency, where he supported individuals experiencing homelessness. Mr. Ray began his journey at Loy Norrix as a counseling intern from January to June 2024 and officially joined the counseling department as a school counselor for the 2024-2025 school year. He and his wife are raising their four children, all of whom attend Kalamazoo Public Schools. In his free time, he enjoys spending time with his family and their beloved goldendoodle.

Natalie Washington, Counselor
Serves Students with Last Names S-Z



Mrs. Washington earned her Bachelor of Arts Degree in Sociology, with a minor in Psychology from Western Michigan University in 2011. She completed her Masters in Counselor Education and Counseling Psychology from WMU in 2017. Mrs. Washington has been a proud Kalamazoo resident for several years and joined the Loy Norrix counseling department in the Fall of 2019. Prior to Loy Norrix, Mrs. Washington worked as a counselor for Battle Creek Public Schools.



Jocelyn Wright Newman, Counselor
Serves Students with Last Names He-MC

Mrs. Wright Newman earned her Bachelor of Arts Degree in International Studies and Spanish from Emory University in 1997 and her Master of Arts Degree in Counselor Education from WMU in 2006. Mrs. Wright Newman has lived in Kalamazoo for many years and joined the counseling department at Loy Norrix in 2024. Prior to that, she was a school counselor at the middle school, high school and post-secondary levels as well as a Career Development Consultant with Kalamazoo RESA.

L N

The mission of Loy Norrix High School is to provide a safe, diverse, and academically rich environment for our students. Our purpose is to provide students with the tools, skills, and knowledge necessary to become contributing members of society.

Phoenix High School

Phoenix High School is designed for students who would find success in a smaller, more personal School setting. A smaller learning environment that is centered on students ' interests and passions, and a strong academic curriculum and core subject areas, helps students engage in the learning and college readiness process.

Program Features:

- Smaller, personalized learning environment
- Focus on core curriculum credit accumulation
- Kalamazoo Promise eligible
- Transportation provided for KPS residents
- School hours 7:25 a.m.-1:01 p.m.
- Personalized mentoring and monitoring program
- Courseware (online instruction) available during and after school
- Partnership with W.M.U. School of Education to provide post-secondary mentoring and tutoring
- Xello

Graduation Credits:
18 Credits are required to graduate from Phoenix High School, included are the following course credits:

4.0 English	1.0 Visual, Performing, and Applied Arts	0.5 Health
4.0 Math	2.0 World Language	0.5 Personal Finance
3.0 Science	0.5 Physical Education	0.5 Elective
3.0 Social Studies	** The **Online Experience** is offered through various courses.	

Enrollment Process

1. Inform homeschool regarding intent to apply for enrollment to Phoenix High School
2. Contact Phoenix High School to schedule an appointment at (269) 337-0760
3. Interview and Orientation Preparation (Phoenix will provide details)

Meet Your Counselor

Mrs.Stephanie Simpson earned her Bachelor's of Arts and teaching in 2007 and Master's of Arts in School Counseling in 2011 from the University of Detroit Mercy. In addition, Mrs Simpson earned her Education Specialist Degree in Administration and Supervision from Wayne State University in 2015. Simpson joined Kalamazoo Public Schools in 2014 as a school counselor at Phoenix High School, then worked at Milwood Middle School, and now has returned to Phoenix High School in 2024.



The mission of Phoenix High School, one of four high schools for Kalamazoo Public School students, is to ensure that all students with a desire to graduate are given that opportunity in a smaller, student-centered environment.

Kalamazoo Innovative Learning Program (KILP)

The Kalamazoo Innovative Learning Program (KILP) is a small hybrid(part-time in-person/part-time remote) high school designed for 3rd and 4th-year students who need to recover lost credit and progress toward graduation. KILP is designed for students who are significantly behind in credits and who need more flexibility in their schedules.

Students engage in their Michigan Merit curriculum through a virtual platform with the support of a teacher and other support personnel, and work on their classes both in-person and remotely. Staff encourage students throughout their enrollment, but students should be able to work independently.

Program Features: 10-20 students per in-person session; 10:1 Average Student: Teacher Ratio; Flexible schedule, Individualized learning environment; Kalamazoo Promise eligible

Schedule, Graduation Requirements, How to Enroll

Students are required to attend school all 5 days for their assigned 2-hour class session. Students are also expected to work at home for a minimum of 4 hours each school day, resulting in 20+ hours each week. The daily schedule is as follows:

Session 1	Session 2	Session 3
Class Time: 8:30-10:30 Cold Breakfast: 8:15-8:30	Class Time: 10:30- 12:30 Hot Lunch: 12:30-12:45	Class Time: 1:00-3:00 Hot Lunch: 12:30-12:45

Graduation Requirements: 18 Credits

4.0 English	1.0 Visual, Performing, and Applied Arts	0.5 Health
4.0 Math	2.0 World Language	0.5 Personal Finance
3.0 Science	0.5 Physical Education	0.5 Elective
3.0 Social Studies	**The **Online Experience** from the MMC is met due to the hybrid structure of KILP.**	

How to Enroll

1) Request a referral from your KPS high school counselor.
2) Your counselor will submit your referral to Student Services and KILP using the KILP Application
3) If you meet the criteria and there is space available in the program, someone from KILP will reach out to you to set up a time for an intake interview.

Meet Your Counselor



Mrs. DaSilva earned her Bachelor of Science degree in Psychology with a minor in Holistic Health Care from Western Michigan University in 2014. She completed her Master of Arts degree in Counselor Education: School Counseling from Western Michigan University in 2021. Mrs. DaSilva is a proud lifelong Kalamazoo resident, Loy Norrix High School graduate and Kalamazoo Promise recipient.

Kalamazoo Virtual Secondary Program

KPS Virtual Secondary Program is a “choice” program at Kalamazoo Public Schools that families can opt into during the **School of Choice Process.** KPS Virtual Secondary Program is designed for students in **grades 6-12** who are interested in pursuing their coursework from home, on an online platform.

What you need to know before signing up:

- Students should be independently motivated and relatively self-sufficient learners, expecting approximately 15-20 (plus) hours per week of independent or asynchronous work.
- Though students will not spend the typical 30 hours of seat time in a building, they will have anywhere from 10-15 hours in scheduled synchronous classes via Google meetings a few times a week. Schedules are more like college schedules, where students may have classes on some days and not on others, allowing them to be more flexible. This often works well with KAMSC students, students who have Dual-Enrollment courses, and students who have jobs or take outside personal enrichment classes (gymnastics training, etc.). This program also works well for students who do not do well in the larger school environments.
- Students are expected to participate in the synchronous courses fully with their cameras on, as a part of the virtual community. We understand that accommodations have to be made for some students with disabilities or needs, but we expect all of our students to be engaged.
- We do offer in-person support by appointment and try to provide opportunities for our students to engage in activities after school with their peers, especially in the Middle School. Students are also encouraged to continue to participate in their home school activities (they remain connected to their home middle school or high school).
- KPS Virtual is a PROGRAM, not a SCHOOL. Students remain students of their home school the entire time, and can attend all school activities and graduate from their middle and high schools.

Program Features: More individualized and small group interaction with instructors; more independence with coursework; more flexibility with schedules; maintain home high school status for sports, activities, services; Kalamazoo Promise eligible

Graduation Requirements: 24 credits

4.0 English	0.5 College/Career Readiness	0.5 Health
4.0 Math	2.0 World Language	0.5 Personal Finance
3.0 Science	1.0 Visual, Performing, Applied Arts	4.0 Elective
4.0 Social Studies	0.5 Physical Education	

How to Enroll: Sign up for KPS Virtual (Secondary) through the School of Choice Process.

Meet Your Counselor



Mrs. DaSilva earned her Bachelor of Science degree in Psychology with a minor in Holistic Health Care from Western Michigan University in 2014. She completed her Master of Arts degree in Counselor Education: School Counseling from Western Michigan University in 2021. Mrs. DaSilva is a proud lifelong Kalamazoo resident, Loy Norrix High School graduate and Kalamazoo Promise recipient.

KPS Virtual

Enrollment/Grade Classification

Ninth Grade: Students who enter our high school from one of our middle schools are expected to have passed all eighth-grade courses.

Minimum number of credits needed for classification as:

Sophomore	Grade 10	5.0
Junior	Grade 11	11.0
Senior	Grade 12	17.0

Minimum number of credits required to graduate: 24

Graduation Requirements

Note: The Kalamazoo Public Schools Board of Education adopted the following graduation requirements and met the Michigan Merit Curriculum (MMC). The requirements are subject to review and may change at the discretion of the Board. Any such changes would follow a phase-in process. In addition to the Board-approved graduation requirements, students may need to meet additional requirements specific to their school. Your counselor can advise you of specific requirements for graduation.

Class of 2026 – 2027

Required Subjects	# of Credits
English	4
Mathematics	4
Science	3
Social Studies	4
Physical Education	.5
Health	.5
Visual, Performing and Applied Arts	1
World Language	2
Personal Finance	.5
College & Career Readiness	.5
Electives	4
Total Credits	24

Additional Requirements for Graduation:

- Michigan Merit Exam (MME)

All 11th-grade students must take all components of the MME as a requirement for graduation from the Kalamazoo Public Schools.

MME is comprised of the SAT with Essay and M-Step Science and Social Studies (online).

Earning/Making Up Required Credits

Students who fail a required course, must make up the course through credit recovery options.

Required Credits and Course Options

Michigan Merit Curriculum (MMC)

English
See pages 74-83 for course descriptions

Four (4.0) credits are required to meet the MMC for graduation:

English 9 or Honors English 9
English 10 or Honors English 10
English 11 or Honors English 11

or AP English: Language & Composition

Students must have an English experience in their final year of high school. Students must choose from the following courses to fulfill the fourth credit requirement for graduation.

AP English: Language and Composition
AP English: Literature and Composition
Advanced Journalism
College English
English 12

Health
See page 91 for course descriptions

A half (0.5) credit is required to meet the MMC for graduation.

Health: A Wellness Approach

Identified EFA courses also meet the Health requirement. See pages 64-70 for these courses.

Mathematics
See pages 93-99 for course descriptions

Four (4.0) credits are required to meet the MMC for graduation, including the following courses or demonstrated proficiency on SAT:

Algebra I*
Geometry
Algebra II

*KPS students who pass Algebra I in 8th grade will receive one (1.0) high school math credit. High school students who did not attend a KPS middle school, will need to take Algebra I in high school OR pass the test out exam OR score proficient on the SAT. See your counselor for details.

Students have the opportunity to take Algebra II over three semesters for 1.5 math credits.

Students must have a math experience in their final year of high school. Any math or math related elective courses will count towards fulfillment of the final year math experience:

Additionally, identified CTE courses also meet the final year math requirement. See pages 52-63 for these courses.

Personal Finance
See page 94 for course description

A half (0.5) credit is required to meet the MMC for graduation:

Personal Financial Literacy

Physical Education
See pages 104-106 for course descriptions

A half (0.5) credit is required to meet the MMC for graduation.

Health Lifestyles Through Aquatics
Health Lifestyles Through Physical Activity
Lifetime Sport and Physical Activity
Recreational Team Sports

Students are limited to no more than two (2) physical education courses during their freshman year.

Physical education credit may be subject to a waiver. For more information, please contact your school counselor or dean of students.

Additionally, identified EFA courses also meet physical education requirements. See pages 64-70 for these courses.

Required Credits and Course Options

Michigan Merit Curriculum (MMC)

Science

See pages 107-111 for course descriptions

Three (3.0) credits are required to meet the MMC for graduation. Starting in the 2023-2024 school year, students must have successfully completed one semester in each of the following areas of science: Physical Science, Life Science, and Earth Science.

Physical Science	Life Science	Earth Science
AP Physics AP Chemistry Chemistry: Foundations Environmental Science Forensics Science A Honors Chemistry: Analytical Honors Chemistry: Organic Forensic Science A	AP Biology Biology: Cells, Evolution, and Biotechnology Biology: DNA, Energy, Pathways, and Ecology Forensics Science B	Astronomy Earth Science Environmental Science Geology

Students may also complete the third science credit required for graduation by electing any Career and Technical Education (CTE) course that is at least one credit. Please see pages 52-63 for CTE courses.

Social Studies

See pages 112-118 for course descriptions

Four (4.0) credits are required to meet the MMC for graduation, including the following required courses:

Economics
Government and Politics: United States ***or*** AP United States Government and Politics
United States History ***or*** AP U.S. History
World History

Students must earn an additional half (0.5) credit to fulfill the graduation requirement

World Languages

See pages 120-126 for course descriptions

Two (2.0) credits are required to meet the MMC for graduation. Students may earn their two (2.0) required credits in one of the following ways:

- 2.0 credits in a World Language course ***OR***
- 1.0 credit in a World Language course and 1.0 credit for any course that meets the requirements for Visual, Performing and Applied Arts (VPAA) *or* any CTE course ***OR***
- Attended a dual language or immersion program AND successfully passed the novice level exam for the language ***OR***
- Successfully passes the novice level exam for any language

KPS students who passed Spanish I or Chinese I in 8th grade will receive one (1.0) World Language credit. Students who took Spanish in a non-KPS middle school must take and pass the test out exam for credit to be awarded.

Visual, Performing and Applied Arts

One (1.0) credit is required to meet the MMC for graduation. In addition to ***all*** Art (see pages 41-44) and Education for the Arts (see pages 64-70) courses, the following courses can meet this requirement:

Business Education	English	Family and Consumer Science	Music	Social Studies
Basic Marketing Business Information Systems B	Debate Drama I - Acting for the Stage Drama II - Acting for the Stage Forensics Journalism Literature through Films Public Speaking Slam Poetry: Writing and Performance Yearbook	Parenting	Concert Choir Advanced Musical Theatre Advanced Treble Chorus American Popular Music Concert Band Hawthorne Singers Master Singers Mixed Chorus Orchestra Symphonic Band Treble Chorus	African American Studies

Semesters

The Kalamazoo Public High Schools operate on a semester schedule. We believe the semester schedule will help students meet the graduation requirements of the Michigan Merit Curriculum and provide flexibility in meeting students needs. With the semester schedule, the year is divided into two, 18-week sessions. Grades are issued at the end of each semester.

Sample School Year on the Semester Schedule	
Fall Semester: August - January (18 weeks)	Spring Semester: January - June (18 weeks)

One-half (0.5) credit will be awarded for each semester (18-week) course that is passed successfully. Students shall be scheduled into seven courses per semester. Students can earn 3.5 credits per semester for two semesters per year resulting in (7.0) credits total per year. A total of 28 credits can be earned by the time a student graduates. Students need a minimum of 24 credits to graduate.

Sample Four-Year Plan on the Semester Schedule			
		Fall Semester (18 weeks) August - January	**Spring Semester (18 weeks) January - June**
9th Grade earn 7.0 credits	1st 2nd 3rd 4th 5th 6th 7th	Algebra I 9 A English 9 A World Language I A Environmental Science World History A Elective Seminar	Algebra I 9 B English 9 B World Language I B Elective World History B Physical Education Seminar
10th Grade earn 7.0 credits 14 credits cumulative	1st 2nd 3rd 4th 5th 6th 7th	Geometry A English 10 A World Language II A Biology:Cells, Evolution, Biotech US History A Elective Seminar	Geometry B English 10 B World Language II B Biology:DNA, Energy, Ecology US History B Elective Seminar
11th Grade 21 credits cumulative	1st 2nd 3rd 4th 5th 6th 7th	Algebra II A English 11 A Government & Politics A Science or Science Related A Economics Elective Seminar	Algebra II B English 11 B Government & Politics B Science or Science Related B Personal Finance Elective Seminar
12th Grade 	1st 2nd 3rd 4th 5th 6th 7th	Final year math experience College English A Social Studies Elective Elective Elective Elective Seminar	College English B Elective Elective Elective Elective Elective Seminar

Making Up Credits for Failed Courses

Students are required to pass all core academic courses required for graduation.
Students who fail a core course required for graduation must retake the failed section. Based on availability, students will be rescheduled into the section that was failed. Summer School and other credit recovery options may also be available.

Addressing Failed Courses - Making Up Credits					
1st Semester		2nd Semester		1st Semester (New Year)	
Geometry A	F	~~Geometry B~~ Geometry A	C	~~Debate~~ Geometry B	C-

This example shows a student who failed the 'A' section of Geometry (a required course) during the first semester. Geometry A must be rescheduled before the student can enter the 'B' section. The schedule changes above show that Debate (an elective course) had to be dropped during the 1st semester of the new school year so the student could take the 'B' section of the required Geometry course.

Credit Recovery Options

Kalamazoo Public Schools is committed to supporting all students in achieving academic success. For students who have not met the requirements to earn credit in specific courses, credit recovery options are available to help them get back on track for graduation. These options include:

- **Online Credit Recovery Programs**: Self-paced, online courses designed to help students complete missed or failed courses.
- **Summer School**: A chance to retake courses during the summer to earn credit in a focused, condensed format.

Students are encouraged to speak with their school counselor to explore the most appropriate recovery options based on individual needs. These credit recovery options provide a flexible and supportive way for students to stay on track toward graduation.

Sample Semester Schedules

Freshman

Period	Semester 1 FALL: August - January	Credits	Semester 2 SPRING: January - June	Credits
1	Algebra I A (.5)	0.5	Algebra I B (.5)	0.5
2	English 9 A or Honors 9 A	0.5	English 9 B or Honors English 9 B	0.5
3	World Language I A	0.5	World Language I B	0.5
4	Environmental Science	0.5	Elective	0.5
	Lunch		Lunch	
5	World History A	0.5	World History B	0.5
6	Elective	0.5	Physical Education or Health	0.5
7	Seminar	0.5	Seminar	0.5
Semester 1 Total Credits		3.5	Semester 2 Total Credits	7

- Math
- Science
- English
- Social Studies
- Physical Education
- World Language I
- Electives

SCHEDULING NOTE:
KAMSC: Freshman students who attend KAMSC will attend in the A.M. (8:00-10:17) and then return to their home school for their 4th, 5th, 6th, and 7th periods.

NOTES:

Sample Semester Schedules

Sophomore

Period	Semester 1 FALL: August - January	Credits	Semester 2 SPRING: January - June	Credits
1	Geometry A	0.5	Geometry B	0.5
2	English 10 A or Honors 10 A	0.5	English 10 B or Honors English 10 B	0.5
3	World Language II A	0.5	World Language II B	0.5
4	Biology: Cells, Evolution, and Biotechnology	0.5	Biology: DNA, Energy Pathways, and Ecology	0.5
	Lunch		Lunch	
5	US History A or AP US History A	0.5	US History B or AP US History B	0.5
6	Elective	0.5	Physical Education or Health	0.5
7	Seminar	0.5	Seminar	0.5
Semester 1 Total Credits		10.5	Semester 2 Total Credits	14

- Math
- English
- Social Studies
- Health
- World Language II
- Electives

SCHEDULING NOTE:
KAMSC: Sophomore students who attend KAMSC will attend in the A.M. (8:00-10:17) and then return to their home school for their 4th, 5th, 6th, and 7th periods.

AP (Advanced Placement) courses meet for a full year (2 semesters) for 1.0 credit value (0.5 per semester).

NOTES:

Sample Semester Schedules

Junior

Period	Semester 1 FALL: August - January	Credits	Semester 2 SPRING: January - June	Credits
1	Algebra II A	0.5	Algebra II B	0.5
2	English 11 A or Honors English 11 A or AP English Literature	0.5	English 11 B or Honors English 11 B or AP English Literature	0.5
3	Government & Politics A	0.5	Government & Politics B	0.5
4	Science Elective	0.5	Science Elective	0.5
	Lunch		Lunch	
5	Elective	0.5	Personal Finance	0.5
6	Elective	0.5	Elective	0.5
7	Seminar	0.5	Seminar	0.5
Semester 1 Total Credits		17.5	Semester 2 Total Credits	21

- Math
- Science
- English
- Social Studies
- Economics
- Electives

SCHEDULING NOTE
KAMSC students: Juniors attend their regular schedule at their home school in the A.M. (3 periods) and KAMSC in the P.M. (11:30 - 2:00).

AP (Advanced Placement) courses meet for a full year (2 semesters) for 1.0 credit value (0.5 per semester).

NOTES:

Sample Semester Schedules

Senior

Period	Semester 1 FALL: August - January	Credits	Semester 2 SPRING: January - June	Credits
1	College English or English 12 A or Honors English 12 A	0.5	College English or English 12 B or Honors English 12 B	0.5
2	Social Studies Elective	0.5	Fine Arts or Other Elective B	0.5
3	Final year math experience	0.5	Economics	0.5
4	Fine Arts or Other Elective A	0.5	Elective	0.5
	Lunch		Lunch	
5	Elective	0.5	Elective	0.5
6	Elective	0.5	Elective	0.5
7	Seminar	0.5	Seminar	0.5
Total Semester 1 Credits		24.5	Total Semester 2 Credits	28

- Math
- English
- Science
- Fine Arts
- Social Studies Elective
- Electives

SCHEDULING NOTES
KAMSC students: Seniors attend their regular schedule at their home school in the A.M. (3 periods) and KAMSC in the P.M. (11:30 - 2:00).

AP (Advanced Placement) courses meet for a full year (2 semesters) for 1.0 credit value (0.5 per semester).

Some CTE and EFA courses are double-periods. This sample schedule allows for students to attend CTE and EFA double-period classes in the morning. This schedule is also flexible enough to allow for dual enrollment or work-experience programs.

NOTES:

Sample Semester Schedules
Kalamazoo Area Math and Science Center

FRESHMAN AND SOPHOMORE

KAMSC Class Times		@ KAMSC 8:00 - 10:27			10:27-10:50	10:50 - 11:35	11:40-12:30	12:35-1:25	1:30-2:20
Period		1st Period	2nd Period	3rd Period	4th Period		5th Period	6th Period	7th Period
KPS Class Times		7:30 - 8:20	8:25 - 9:15	9:20 - 10:10	10:45-11:35		11:40 - 12:30	12:35 - 1:25	1:30 - 2:20
1	FALL August - January	Math (0.5)	Science (0.5)	Elective (0.5)	Travel Lunch Seminar (0.5)		World Language A (0.5)	English A or Honors English A (0.5)	Social Studies A (0.5)
2	SPRING January - June	Math (0.5)	Science (0.5)	Elective (0.5)			World Language B (0.5)	English B or Honors English B (0.5)	Social Studies B (0.5)

7.0 credits per year
Additional Requirements: physical education, health, fine arts, and College and Career Readiness

JUNIOR AND SENIOR

KAMSC Class Times		8:00 - 10:27			11:10 - 11:30 Lunch & Travel	@ KAMSC 11:30-2:00		
Period		1st Period	2nd Period	3rd Period	4th Period	5th Period	6th Period	7th Period
KPS Class Times		7:30 - 8:20	8:25 - 9:15	9:20 - 10:10	10:45-11:35	11:40 - 12:30	12:35 - 1:25	1:30 - 2:20
1	FALL August - January	English A or Honors English A or AP English or Elective (0.5)	Social Studies A (0.5)	Elective (0.5)	Travel Lunch Seminar (0.5)	Math (0.5)	Science (0.5)	Elective (0.5)
2	SPRING January - June	English B or Honors English B or AP English or Elective (0.5)	Social Studies B (0.5)	Elective (0.5)		Math (0.5)	Science (0.5)	Elective (0.5)

7.0 credits per year
KAMSC seniors have an opportunity (though limited) for extended day classes (6th Period: 2:05 – 3:05 p.m.) and could earn an additional one (1.0) credit during their senior year (8.5 credits)
Geology (0.5) (September – January)
Astronomy (0.5) (February – June)

Career Launch Kalamazoo (CLK)

Pre-Apprenticeship and Apprenticeship Program

Apprenticeships are flexible training programs that cultivate well-educated, highly skilled workers able to meet the demands of a competitive global economy. Youth apprenticeships are open to high school juniors, seniors, and graduating seniors, giving them the opportunity to earn while they learn through paid on-the-job training under the direction of an industry mentor. Youth apprentices also take college classes that directly relate to their apprenticeship. The demands of the program are significant, but so are the rewards.
All KPS 11th and 12th grade students who are 16-18 years old are eligible for CLK! All education, training, and uniform costs will be paid. You can earn while you learn with wages starting at $15 per hour. CLK is open to CTE and non-CTE students.

Pre-apprenticeships and apprenticeships are available in Healthcare, Information Technology (IT), and Manufacturing. Students will work several hours a week on a flexible schedule with competitive wages. The training component of the pre-apprenticeship and the apprenticeship will be provided at local companies by the employer. Metro cards will be available to students who have transportation needs.

Earn College Credit and Industry Based Certification

Students will earn high in-demand and industry-recognized credentials in critical career areas while still in high school. You can leverage The Kalamazoo Promise by continuing to build skills and credentials through continued education. Training options are available to transfer to a 4-year university, depending on the program. The educational component of the pre-apprenticeship and apprenticeship will be at KVCC and/or other local educational institutions.

Your high school schedule may have to be adjusted to accommodate the college courses you will be taking at KVCC or other educational training facilities. Youth apprentices usually take high school classes in the morning and their KVCC classes in the afternoons or evenings. Your high school counselor will work with you to ensure you meet all of your academic goals and that you are on track to graduate with your high school diploma.

Fast-Track Your Secondary Education

Students entering into an apprenticeship program must make a 2, 3, or 4-year commitment through credential completion.

Students who are interested in CLK should contact their school counselor to review their Educational Development Plan (EDP), career goals, and to plan their schedule. Student schedules will include dual enrollment courses. Student selection for CLK is made every year in the spring for summer and fall placement with employers. Placement is not guaranteed.

All students accepted into the CLK program must attend a paid 2-day Aspiring Apprenticeship Academy in the summer to receive mentoring, life skills, and workplace employability training geared towards preparing students for a successful transition into postsecondary education and the workplace.

KPS Career Launch KALAMAZOO

Graduation Checklist

Student Name: ID #: Course Pathway:

Educational Plans:

- ☐ Four Year College/University
- ☐ Community College
- ☐ Technical School
- ☐ Tech Prep

Subject	# of Credits	Check as Completed	
College/ Career Readiness	0.5	☐ College and Career Readiness	
English *Refer to page 9 for requirements and options*	4.0	☐ English 9 or Honors English 9 ☐ English 10 or Honors English 10 ☐ English 11 or Honors English 11 or AP Language and Composition	☐ English 12 (additional options below): ☐ AP English: Language and Composition ☐ AP English: Literature and Composition ☐ Advanced Journalism ☐ College English
Health	0.5	☐ Health: A Wellness Approach ☐ Health Lifestyles Through Aquatics	☐ Healthy Lifestyles Through Physical Activity
Math *Refer to page 9 for requirements and options*	4.0	☐ Algebra I ☐ Geometry	☐ Algebra II ☐ _____ *Final year math experience (see page 9 for options)*
Personal Finance	0.5	☐ Personal Financial Literacy	
Physical Education	0.5	☐ _____ OR	☐ _____ *Other approved courses see page 9 for options*
Science *Refer to page 9 for requirements and options*	3.0	☐ Physical Science Course ☐ Life Science Course ☐ Earth Science Course ☐ Additional Science	☐ _____ *3rd Science or Science-related credit* *See page 10 for options*
Social Studies	4.0	☐ World History or AP World History ☐ U.S. History or AP U.S. History ☐ Government or AP U.S. Government	☐ Economics ☐ _____ *Social Studies elective (0.5) See pages 115-116*
Visual, Performing, Applied Arts	1.0	☐ _____ Course/s Refer to page 10 for options	ADDITIONAL REQUIREMENTS Completion of all components of the MME is required for graduation: • College Board SAT w/Essay • M-STEP Science & Social Studies
World Languages Refer to page for details	2.0	☐ _____ Chinese, French, Latin, Spanish ☐ _____ ***World Language course (or substitute)* *Refer to page 10 for options*	
Electives	4.0	_____ _____ _____	_____ _____ _____

[Click here for a fillable version]

The Kalamazoo Promise

INTENT
To provide each Kalamazoo Public Schools graduate with the opportunity to attend post-secondary education with up to a 100% tuition scholarship.

ELIGIBILITY
All students who graduate from the Kalamazoo Public Schools, reside in the district, and have been a KPS student since at least the ninth grade are eligible. Enrollment and residency must be continuous.

QUALIFICATIONS
The student must…

1) graduate from a Kalamazoo Public Schools high school (Kalamazoo Central, Loy Norrix, Phoenix High School, or the Kalamazoo Innovative Learning Program).
2) Be admitted to, and enrolled at, any participating public or private State of Michigan college, university, or community college, and
    a) Make regular progress toward a degree or certification,
    b) Maintain a 2.0 grade point average (GPA) at the post-secondary institution. If the GPA drops below a 2.0, a student may be reinstated if he/she is able to bring the GPA back to at least a 2.0 and
    c) complete a minimum of 12 credit hours.

TERMS OF SCHOLARSHIP
This scholarship program provides up to four (4) years of tuition and mandatory fees for post-secondary education (per the scale below). The student must be a full-time student, taking a minimum of 12 credit hours per semester (KVCC students may attend on a part-time basis). Individual summer school classes will be covered as long as the class applies toward the degree or certification program in which the student is enrolled and is taken at their designated school of choice. The post-secondary education must be completed within ten years of the date of high school graduation. Exceptions to this requirement are granted for military service.

ELIGIBLE POST-SECONDARY INSTITUTIONS
Any public or private **State of Michigan** college, university, or community college.

EXTENT OF BENEFITS
The tuition benefit will be awarded on the basis of continuous length of attendance and residency in the Kalamazoo Public School system.

Additional information is available at www.kalamazoopromise.com

Length of Attendance Benefit

K-12	100%
1-12	95%
2-12	95%
3-12	95%
4-12	90%
5-12	85%
6-12	80%
7-12	75%
8-12	70%
9-12	65%
10-12	none
11-12	none
12-12	none

College Preparation

Educational Development Plan (EDP)

One component of career planning is the Educational Development Plan (EDP). EDP's are planning tools used by students to put into writing their education and career goals, including strategies and high school courses, to help them reach their goals. EDPs are "living" documents that are updated as interests and abilities become more obvious and focused. Parents and students should review EDPs on a regular basis. That is easy to do on the Xello career and college exploration platform. Students can access Xello through their Clever account.

Your Future, Your Path - Use these helpful resources to plan your college and career goals.

Jumpstart Your College Planning

It's amazing, but decisions you make as early as 8th grade have a huge effect on your college career. They can affect how soon you'll go to college, what type of college you'll attend, and even whether you will go to college at all.

Get Involved

Getting ready for college isn't all work. Find something you really enjoy doing, and then dive into it. Maybe you're drawn to sports, student council, music, art, etc. You'll develop skills and show colleges your ability to make a commitment and stick with it.

Take Challenging Courses

Colleges do look at your grades, but they also pay attention to how difficult your courses are. They want to see that you've challenged yourself.

Read

Read at least 30 minutes every day, beyond study and homework. People who read more know more! And when you take the ACT and SAT tests, the time you put into reading will really pay off.

Prepare for College Entrance Exams

Most students take the ACT or SAT in their junior year. Be sure you're taking the solid math and other courses that will get you ready. Talk to your counselor to make sure you're on track.

Get the College-Bound Facts

How can you find out about college admissions, work, and campus life? Ask someone who's done it, such as a family member or college students who went to your high school. Get to know your counselors. Ask a career planner at a local college or a teacher. Do Web research.

Involve Your Family and Find a Mentor

When parents or guardians haven't been to college themselves, they may think they can't help you. That's not true. They can talk to counselors and help you stay on the right path. Look for adults who can lend their enthusiasm and help you succeed at your goals.

Xello College and Career Planning Exploration Tool: All secondary KPS students have access to Xello through Clever for college and career planning. Students can create and update their educational development plan (EDP), a living document of their career goals and related action plans aligned with their changing interests and abilities. Using the College Planning tool, students can research schools they are interested in, build a plan, and then track the action items, deadlines, application process, and admission decision through the Common App integration.

collegeboard.com - College Board provides information on College Board tests and planning, finding, applying, and paying for college. Students can also access BigFuture, a career and college exploration program to help them explore post-secondary options and plan for college.

commonblackcollegeapp.com - Common black Common App allows students to complete one college application that is sent to 65 historical black colleges and universities. KPS students can also access this information through Xello students can contact their counselor to receive a code that covers the application fee.

thecollegeexpo.org - National College Resources Foundation serves underserved, underrepresented, at risk, low resource, homeless and Foster students who are interested in attending college. Students can access information on the steps to plan for college, internships, scholarships, careers, financial aid, college tours, and other helpful resources.

Michigan.gov - Planning for college guide book includes information on planning, applying for college, including Financial Resources to assist with affording College in Michigan.

Michigan.gov/mistudentaid - Michigan student aid provides resources on how to help pay for college including scholarships, fellowships, and FAFSA. students can also learn about the Michigan future education program that provides stipend support for aspiring teachers to become Educators in Michigan. Students interested in becoming a teacher should contact their counselor about Teach Kalamazoo.

micollegeaccess.org - Michigan College Access Network (MCAN) aims to help students access and attain College certificates and degrees so they can set and achieve a lifetime of their own goals, both economically and intellectually. MCAN provides students with a brighter long-term future through college access and post-secondary certificate and degree attainment.

mcca.org - Michigan Community College Association(MCCA) focuses on increasing degree completion, transfer, and Student Success. Students can access resources on academic support, workforce development, basic needs, and financial wellness.

macrao.org - Michigan Association of Collegiate Registrars and Admissions Officers provides links to Michigan college home pages, online admission applications, and a calendar of high school college nights.

College Entrance Exams

Extracurricular Activities
. . . . *Life Outside the Classroom*

Colleges Care!
The good news is that colleges pay attention to your life inside and outside the classroom. Yes, your academics probably come first, but your activities reveal a great deal about you, such as:

- how you've made a meaningful contribution to something
- what your non-academic interests are
- whether you can maintain a long-term commitment
- whether you can manage your time and priorities
- what diversity you bring to the student body

Maintaining a Balance
Keep in mind, colleges are not interested in seeing you "do it all." Colleges are looking for a commitment to, and a passion for, an activity outside of the academic setting - they are looking for depth rather than breadth. Colleges don't have a checklist of requirements when it comes to extracurricular activities - they want to see your individuality - and your consistent commitment.

Getting Involved
Many school, community, and religious organizations give you a chance to explore your interests and talents. If you haven't felt drawn to something yet, there is no shortage of opportunities for you to explore. for example:

School Activities
Find something you like to do and stick with it. If you are interested (and have extra time), try to excel in more than one area. For example, write for the school paper *and* volunteer. But make sure you are giving your all to each activity, and most importantly, to your school work.

Community Service
You can gain skills and experience through volunteer work, such as tutoring elementary school kids or spending time at a local hospital. Your counselor may be able to suggest local agencies in which you can volunteer.

Work Experience
Paid or volunteer, year-round or summer, work experience can help you identify career interests and goals and apply classroom learning to the real world. It is also a great way to earn money! Consider arranging for an internship or to shadow someone at his or her job.

The ACT and SAT . . .

Admission to college is usually based upon a combination of factors which include: Grade Point Average (GPA), class rank, and National test results. The common tests taken are the SAT and/or ACT (usually taken during a student's junior or senior year).

- Most four-year colleges require the SAT and/or ACT
- Many community colleges do not require the SAT/ACT

The SAT is one component of the MME. There is no cost to 11th grade students who take the SAT as part of the MME on the scheduled day in April. All high school students may take or retake the SAT at their own expense on any of the national testing dates listed below. Your counselor can provide you with specific information, or visit the websites listed below:

ACT: www.act.org
SAT: www.collegeboard.com

There's a fee for taking the National ACT or SAT exams, and advanced registration is required. Fee waivers may be available for qualifying students. Please see the counseling office.

ACT/SAT National Test Dates • Advanced Registration is Required • Anticipated Dates for 2026-2027	
ACT	**SAT**
September 19, 2026	August 15, 2026
October 17, 2026	September 12, 2026
December 12, 2026	October 3, 2026
February 27, 2027	November 7, 2026
April 10, 2027	December 5, 2026
June 12, 2027	March 13, 2027
July 10, 2027	April 5-23, 2027
	May 1, 2027
	June 5, 2027

College Financing - The Financial Aid Process

Selecting a College/University That's Right for You

- Always visit the college campus - take a tour! Walking the campus will give you a feel for the environment, which is important (as you may very well be living there for four or more years). Bring a family member.
- Just because you may have heard of a school's "reputation" does not mean it is or is not a good fit for you.
- Investigate two or three colleges that you may know nothing about but offer good programs in your field of Interest. You may make a great discovery.
- Speak with the advisors. Learn about your program:
  - How long will it take?
  - Is the program accredited?
- Do not choose a college simply because you have friends who go there.
- Do not rule out colleges because of cost. You may be able to receive enough funds to make it affordable. You can make this determination at the end of the college selection process.
- Meet ALL of the deadlines!
  - College applications
  - ACT/SAT tests/retests
  - Financial Aid
  - Scholarships
  - Campus housing
- Apply to" reach" School (one you hope to get into) and a school you'll most likely be admitted to (safety college).
- To make a final choice, discuss with family members, school counselors, College advisors, athletic coaches, etc.

Kalamazoo Promise Students:

- Fill out the application during the fall of your senior year.
- After submission you will receive a certificate indicating the amount of scholarship for which you qualify.
- After deciding on a college, fill out the scholarship acceptance form. This form is an agreement between the student and the Promise on what each party will do to maintain the scholarship.

All Students:

- Free application for federal student aid (FAFSA) must be filled out between October 1st and should be done before March 1st. It will qualify you for scholarships, Grants, work study programs, and loans.
- The Kalamazoo Foundation offers local scholarships (more easily obtained than competing Statewide or nationally). Check it out at www.kalfound.org.
- Contact the colleges or universities of interest and speak with the financial advisors there, and contact the department (intended major) to identify other scholarships and opportunities available specifically through the program.
- Volunteer in your community: Service is a great qualifier for scholarships! Choose a means by which you can learn more about your interests. Don't dabble in this and that, but really become involved in one or two organizations.

COLLEGES WILL BE MORE IMPRESSED BY RESPECTABLE GRADES AND CHALLENGING COURSES THAN BY OUTSTANDING GRADES AND EASY ONES.

If you're playing the GPA game and taking a flight schedule that isn't challenging, it will catch up with you at the college level very quickly. One of the things admissions officers pay attention to, besides GPA, is course selection throughout high school and especially senior year. They like to see students have momentum going into their freshman year at college. If you sit back your senior year, it's hard to recapture that momentum.

Course selection can also affect admissions test scores. If you go for just a good GPA, you'll be less prepared for college and will score lower on entrance exams.

Advanced Placement (AP)

AP can change your life. Through college-level AP courses, you enter a universe of knowledge that might otherwise remain unexplored in high school. Through AP Exams, you have the opportunity to earn college credit or Advanced standing at most of the nation's colleges and universities.

Why Participate?

AP courses offer something for everyone. The only requirements are a strong curiosity about the subject you plan to study and the willingness to work hard. Here are just a few reasons to take AP courses:

Gain the Edge in College Preparation

- Get a head start on college-level work.
- Improve your writing skills and sharpen your problem-solving techniques.
- Develop the study habits necessary for tackling rigorous coursework.

Stand Out in the College Admissions Process

- Demonstrate your maturity and readiness for college.
- Show your willingness to push yourself to the limit.
- Emphasize your commitment to academic excellence.

Broaden Your Intellectual Horizons

- Explore the world from a variety of perspectives, most importantly, your own.
- Study subjects in greater depth and detail.
- Assume the responsibility of reasoning, analyzing, and understanding for yourself.

The following AP courses are available to KPS students:

- AP African-American Studies
- AP Art History
- AP Biology
- AP Calculus AB
- AP Chemistry
- AP English Language & Composition
- AP English Literature & Composition
- AP European History
- AP French Language & Culture
- AP Human Geography
- AP Latin
- AP Physics 1
- AP Pre-calculus
- AP Psychology
- AP Spanish Language & Culture
- AP Statistics
- AP Studio Art Portfolio
- AP United States History
- AP World History
- AP US Government & Politics
- AP Comparative Government & Politics
- Pre-AP World History and Geography

AP courses provide an opportunity to earn college-level credit (C) while enrolled in high school by taking the AP exam. All students enrolled in an AP course will be required to take the related AP exam in May. AP courses file guidelines as suggested by The College Board.

Due to the rigor of AP courses, students are strongly encouraged to complete a summer assignment as suggested by the AP teacher. Content from summer assignments will be included on an assessment during the first semester. A packet with detailed course information is available in the office.

Advanced placement courses are intended for students in grades 10-12.

Weighted Grades [w]

All AP courses, select Academically Talented Youth Program (ATYP) courses, and college-level KAMSC courses have been designed as weighted. Students' grades are not altered, but the point value (quality point) is increased and is reflected in a student's GPA and class rank, and appears on the student's transcript.

Weighted Grade Values			
Letter Grade	Percent	Standard	Quality Points Weighted
A	93-100	4.0	5.0
A-	90-92	3.7	4.7
B+	87-89	3.3	4.3
B	83-86	3.0	4.0
B-	80-82	2.7	3.7
C+	77-79	2.3	3.3
C	73-76	2.0	3.0
C-	70-72	1.7	2.7
D+	67-69	1.3	2.3
D	63-66	1.0	2.0
D-	60-62	0.7	1.7
F	0-59	0	0

The following KAMSC courses have **weighted grade values:**

- Advanced Calculus
- AP Physics C - Mechanics
- AP Physics C - E & M
- AP Chemistry
- AP Calculus BC
- AP Computer Science A
- AP Computer Science Principles
- AP Environmental Science
- AP Statistics
- Astronomy
- Biochemistry
- Bio-Medical Science
- Cell Biology
- Complex Variables
- Differential Equations
- Discrete Mathematics
- Geology
- Human Genetics
- KAMSC Integrated Math III/Pre-Calc
- Materials Science
- Microbiology
- Organic Chemistry
- Zoology

Test Out Exams

Testing Out

Testing out of a class can provide a student the opportunity to move into more challenging advanced classes, including college dual enrollment, at a quicker pace. Students interested in testing out should be self-directed learners capable of demonstrating an understanding of the subject area content expectations in the course for which they wish to test out.

In some instances, students may test out of either the A or B sections or the entire course. The student must score at least 76% or better on the district designated test in order to test out and receive credit. The testing out credit will appear on the transcript and will count towards the total number of credits needed for graduation. However, the score does not translate into a grade, and is not part of the GPA calculation for any purpose.

When considering the test out option, students need to consider the following: 1) the effect on their GPA calculation (this may mean NOT including a potentially high grade in the GPA; 2) NCAA requirements; and3) other college admission considerations.

See your counselor to inquire about your test out options, test schedule, and/or to register for an exam.

National Collegiate Athletic Association (NCAA)

If you are planning to enroll in college as a freshman and wish to participate in Division I or Division II athletics, you must be certified by the NCAA Initial Eligibility Center. The Eligibility Center ensures consistent application of NCAA initial-eligibility requirements for all prospective student-athletes to all member institutions. As early as your freshman year in high school, it is important that you visit the NCAA website (www.ncaa.org) for detailed information to register.

Your Responsibility as a Prospective Student Athlete:

It is your responsibility to make sure the Eligibility Center has the documents it needs to certify you. These documents are:

- Completed and signed Student Release Form and registration form
- Completed transcript mailed directly from every high school you have attended
- ACT/and or SAT scores
- Foreign Student Application (if applicable)

To be certified by the Eligibility Center, you must:

Graduate from High School

You should apply for certification if you are sure you wish to participate in athletics as a freshman in the college to which you will be admitted. The Eligibility Center will issue a preliminary certification report when you have had all your materials submitted. After you graduate, if your eligibility information is requested by a member institution, the Eligibility Center will review your final certification decision according to standards.

ACT and SAT Testing

You must meet all academic requirements and earn an SAT or ACT score matching your core-course GPA on a sliding scale to be eligible to compete. The sliding scale will balance your test score with your GPA. If you have a low test score, you will need a higher GPA. If you have a low GPA, you will need a higher test score. Visit the NCAA website and work with your school counselor to determine your eligibility requirements.

Have a GPA of at least 2.3

Earn a Grade Point Average (GPA) on a 4.0 scale of at least 2.3 in a core curriculum of at least 16 (or 14 for Division II) academic courses, which were successfully completed during grades 9 through 12. Only courses that satisfy the NCAA definition of a core course can be used to calculate your NCAA GPA. No special values are allowed for “=” or “-” grades.

The standards maintain 16 core courses passed, **but 10 of those 16 courses must be completed by the START of the student athlete’s senior year of high school.**

Career Pathways

NEW! Career Pathway Maps and Labor Market Navigator for Kalamazoo Public Schools

(See Index to access full maps and other information)

Students and families, in an effort to help students pave and design their path to their Promise, and to develop meaningful and relevant course schedules from grades 6 to grade 12 to intentionally prepare academically, technically, and professionally, we created Career Pathway Maps and a Labor Market Navigator for them to explore in all of the 14 National Career Clusters pathway areas. Students can view main clusters and subclusters related to pathways of interest. These career planning and exploration resources are designed to help guide students into progressive learning and career opportunities directly related and streamlined to their education, career, and life goals as they update their goals and plans for success in their Educational Development Plan (EDP) in Xello.

The Career Pathway Maps connect paths to recommended middle school and high school core, specials, and elective KPS courses, Early Middle College (EMC), Career and Technical Education (CTE), Education for the Arts (EFA), and Dual Enrollment (DE), and apprenticeship offerings in our district by pathway. The bulletin of courses for both middle school and high school are also linked to the Career Pathway Maps so students and families can explore other KPS course and program offerings.

The Career Pathway Maps also identify the careers available within the local workforce region, provide the median wage for that occupation, and provide the education level required to obtain the career. Students can explore work-based learning opportunities, identify resources, and plan coursework to support a preferred career path. Students can better prepare academically for college, career, internships, and workforce training aspirations while building relevant skills and competencies in any given career pathway.

KPS students also have access to a Labor Market Navigator created specifically for the Kalamazoo Public Schools to research local, state, and national labor market information to understand workforce trends in helping them achieve employment success. Students can access basic statistics pertaining to median wage, annual job openings, growth, and job zones, so they can gain awareness of the top career clusters and pathways that offer high-value career destinations as they understand the importance of how academics, training, and preparation can position them to maximize and realize their Promise.

College and Career Exploration Resource links to top college and career readiness websites to help students make informed education, career, work, and life decisions for their promising future are also accessible in the Career Pathway Maps.

Advanced Manufacturing
Agriculture
Arts, Entertainment, & Design
Construction
Digital Technology
Education
Energy & Natural Resources
Financial Services
Health Care & Human Services
Hospitality, Events, & Tourism
Management & Entrepreneurship
Marketing & Sales
Public Service & Safety
Supply Chain & Transportation

Alphabetical Listing of Courses by Department

Actual course offerings described in this Bulletin of Courses are contingent upon sufficient student enrollment, budget, facility, and faculty.

Department	Course	Credit	Page
Art	Advanced Placement Studio Art Portfolio	0.5	39
Art	Art Foundations	0.5	37
Art	Ceramics Studio	0.5	38
Art	Drawing Studio	0.5	37
Art	Eco Art	0.5	38
Art	Fiber Arts	0.5	37
Art	Graphic Design	0.5	38
Art	Illustration	0.5	38
Art	Jewelry Design	0.5	38
Art	Mixed Media	0.5	37
Art	Painting Studio	0.5	38
Art	Photography	0.5	37
Business Education	Accounting A	0.5	42
Business Education	Accounting B	0.5	42
Business Education	Advanced Accounting (C)	0.5	42
Business Education	Advanced Business Information Systems	0.5	44
Business Education	Advanced Marketing (C)	0.5	45
Business Education	Basic Marketing A	0.5	45
Business Education	Basic Marketing B	0.5	45
Business Education	Business Academy	1.0	43
Business Education	Business Career & Professional Development Capstone Exper.	0.5	43
Business Education	Business Finance	0.5	43
Business Education	Business Information Systems A	0.5	44
Business Education	Business Information Systems B	0.5	44
Business Education	Business Law	0.5	44
Business Education	International Business	0.5	44
Business Education	Marketing, Entrepreneurship, and Career Planning	0.5	45
Business Education	School Store: Maroon Shop	0.5	46
Business Education	Sports and Entertainment Management	0.5	46
Business Education	Young Entrepreneurs of the Future	0.5	46
CTE	Automotive Technology	2.0	57
CTE	Aviation Technology	2.0	57
CTE	Computer Networking	2.0	55
CTE	Computer Programming	2.0	55
CTE	Conservation Biology	2.0	51
CTE	Construction Trades	2.0	52
CTE	Criminal Justice & Public Safety	2.0	55
CTE	Culinary Arts	2.0	53
CTE	Cybersecurity	2.0	55
CTE	Dental Assisting	2.5	53
CTE	Design	2.0	53
CTE	Educator Academy	2.0	55
CTE	Electrical Technology	2.0	52
CTE	Emergency Medical Technician (EMT)	3.0-3.5	53
CTE	Heating, Ventilation, Air Conditioning, & Refrigeration	2.0	52
CTE	Heavy Equipment Maintenance	2.0	57
CTE	Horticulture	2.0	51
CTE	Machine Tool	2.0	56
CTE	Mechatronics: Robotics and Automation	2.0	56
CTE	Medical Laboratory Sciences	2.0	54
CTE	Patient Care Technician	2.0	54
CTE	Pharmacy Technician	2.0	54
CTE	Plumbing	2.0	52
CTE	Rehabilitation Therapy	2.0	59
CTE	Skills for Success		51
CTE	Supply Chain	2.0	56
CTE	Veterinary Science	2.0	51

Alphabetical Listing of Courses by Department

Actual course offerings (elective courses) described in this Bulletin of Courses are contingent upon sufficient student enrollment, budget, facility, and faculty.

Department	Course	Credit	Page
CTE	Welding	2.0	56
EFA	3D Computer Animation	2.0	62
EFA	Advanced Musical Theatre	2.0	64
EFA	Advanced Video Arts Studio	2.0	61
EFA	Advanced Visual Arts Studio	2.0	65
EFA	Animation Design	2.0	63
EFA	Beginning Dance Studio	1.0	59
EFA	Comics, Manga, and Graphic Novel Arts: Hybrid	0.5	60
EFA	Creative Game Design	2.0	61
EFA	Creative Writing Online: Web-Based	0.5	60
EFA	Digital Design & Media Production	2.0	63
EFA	Digital Photo Art (Hybrid: Web-Based and In-Person)	0.5	62
EFA	Digital Studio Art (Hybrid: Web-Based and In-Person)	0.5	61
EFA	Film and Video Arts	2.0	61
EFA	Hip Hop 180: Loy Norrix Only	1.0	64
EFA	Improv and Scriptwriting	2.0	64
EFA	Intermediate Dance Studio	1.0	59
EFA	KVCC Media Arts	2.0	63
EFA	StoryLab: The Creator's Newsroom	2.0	62
EFA	Visual Arts Exploration	2.0	65
EFA	World Dance	1.0	59
English	Advanced Drama I	0.5	75
English	Advanced Drama II	0.5	76
English	Advanced Improvisation	0.5	76
English	Advanced Journalism	0.5	74
English	Advanced Placement English: Language and Composition	1.0	77
English	Advanced Placement English: Literature and Composition	1.0	77
English	African-American Literature	0.5	74
English	College English A	0.5	73
English	College English B	0.5	73
English	Creative Writing	0.5	74
English	Debate	0.5	75
English	Drama I - Acting for the Stage	0.5	75
English	Drama II - Acting for the Stage	0.5	75
English	English 9 A	0.5	70
English	English 9 B	0.5	70
English	English 10 A	0.5	71
English	English 10 B	0.5	71
English	English 11 A	0.5	72
English	English 11 B	0.5	72
English	English 12 A	0.5	73
English	English 12 B	0.5	73
English	Forensics	0.5	76
English	Honors English 9 A	0.5	70
English	Honors English 9 B	0.5	70
English	Honors English 10 A	0.5	71
English	Honors English 10 B	0.5	71
English	Honors English 11 A	0.5	72
English	Honors English 11 B	0.5	72
English	Journalism	0.5	74
English	Literacy Across the Content Areas	1.0	69
English	Literacy Essentials in the Secondary Classroom	0.5	69
English	Literature Through Films	0.5	74
English	Novels of Choice	0.5	74
English	Public Speaking	0.5	76
English	Slam Poetry: Writing and Performance	0.5	76
English	Strategic Reading	0.5	69
English	Yearbook	1.0	75
English Language Development	ELD 1: Entering A	0.5	78

Alphabetical Listing of Courses by Department

Actual course offerings (elective courses) described in this Bulletin of Courses are contingent upon sufficient student enrollment, budget, facility, and faculty.

Department	Course	Credit	Page
English Language Development	ELD 2: Emerging A	0.5	78
English Language Development	ELD 2: Emerging B	0.5	78
English Language Development	ELD 3: Developing A	0.5	79
English Language Development	ELD 3: Developing B	0.5	79
English Language Development	ELD 4: Expanding A	0.5	79
English Language Development	ELD 4: Expanding B	0.5	79
ELD - Integrated	ELD Literacy A	0.5	81
ELD - Integrated	ELD Literacy B	0.5	81
ELD - Integrated	ELD Numeracy A (Algebra IA)	0.5	81
ELD - Integrated	ELD Numeracy B (Algebra IB)	0.5	81
ELD - Integrated	ELD Science A (Earth Science A)	0.5	81
ELD - Integrated	ELD Science B (Earth Science B)	0.5	82
ELD - Integrated	ELD Social Studies - United States History A	0.5	82
ELD - Integrated	ELD Social Studies - United States History B	0.5	82
ELD - Integrated	ELD Social Studies - World History A	0.5	82
ELD - Integrated	ELD Social Studies - World History B	0.5	82
Family and Consumer Science	Consumer Education	0.5	83
Family and Consumer Science	Essential Living Skills A	0.5	83
Family and Consumer Science	Essential Living Skills B	0.5	83
Family and Consumer Science	Family, Career, & Community Leaders of America Exploration A	0.5	84
Family and Consumer Science	Family, Career, & Community Leaders of America Exploration B	0.5	84
Family and Consumer Science	Food and Nutrition	0.5	84
Family and Consumer Science	Parenting A	0.5	84
Family and Consumer Science	Parenting B	0.5	84
Health	Advanced Health	0.5	85
Health	Health: A Wellness Approach	0.5	85
Leadership	Future Michigan Educator Course 3	0.5	86
Leadership	Link Crew Leadership	0.5	86
Mathematics	Advanced Placement Calculus AB	1.0	93
Mathematics	Advanced Placement Precalculus AB	1.0	93
Mathematics	Advanced Placement Statistics	1.0	93
Mathematics	Algebra IA	0.5	89
Mathematics	Algebra IB	0.5	89
Mathematics	Algebra I Support	0.5-1.0	88
Mathematics	Algebra II A	0.5	90
Mathematics	Algebra II B	0.5	90
Mathematics	Algebra II Part I	0.5	90
Mathematics	Algebra II Part II	0.5	90
Mathematics	Algebra II Part III	0.5	91
Mathematics	Discrete Mathematics	0.5	91
Mathematics	Geometry A	0.5	89
Mathematics	Geometry B	0.5	89
Mathematics	Math Analysis	0.5	91
Mathematics	Mathematical Modeling	0.5	91
Mathematics	Personal Financial Literacy	0.5	88
Mathematics	Pre-Algebra	0.5-1.0	88
Mathematics	Precalculus A	0.5	91
Mathematics	Precalculus B	0.5	92
Mathematics	Statistics and Probability	0.5	92
Mathematics	Strategic Mathematics	0.5	88
Music	Advanced Placement Music Theory	1.0	98
Music	Advanced Treble Chorale	1.0	96
Music	American Popular Music	0.5	97
Music	Chamber Orchestra	1.0	94

Music	Concert Band	1.0	94
Music	Concert Choir	0.5	96

Alphabetical Listing of Courses by Department

Actual course offerings (elective courses) described in this Bulletin of Courses are contingent upon sufficient student enrollment, budget, facility, and faculty.

Department	Course	Credit	Page
Music	Hawthorne Singers	1.0	96
Music	High School Beginning Band	1.0	95
Music	Master Singers	1.0	97
Music	Mixed Chorus	0.5	97
Music	Orchestra	1.0	95
Music	String Orchestra	1.0	95
Music	Symphonic Band	1.0	95
Music	Treble Chorus	0.5	97
Physical Education	Advanced Conditioning	0.5	101
Physical Education	Aquatics II	0.5	100
Physical Education	Athletic Weightlifting and Training	0.5	101
Physical Education	Conditioning	0.5	100
Physical Education	Healthy Lifestyles Through Aquatics	0.5	100
Physical Education	Healthy Lifestyles Through Physical Activity	0.5	100
Physical Education	Lifetime Sport & Physical Activity	0.5	100
Physical Education	Recreational Team Sports	0.5	100
Science	Advanced Placement Biology	1.0	106
Science	Advanced Placement Chemistry	1.0	106
Science	Advanced Placement Physics I	1.0	106
Science	Astronomy	0.5	103
Science	Biology: Cells, Evolution, and Biotechnology	0.5	103
Science	Biology: DNA, Energy Pathways, and Ecology	0.5	103
Science	Chemistry: Foundations	0.5	103
Science	Earth Science A	0.5	104
Science	Earth Science B	0.5	104
Science	Environmental Science	0.5	104
Science	Forensic Science A	0.5	104
Science	Forensic Science B	0.5	104
Science	Geology A	0.5	104
Science	Geology B	0.5	104
Science	Honors Chemistry: Analytical	0.5	103
Science	Honors Chemistry: Organic	0.5	103
Science	Human Anatomy and Physiology A	0.5	105
Science	Human Anatomy and Physiology B	0.5	105
Science	Physics A	0.5	105
Science	Physics B	0.5	105
Social Studies	Advanced Placement African American Studies	1.0	112
Social Studies	Advanced Placement Comparative Government	1.0	112
Social Studies	Advanced Placement European History	1.0	112
Social Studies	Advanced Placement Human Geography	1.0	112
Social Studies	Advanced Placement Psychology	1.0	113
Social Studies	Advanced Placement United States Government & Politics	1.0	113
Social Studies	Advanced Placement United States History	1.0	113
Social Studies	Advanced Placement World History	1.0	113
Social Studies	Pre-Advanced Placement World History and Geography	1.0	113
Social Studies	African American Studies A	0.5	110
Social Studies	African American Studies B	0.5	110
Social Studies	African World Studies	0.5	110
Social Studies	American Military History: 1776 to Present	0.5	110
Social Studies	Anthropology	0.5	110
Social Studies	Current Events (Today's Events, Tomorrow's History)	0.5	111
Social Studies	Economics	0.5	108
Social Studies	Government and Politics: United States A	0.5	109

Alphabetical Listing of Courses by Department

Actual course offerings (elective courses) described in this Bulletin of Courses are contingent upon sufficient student enrollment, budget, facility, and faculty.

Department	Course	Credit	Page
Social Studies	Government and Politics: United States B	0.5	109
Social Studies	Law I	0.5	111
Social Studies	Law II	0.5	111
Social Studies	Psychology	0.5	111
Social Studies	Sociology	0.5	111
Social Studies	The Turbulent Years: History of the 1980s to 2008	0.5	111
Social Studies	United States History A	0.5	108
Social Studies	United States History B	0.5	108
Social Studies	Women's Studies	0.5	111
Social Studies	World History A	0.5	108
Social Studies	World History B	0.5	108
Virtual Learning Program	Biotechnology A	0.5	114
Virtual Learning Program	Biotechnology B	0.5	114
Virtual Learning Program	Digital Imaging	0.5	114
Virtual Learning Program	Engineering and Technology	0.5	114
Virtual Learning Program	Leadership	0.5	114
World Languages	Advanced Placement French Language and Culture	1.0	121
World Languages	Advanced Placement Latin	1.0	121
World Languages	Advanced Placement Spanish Language and Culture	1.0	121
World Languages	Chinese I A	0.5	117
World Languages	Chinese I B	0.5	117
World Languages	Chinese II A	0.5	117
World Languages	Chinese II B	0.5	117
World Languages	Chinese III A	0.5	117
World Languages	Chinese III B	0.5	117
World Languages	French I A	0.5	118
World Languages	French I B	0.5	118
World Languages	French II A	0.5	118
World Languages	French II B	0.5	118
World Languages	French III A	0.5	118
World Languages	French III B	0.5	118
World Languages	Latin I A	0.5	119
World Languages	Latin I B	0.5	119
World Languages	Latin II A	0.5	119
World Languages	Latin II B	0.5	119
World Languages	Latin III A	0.5	119
World Languages	Latin III B	0.5	119
World Languages	Spanish I A	0.5	120
World Languages	Spanish I B	0.5	120
World Languages	Spanish II A	0.5	120
World Languages	Spanish II B	0.5	120
World Languages	Spanish III A	0.5	120
World Languages	Spanish III B	0.5	120

Description of Courses

The following pages contain a description of each course available to students in Kalamazoo Public Schools. Course descriptions found in this section are listed in alphabetical order by **department**. Additional information about the course is provided (if applicable) using the key below:

[AP]	**Advanced Placement** (pg. 25)
[C]	**College Credit** - course is eligible for college credit
[MAC]	**Merit Academic Credit** - credit can be applied toward fulfillment of a required course/credit (pg. 126)
[R]	**Required** course/credit for graduation
[W]	**Weighted** Grade Values (pg. 25)

Actual course offerings (elective courses) described in this Bulletin of Courses are contingent upon sufficient student enrollment, budget, facility, and faculty.

Academic Instruction

Academic Instruction Courses	
Course	**Credits**
College and Career Readiness	0.5
Seminar	0.5

[R] College and Career Readiness
1 Semester ● 0.5 Credit
Course #: 0110-1
Prerequisite: None
This course provides comprehensive strategies for college and career preparation as students explore college, careers, and training options leading to progressive postsecondary pathways. These pathways include 2-year and 4-year college options, job training, apprenticeships, military services, and entrepreneurship. The integration of cross-curricular concepts such as 21st century skills and critical and creative thinking will engage students to develop key transitioning and learning techniques to include understanding departments on college campuses, personal responsibility, study skills, goal setting, budgeting, time management, financial literacy, decision making, and employability skills. Students will explore scholarship options including the gracious gift of The Kalamazoo Promise. Students will also develop a college and career research project outlining their potential college and career postsecondary plan to help them to reach their promising academic, career, and life goals and aspirations.

Scheduling Note for KAMSC Students: Students attending KAMSC in their ninth-grade year will meet this requirement in KAMSC Information Technology.

Seminar
1 Semester ● 0.5 Credit
Course #: 91004, 91005
This course is designed to be an educational extension of a student's academic schedule. Seminar provides opportunities for enrichment, encouragement, remediation, and reinforcement of key concepts taught in a student's other courses. All students will be automatically registered for the seminar but can opt out to take additional courses. Recommendation from counselors and/or guardians is required.

Art

All Art courses count toward the Visual, Performing, and Applied Arts requirement for graduation.

Current Art Courses	
Course	**Credits**
AP Studio Art Portfolio	1.0
Art Foundations	0.5
Ceramics Studio	0.5
Drawing Studio	0.5
Eco Art	0.5
Fiber Arts	0.5
Graphic Design	0.5
Illustration	0.5
Jewelry Design	0.5
Mixed Media	0.5
Painting Studio	0.5
Photography	0.5

Art

All Art courses count toward the Visual, Performing, and Applied Arts requirement for graduation.

Art Foundations
1 Semester • 0.5 Credit
Course #: 1000-1
Prerequisite: **None**
Students will develop drawing skills while fostering creativity and personal expression. Students will explore techniques in shading, mark-making, and perspective, to create realistic and imaginative compositions. Through hands-on exercises, students will develop an understanding of proportion, depth, and texture, using a variety of drawing tools and materials. This class emphasizes observation, practice, and the creative process to help students bring their ideas to life.

Intermediate Courses

Drawing Studio
1 Semester • 0.5 Credit
Course #: 1037-1
Prerequisite: **Art Foundations**
Students will develop drawing skills while fostering creativity and personal expression. Students will explore techniques in shading, mark-making, and perspective, to create realistic and imaginative compositions. Through hands-on exercises, students will develop an understanding of proportion, depth, and texture, using a variety of drawing tools and materials. This class emphasizes observation, practice, and the creative process to help students bring their ideas to life.

Fiber Arts
1 Semester • 0.5 Credit
Course #: 1041-1
Prerequisite: Art Foundations
Students will explore the artistic possibilities of natural and synthetic fibers while developing skills in pattern design, color theory, and texture creation. Techniques such as weaving, sewing, crocheting, macrame, and knitting will be developed. Projects will range from traditional crafts to contemporary expressions, allowing students to create functional, decorative, or conceptual works.

Mixed Media
1 Semester • 0.5 Credit
Course #: 1057-1
Prerequisite: Art Foundations
Students will develop and refine 2-D and 3-D techniques. Students will develop their ability to brainstorm, research, and collect reference images, in order to learn to independently develop ideas for assignments. By combining art materials and techniques, students will develop their artistic skills.

Photography
1 Semester • 0.5 Credit
Course #: 10621
Prerequisite: Art Foundations
Students will develop skills in creative expressive photography through the technical aspects of digital imaging. Emphasis will be placed on idea development, composition, lighting, and communication through the use of digital equipment.

Art

All Art courses count toward the Visual, Performing, and Applied Arts requirement for graduation.

Emphasis Courses

Ceramics Studio
1 Semester • 0.5 Credit
Course #: 10351
Prerequisite: **Art Foundations**
Students will develop a strong skill base to enable the successful construction of functional and sculptural ceramic objects. Students will create 3-D forms with an emphasis on ideas and concepts. Assignments will provide a backbone for exploration in slab construction, coil building, pinching, glazing, and throwing on the potter's wheel. This course is designed to provide a hands-on studio art experience.

Eco Art
1 Semester • 0.5 Credit
Course #: 1032-1
Prerequisite: Art Foundations
Students will create art that utilizes nature as its primary subject, while also emphasizing the human relationship between nature, art, and science. 2-D and 3-D art will be produced using natural materials, is done outdoors, and/or has an ecological message. Opportunities for interdisciplinary study with science may include subjects such as Earth Science, architecture, literature, botany, anatomy, and biology.

Graphic Design
1 Semester • 0.5 Credit
Course #: 1043-1
Prerequisite: Art Foundations
Students will apply a broad range of digital image editing tools. Students will enhance their digital literacy by examining the different capabilities of image editing software programs and understanding the difference between vector and raster-based imagery. Graphic design, image formatting, photo editing, and digital painting will be applied.

Illustration
1 Semester • 0.5 Credit
Course #: 1033-1
Prerequisite: **Art Foundations**
Students will create visuals intended to accompany other media such as newspapers, children's books, comics, graphic novels, cartoons, and/or video games. Emphasis will be placed on applying stylized drawing techniques, character design, composition, historical connections, and media exploration

Jewelry Design
1 Semester • 0.5 Credit
Course #: 10461
Prerequisite: Art Foundations
Students will apply materials, tools, and techniques to create original pieces of jewelry. Emphasis will be placed on the basic skills of design, craftsmanship, and creative expression. Students will build on these skills to explore advanced jewelry techniques.

Painting Studio
1 Semester • 0.5 Credit
Course #: 1058-1
Prerequisite: Art Foundations
Students will use acrylic and/or watercolor paint as an expressive media. Mark making, mixing colors, building value, and compositional considerations will be studied. Additionally, students will learn to apply techniques to achieve conceptual meaning in their works

Art

All Art courses count toward the Visual, Performing, and Applied Arts requirement for graduation.

Advanced Placement Courses

Due to the rigor of AP courses, students are strongly encouraged to complete a summer assignment as suggested by the AP teacher. Content from summer assignments will be included on an assessment during the first semester. A packet with detailed course information is available in the principal's office.

AP courses are intended for students in grades 10-12.
[W]= Weighted Grade Value (see page 24)
[C] = College Credit Available - *Students can earn college credit by taking any of the following Advanced Placement courses and passing the AP Exam.*

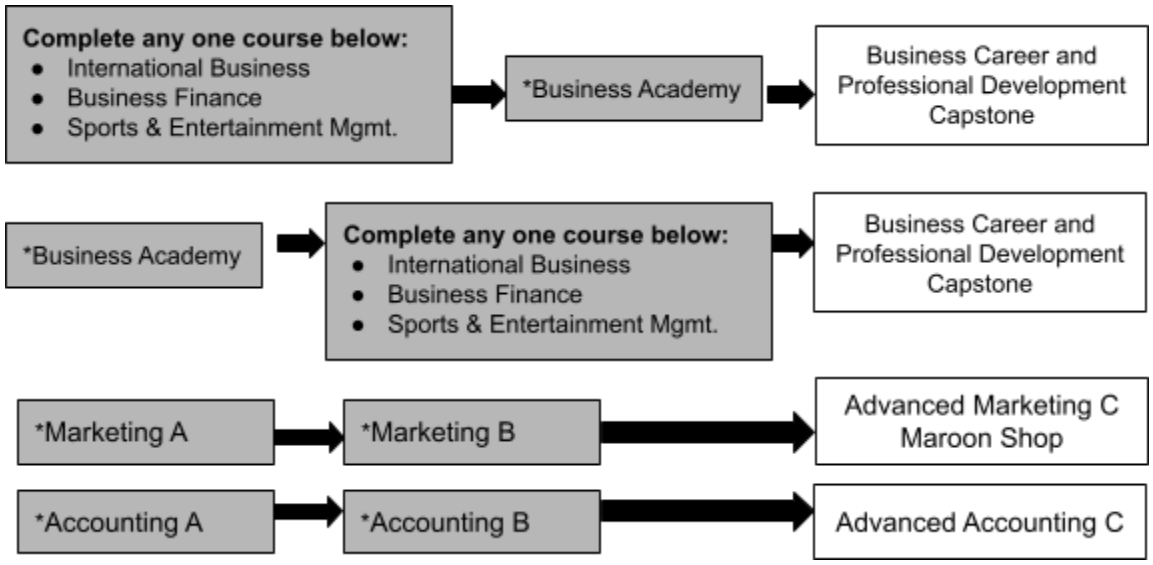
[AP] [W] [C] AP Studio Art Portfolio
2 Semesters • 1.0 Credits
Course #: 10922, 10923
Prerequisite: Review of Portfolio
Students will choose a course of study - AP 2-D, AP Drawing, or AP 3-D - to gain possible credit at the college level. Specifically, students will create a comprehensive portfolio around a subject of study they choose, while learning conceptual art ideas. Emphasis will be placed on documenting practice, experimentation, and revision during this year-long course. Critiquing, presenting, and writing about their art will be a requirement.

Business Education

Current Business Education Courses	
Course	**Credits**
Accounting (A & B)	1.0
Advanced Accounting (C)	0.5
Advanced Business Information Systems	0.5
Advanced Marketing (C)	0.5
Basic Marketing (A & B)	1.0
Business Academy	1.0
Business Career and Professional Development Capstone Experience	0.5
Business Finance	0.5
Business Information Systems (A & B)	1.0
Business Law	0.5
International Business	0.5
Marketing, Entrepreneurship, and Career Planning	0.5
School Store: Maroon Shop	0.5
Sports & Entertainment Management	0.5
Young Entrepreneurs of the Future	0.5
CTE courses prepare students for work-based learning opportunities in the community where they can earn money and school credit at the same time while learning valuable employability skills. Students can also earn recognized industry-based certifications in all CTE courses.	

Business Education

Business, Management, Marketing, and Technology Course Pathways



Students can complete any course pathway (in gray; with a "C" or higher) to become a program completer. Courses that are not highlighted provide a deeper concentration within the career pathway. ***All business CTE courses also count towards either the credit for the final-year math experience or the World Language credit. Please see your counselor or talk with a business teacher for additional information about course offerings, Microsoft Office and other certifications. Explore the many viable and emerging career-connected business pathways and work-based learning opportunities offered in these career pathways!***

Business Education

Accounting Courses

All of the following Accounting courses include a manual, as well as computerized accounting procedures, which are integrated into the curriculum and reflect tasks performed within the accounting field.

Accounting A
1 Semester • 0.5 Credit
Course #: 1550-2
Prerequisite: SCT
Grades: 10, 11, 12
Students will learn accounting procedures and principles for a service business organized for single-owner businesses and partnership and how accounting is used to record and report business transactions. Students will learn about financial statements such as income statements and balance sheets along the process of recording, adjusting, analyzing revenues and expenses. Students will also learn how assets and liabilities are used and recorded in reporting financial information. This course prepares students for entry-level accounting/finance positions and is recommended for all students interested in pursuing a college degree, as well as students who plan to own and operate their own business. Students taking this class will have the option to earn industry-based certification(s).

AND

Accounting B
[MAC] 4th Related Math
1 Semester • 0.5 Credit
Course #: 1550-3
Prerequisite: Accounting A
Grades: 10, 11, 12
As a continuation of Accounting A, students will deepen their knowledge of the accounting information systems and business applications in evaluating assets, liability and equity valuation. Students will also explore emerging technologies used in accounting to record financial information and transactions and will focus on strategic cost analysis in helping a business improve their strategic position. Students will also learn why and how businesses use performance evaluation to forecast their financial performance to improve their strategic position. Students taking this class will have the option to earn industry-based certification(s).

Advanced Accounting C
1 Semester • 0.5 Credit
Course #: 1551-1
Prerequisite: Accounting B
Grades: 10, 11, 12
This course is an extension of Accounting B. Students will learn accounting for a merchandising business that is structured as a corporation as they build on their knowledge from previous accounting courses. Students will learn how to analyze the corporation's financial statements to determine how their choices reflect the economics of their corporation as they learn about the necessary tools to analyze financial statements. Students will also explore the importance and role of financial markets in the transition to a net-zero economy. Students will be able to apply these practices if they are interested in working on the buy or sell side. Students taking this class will have the option to earn industry-based certification(s).

Business Education

Business Courses

Business Academy (*Students take 2 of 3 classes listed.*)
1 Semester (Block-2 periods) • 1 Credit
I/S (International Business and Sports and Entertainment Management) Course #1572
S/B (Sports and Entertainment Management and Business Finance) Course #1573
B/I (Business Finance and International Business) Course #1574
Prerequisite: None
Grades: 10, 11, 12
The Business Academy will give students an opportunity to explore business as a possible career path as they learn concepts and develop skills in the areas of business management, marketing, and administration. The academy will offer two concentrated strands of study to include business finance, sports and entertain-ment management, and/ or international business. Students will participate in work-based learning and leadership activities to prepare them for the workplace and postsecondary education and training pursuits. Students will be able to earn industry-based certification and skills-based badges that provide an employer with verification that students have attained the necessary business skills to be employable in careers in our global society upon completing the program.

Business Career and Professional Development Capstone Experience
1 Semester • 0.5 Credit
Course #: 1577-1
Prerequisite: 11th and 12th Grade Business Program Completers
Students will have the opportunity to earn Microsoft Specialist, Expert, and Master certifications while they embark on a business career and professional development capstone journey. Students will participate in an internship, job shadowing, and or field experience in their community to specialize their focus on their desired career area as they research, synthesize, assess, and apply learned business concepts and competencies. Students will include components such as career mobility, education, training, and preparation, as they develop a six-year personal career and life plan to meet their goals and objectives. Students will complete a research project, portfolio, and presentation on their findings. Students will utilize career advancement activities to enhance professional development and maintain a career portfolio to document knowledge, skills, and experience in their chosen career field. Students will work on job seeking skills and preparation and examine licensing, certifications and credentialing requirements to maintain compliance with industry standards.

Business Finance
[MAC] 4th Related Math (0.5 credit)
1 Semester • 0.5 Credit
Course #: 1554-1
Prerequisite: None
Grades: 10, 11, 12
Students will gain an understanding of a wide variety of business financial concepts relative to the world of corporate finance. Topics include business environment, ethics, business enterprise, economics, investing, banking, budgeting, entrepreneurship, asset protection and management, financial services, loan options, and risk management. Students will develop the skills to plan, manage, and monitor financial transactions for business applications as they understand real-world economics and financial principles. Students taking this class will have the option to earn industry-based certification(s).

Business Education

Business Information Systems A (BIS-A)
1 Semester • 0.5 Credit
Course #: 1552-2
Prerequisite: Computer Applications or SCT
Grades: 10, 11, 12
Students will learn to operate in a business environment. Students will gain an understanding of the corporate structure of an organization and what it takes to excel in any career. Students will receive instruction in advanced office applications and procedures. In addition, topics such as work-place essential skills, career planning, records management, leadership, communication, and problem-solving skills related to business and office management will be integrated.

AND

Business Information Systems B (BIS-B)
[MAC] 4th Related Math
[MAC] Visual, Performing & Applied Arts
1 Semester • 0.5 Credit
Course #: 1552-3
Prerequisite: SCT
Grades: 10, 11, 12
This course is a continuation of BIS-A.

(Advanced) Business Information Systems
1 Semester • 0.5 Credit
Course #: 1553-1
Prerequisite: BIS-B
Grades: 10, 11, 12
This course is an extension of BIS-B. Students will learn advanced concepts that are integrated and demonstrated through various simulations and office applications. Students will receive instruction in e-commerce and human resource management. In addition, students will continue to explore business as a possible career pathway.

Business Law
1 Semester ● 0.5 Credit
Course #: 1555-1
Prerequisite: None
Grades: 10, 11, 12
Students will study business situations and laws governing transactions as they relate to consumers, business, and government. This course offers an overview of the legal environment relative to common business transactions and obligations. Topics include negligence and other torts, sales law, contracts, and other selected topics.

International Business
[MAC] 4th Related Math (0.5 credit)
1 Semester • 0.5 Credit
Course #: 1558-1
Prerequisite: None
Grades: 10, 11, 12
Students will learn how international business affects our world economy as they explore the cultural, geographical, political, technological, and legal ramifications impacting business markets, foreign trade, and the exportation of goods and services. Students will also learn the components of the international business environment and aspects related to the value of global currency and globalization on businesses. Students will use simulations and office applications to deepen their understanding of these concepts. Students taking this class will have the option to earn industry-based certification(s).

Business Education

Marketing Courses

Basic Marketing A
1 Semester • 0.5 Credit
Course #: 1560-2
Prerequisite: None
Grades: 10, 11, 12
Students will examine the business function of marketing to include economics, business essentials, and career development as they explore consumer needs, target markets, products, and services. Students will learn a variety of skills including communication, analysis, and strategy to understand buyer behavior, product development, distribution, pricing, and promotion to drive engagement with target audiences. Students will also explore the effect and impact that social media has on marketing and sales in our global technological world. Students taking this class will have the option to earn industry-based certification(s).

AND

Basic Marketing B
[MAC] 4th Related Math
[MAC] Visual, Performing & Applied Arts
1 Semester • 0.5 Credit
Course #: 1560-3
Prerequisite: Basic Marketing A
Grades: 10, 11, 12
Students will gain an understanding of a wide variety of business financial concepts relative to the world of corporate finance. Topics include business environment, ethics, business enterprise, economics, investing, banking, budgeting, entrepreneurship, asset protection and management, financial services, loan options, and risk management. Students will develop the skills to plan, manage, and monitor financial transactions for business applications as they understand real-world economics and financial principles. Students taking this class will have the option to earn industry-based certification(s).

(Advanced) Marketing C
1 Semester • 0.5 Credit
Course #: 1561-1
Prerequisite: Basic Marketing B
Grades: 10, 11, 12
In this course students will take a deeper examination of marketing research, social media, company analysis, and competition as they build on their knowledge from the previous marketing courses. Students will develop projects to increase their proficiency in one more marketing area and illustrate appropriate research and management skills as they create targeted marketing campaigns using marketing tools focusing on areas such as digital marketing analytics, brand management, and segmentation. Students will incorporate real-world case studies to prepare students for advanced marketing roles within organizations. Students taking this class will have the option to earn industry-based certification(s).

Marketing, Entrepreneurship, and Career Planning
1 Semester • 0.5 Credit
Course #: 1562-1
Prerequisite: None
Grades: 10, 11, 12
This course will introduce the marketing mix and how entrepreneurs plan and implement their marketing and business plans. Students will also complete an employability skills unit for their career plan.

Business Education

School Store: Maroon Shop
1 Semester • 0.5 Credit
Course # 1563-456
Prerequisites: Basic Marketing B and teacher approval
Grades: 10, 11, 12
Site: Kalamazoo Central High School
Scheduling Note: Students may elect this course for 1 or 2 semesters
Students will be required to compete in DECA, complete a portfolio, and a marketing research project. The research projects will be of the student's choosing, with instructor approval. Particular emphasis of this class will revolve around managing and operating a retail business.

Sports and Entertainment Management
1 Semester • 0.5 Credit
Course #: 1560-1
Prerequisite: None
Grades: 10, 11, 12
Students will learn basic functions of management in sports and entertainment industries. They will explore legal principles and ethics, advancements in technology, leadership, and how marketing, financial, and economics principles are applied. Students will also explore product and information management, human resources and management, and customer relations. Students will use various simulations and office applications to deepen their understanding of these concepts. Students taking this class will have the option to earn industry-based certification(s).

Young Entrepreneurs of the Future
1 Semester • 0.5 Credit
Course #: 1571-1
Prerequisite: None
Grade: 9
As enterprising individuals, students will role-play and take risks as they research and map business needs of their communities. They will find a business they can grow while learning about business principles, concepts and various careers in business. They will learn leadership development, time management and interpersonal skills, which are highly transferable skills sought by employers.

Career and Technical Education (CTE)

CAREER AND TECHNICAL EDUCATION (CTE)
2026-2027 COURSE DESCRIPTIONS

All classes are yearlong, Monday - Friday

www.kresa.org/careerconnect

Career and Technical Education (CTE) offers a wide range of cutting edge, hands-on career preparation programs to high school students across Kalamazoo County. CTE courses emphasize real-world application and maintain the rigorous requirements of the Michigan Merit Curriculum, as well as state, national, and industry technical standards. CTE students have the opportunity to earn marketable, industry-recognized credentials through their CTE courses.

CTE programs are held at multiple locations across the county: at the Career Connect Campus, local high schools, on college campuses and business, and at industry work sites.

All CTE courses are located at the Career Connect Campus (CCC), unless otherwise noted for satellite programs.

Morning Session Time: 8:00 a.m. - 10:00 a.m.
Afternoon Session Time: 11:45 a.m. - 1:45 p.m.
*Satellite programs may have an adjusted session time.

Transportation will be provided to the CCC and satellite locations.

All CTE courses may meet Michigan Merit Curriculum requirements for the following areas:

- 2nd world language credit
- 3rd science credit
- 4th related math credit/senior year
- Visual, performing and applied arts credit (VPAA)

Contact your high school counselor with questions related to CTE programs and graduation requirements.

KPS students in grades 10, 11, and 12 are encouraged to apply for a CTE program of their choice. Please note, students in grades 11 and 12 will be given first priority for placement.

Career and Technical Education (CTE)

Course	Credit	Site
Automotive Technology	2.0	Career Connect Campus
Aviation Technology	2.0	Air Zoo
Computer Networking	2.0	Career Connect Campus
Computer Programming	2.0	Career Connect Campus
Conservation Biology	2.0	Kalamazoo Nature Ctr - Heronwood Field Station
Construction Trades	2.0	Career Connect Campus
Criminal Justice & Public Safety	2.0	KVCC Texas Township Campus
Culinary Arts	2.0	Career Connect Campus
Cybersecurity	2.0	Career Connect Campus
Dental Assisting	2.5	KVCC Texas Township Campus
Design	2.0	Career Connect Campus
Educator Academy	2.0	Career Connect Campus
Electrical Technology	2.0	Career Connect Campus
Emergency Medical Technician (EMT)	3.0 - 3.5	KVCC Culinary/Allied Health Building
Heating, Ventilation, Air Conditioning & Refrigeration	2.0	Career Connect Campus
Heavy Equipment Maintenance	2.0	Career Connect Campus
Horticulture	2.0	Career Connect Campus
Machine Tool	2.0	Career Connect Campus
Mechatronics: Robotics and Automation	2.0	Career Connect Campus
Medical Laboratory Sciences	2.0	Career Connect Campus
Patient Care Technician	2.0	Career Connect Campus
Pharmacy Technician	2.0	Career Connect Campus
Plumbing	2.0	Career Connect Campus
Rehabilitation Therapy	2.0	Career Connect Campus
Supply Chain	2.0	Career Connect Campus
Veterinary Science	2.0	Career Connect Campus
Welding	2.0	Career Connect Campus

Career and Technical Education (CTE)

*For a completer of in-house semester programs - see instructor. One semester does not indicate a completed program.

Pathway	Location	4th Related Math (M) 3rd Science (S) 2nd World Language (WL) Visual, Performing and Applied Arts (VPAA)
Agriculture, Food, and Natural Resources Pathway		
Conservation Biology	Kalamazoo Nature Center Heronwood Field Station	M, S, WL
Horticulture	Career Connect Campus	M, S, WL
Veterinary Science	Career Connect Campus	M, S, WL
Architecture and Construction Trades Pathway		
Construction Trades	Career Connect Campus	M, S, WL, VPAA
Electrical Technology	Career Connect Campus	M, S, WL
Heating, Ventilation, Air Conditioning, and Refrigeration	Career Connect Campus	M, S, WL
Plumbing	Career Connect Campus	M, S, WL
Culinary Arts Pathway		
Culinary Arts	Career Connect Campus	M, S, WL, VPAA
Design Pathway		
Design	Career Connect Campus	M, S, WL, VPAA
Health Science Pathway		
Dental Assisting	KVCC Texas Township Campus	M, S, WL
Emergency Medical Technician	KVCC Culinary and Allied Health Building	M, S, WL
Medical Laboratory Sciences	Career Connect Campus	M, S, WL
Patient Care Technician	Career Connect Campus	M, S, WL
Pharmacy Technician	Career Connect Campus	M, S, WL
Rehabilitation Therapy	Career Connect Campus	M, S, WL
Human Services Pathway		
Criminal Justice and Public Safety	KVCC Texas Township Campus	M, S, WL
Educator Academy	Career Connect Campus	M, S, WL, VPAA

Career and Technical Education (CTE)

*For a completer of in-house semester programs - see instructor. One semester does not indicate a completed program.

Information Technology Pathway		
Computer Networking	Career Connect Campus	M, S, WL
Computer Programming	Career Connect Campus	M, S, WL
Cybersecurity	Career Connect Campus	M, S, WL
Manufacturing Pathway		
Machine Tool	Career Connect Campus	M, S, WL
Mechatronics: Robotics and Automation	Career Connect Campus	M, S, WL
Supply Chain	Career Connect Campus	M, S, WL
Welding	Career Connect Campus	M, S, WL
Transportation, Distribution, and Logistics Pathway		
Automotive Technology	Career Connect Campus	M, S, WL
Aviation Technology	Air Zoo	M, S, WL
Heavy Equipment Maintenance	Career Connect Campus	M, S, WL

Career and Technical Education (CTE)

AGRICULTURE, FOOD AND NATURAL RESOURCES CAREER PATHWAY

Conservation Biology
2 Semesters - 2 Credits
Course #:25777, 25778
Location: Kalamazoo Nature Center Heronwood Field Station
Examine ecological and applied biological science through classroom, lab, and field work outdoors at the Kalamazoo Nature Center. Major units of the class include: biodiversity, forestry, climate change, soil, water, wildlife, and human impacts on the natural world. Interact with natural resource conservationists and wildlife biologists to gain the necessary skills for employment in this field.

Horticulture
2 Semesters - 2 Credits
Course #: 25872, 25873
Location: Career Connect Campus
Engage in every aspect of plant production, from crop selection to final sale. Learn plant biology, taxonomy, soil science, and modern production techniques while building a professional portfolio of work. This program prepares students for continued education or employment in the horticulture industry.

Veterinary Science
2 Semesters - 2 Credits
Course #: 25707, 25708
Location: Career Connect Campus
Strengthen an understanding of animal anatomy, medical terminology, and healthcare. To prepare for veterinary assistant and veterinary technician careers, learn animal care and handling, anatomy/physiology, surgical preparation, pharmacology, and client relations.

Career and Technical Education (CTE)

ARCHITECTURE AND CONSTRUCTION TRADES CAREER PATHWAY

Construction Trades
2 Semesters - 2 Credits
Course #: 25527, 25528
Location: Career Connect Campus
Build hands-on skills in the construction industry. Learn hand and power tool use, blueprint reading, design, and basic carpentry skills to support successful careers in residential and commercial construction. This course provides a foundation to pursue a wide variety of construction pathways, including related apprenticeships, residential building, and commercial construction careers.

Electrical Technology
2 Semesters - 2 Credits
Course #: 25577, 25578
Location: Career Connect Campus
Engage in hands-on electrical installations ranging from residential wiring to commercial building projects. To prepare for apprenticeships and residential, commercial, and industrial electrical careers, the course focuses on electrical theory, electrical code, installation, troubleshooting, sustainable energy, and project management.

Heating, Ventilation, Air Conditioning and Refrigeration
2 Semesters - 2 Credits
Course #: 25617, 25618
Location: Career Connect Campus
Engage in hands-on layout design, installation, and service of residential and commercial HVAC-R systems. Learn blueprint design and reading, tools and equipment, residential installation, troubleshooting, and project management. This course prepares students for continued learning in related apprenticeships, and careers in residential and commercial sales, service, and maintenance careers.

Plumbing
2 Semesters - 2 Credits
Course #: 25752, 25753
Location: Career Connect Campus
Gain skills in the design, installation, and maintenance of both residential and commercial plumbing systems. Learn blueprint design and interpretation, foundational tools and equipment, plumbing code, project management, and work with fittings, valves, and fixtures. This course prepares students for plumbing apprenticeships, residential and commercial sales, service, and maintenance careers.

Career and Technical Education (CTE)

CULINARY ARTS CAREER PATHWAY

Culinary Arts
2 Semesters - 2 Credits
Course #: 25547, 25548
Location: Career Connect Campus
Step into a commercial kitchen setting with hands-on instruction and practical learning. Learn cooking principles, sanitation, food safety, management, and culinary skills. This program prepares students for occupations within the restaurant, baking, and catering industries.

DESIGN CAREER PATHWAY

Design
2 Semesters - 2 Credits
Course #: 25762, 25763
Location: Career Connect Campus
Explore various careers in design, develop creative thinking skills, and understand the design process used by professionals. Create projects across multiple design fields, including: graphic design, fashion accessory design, interior and landscape design, product design and more. Collaborate in design teams, present and discuss work and build a professional portfolio to prepare for success in a variety of design careers.

HEALTH SCIENCE CAREER PATHWAY

Dental Assisting (dual enrolled course held at Kalamazoo Valley Community College)
2 Semesters - 2.5 Credits
Course #: KV2555282, KV45112, KV2555283, KV2555113, KV2555278
Location: KVCC Texas Township Campus
Learn the fundamental knowledge and skills of dental anatomy, physiology, terminology, dental materials, chairside assisting, sterilization, radiology, laboratory, and clinical procedures. This course prepares students to work in a dental office as dental assistants.

Emergency Medical Technician (dual enrolled course held at Kalamazoo Valley Community College)
2 Semesters - 3.0 - 3.5 Credits
Course #: KV2558105, KV2558108, KV2558109, KV2558115 (if 18 by April of the class)
Location: KVCC Culinary and Allied Health Building
Get prepared to work in an out-of-hospital setting as an entry-level Emergency Medical Technician. Emphasis is placed on mastery of CPR, simple pharmacology for common medical emergencies, patient assessment, bandaging and splinting, and vehicle extrication. The course introduces the clinical component of EMT education which is the minimum level of training required for work on a transporting ambulance.

HEALTH SCIENCE CAREER PATHWAY (cont'd)

Exercise Science & Rehabilitation
2 Semesters - 2 Credits
Course #:25852, 25853
Location: Career Connect Campus
Explore a range of therapy fields, from basic physical therapy to occupational therapy, injury prevention, and rehabilitation, in a hands-on environment mimicking a functioning therapy clinic. To prepare for physical therapy, occupational therapy, athletic training, and related sports medicine careers, learn personal and workplace safety, healthcare communication and terminology, anatomy/physiology, injury care assessment/skills, and rehabilitation.

Medical Laboratory Science
2 Semesters - 2 Credits
Course #:25602, 25603
Location: Career Connect Campus
Step into a simulated functioning medical laboratory providing services ranging from basic specimen collection to handling and analysis. To prepare for laboratory assistant roles across various clinical and medical settings, learn healthcare communication and terminology, anatomy/physiology, phlebotomy, infectious disease identification/protocols, and medical records documentation.

Patient Care Technician
2 Semesters - 2 Credits
Course #: 25622, 25623
Location: Career Connect Campus
Explore healthcare communication and terminology, anatomy/physiology, clinical skills, and ethics/confidentiality in a simulated clinical setting. Learn skills ranging from basic patient care to phlebotomy and EKG. Get prepared for patient care technician, nursing, and related healthcare careers.

Pharmacy Technician
2 Semesters - 2 Credits
Course #: 25672, 25673
Location: Career Connect Campus
Gain a comprehensive understanding of the roles and responsibilities of pharmacy technicians within the healthcare system. Dive into a range of topics, including pharmacology, medication management and regulations, anatomy/physiology, prescription processing, personal and workplace safety, healthcare communication and terminology, math skills and hands-on learning to be prepared to enter a pharmacy technician or related pharmaceutical research/development career.

Career and Technical Education (CTE)

HUMAN SERVICES CAREER PATHWAY

Criminal Justice & Public Safety
2 Semesters - 2 Credits
Course #: 25642, 25643
Location: KVCC Texas Township Campus
Through a close partnership with local law enforcement agencies and Kalamazoo Valley Community College (KVCC), gain the skills and ethical perspectives needed to become a successful police or fire academy recruit. Develop a foundation for additional careers in criminal justice. Explore topics such as criminal law, patrol procedures, fire ground operations, safety and first aid, ethics, defensive tactics, crime scene investigation, and communication skills.

Educator Academy
2 Semesters - 2 Credits
Course #: 25692, 25693
Location: Career Connect Campus
Cultivate foundational skills for a successful career in the field of education. Learn the fundamentals of child development, from early childhood through adolescence, and principles of effective teaching through classroom instruction and internships. Work directly with young learners in an educational setting, while preparing for work as a paraprofessional, childcare professionals, or continued education as a teacher.

INFORMATION TECHNOLOGY CAREER PATHWAY

Computer Networking
2 Semesters - 2 Credits
Course #: 25782, 25783
Location: Career Connect Campus
Learn to implement and manage high-performance, reliable, and scalable computer networks that connect devices, systems, and users across organizations or even globally. Gain insight into concepts such as performance and reliability, scalability, security, network architecture, network management, collaboration and convergence, standards, and troubleshooting, while preparing for careers in the computer networking field.

Computer Programming
2 Semesters - 2 Credits
Course #: 25382, 25383
Location: Career Connect Campus
Explore real-world scenarios to gain knowledge of professional software creation, design, and deployment. Understand device cross-platform development. Learn User Experience (UX), User Interface (UI), and responsive design while preparing for careers in the computer programming field.

Cybersecurity
2 Semesters - 2 Credits
Course #: 25792, 25793
Location: Career Connect Campus
Engage in real-world scenarios to learn topics and skills related to protecting computer operating systems (Windows, Linux, and macOS), networks, IP addresses, and data from threats. Explore new IT trends and technologies, and demonstrate knowledge of network integrity protection, quality assurance, interpreting documentation, coding, cryptographic protocols, and security to prepare for careers in the cybersecurity field.

MANUFACTURING CAREER PATHWAY

Machine Tool and Engineering
2 Semesters - 2 Credits
Course #: 25662, 25663
Location: Career Connect Campus
Get immersed in machine tool technologies, from basic to advanced. Learn the stages of manufacturing from idea to creation, including: the use of CAD/CAM software, CNC, mills, lathes, and other industry related equipment. Build a solid foundation of skills, including precision machining, problem solving, design, and quality inspection, to prepare for engineering and machining careers.

Mechatronics: Robotics and Automation
2 Semesters - 2 Credits
Course #: 25497, 25498
Location: Career Connect Campus
Dive deep into the use of robotics for processes that combine mechanical, electrical, computer, and automation technologies. Build a solid foundation of skills including electrical theory, robotics, CAD/CAM, hydraulics/pneumatics, and project management to prepare for machining and engineering careers.

Supply Chain
2 Semesters - 2 Credits
Course #: 25892, 25893
Location: Career Connect Campus
Explore the flow of materials from raw material to finished product and delivery to customers. This foundational course introduces key concepts such as global supply chains, warehouse location, contingency planning, and in-sourcing and out-sourcing decisions. Learn how professionals optimize resources and establish physical networks, while gaining real-world experience by operating the Career Connect Campus warehouse.

Welding
2 Semesters - 2 Credits
Course #: 25712, 25713
Location: Career Connect Campus
Get immersed in hands-on welding processes using professional equipment, applying various techniques to design and fabricate professional-grade metalwork. Gain expertise in safety, metalworking theory, welding techniques/tools, cutting/torches, automation, and quality inspection.

TRANSPORTATION, DISTRIBUTION AND LOGISTICS CAREER PATHWAY

Automotive Technology
2 Semesters - 2 Credits
Course #: 25337, 25338
Location: Career Connect Campus
Engage in hands-on learning in a simulated model of a fully functioning auto service center. To prepare for occupations within the rapidly evolving auto service industry, learn safety, engine repair, automatic transmission and transaxle, manual drivetrain and axles, suspension and steering, brakes, electrical/electronic systems, heating, ventilation and air conditioning, engine performance, and foundational tasks of auto maintenance and repair.

Aviation Technology
2 Semesters - 2 Credits
Course #: 25517, 25518
Location: Air Zoo
Develop an understanding of the aviation industry, including airplane evolution, commercial aviation, flight operations and regulations, weather, airspace, navigation, and more. Interact with industry experts and visit leaders in the field of aviation while cultivating skills with drone technologies.

Heavy Equipment Maintenance
2 Semesters - 2 Credits
Course #:25432, 25433
Location: Career Connect Campus
Engage in hands-on training in the maintenance, repair, and operation of off-road diesel equipment, in partnership with AIS Construction Equipment. Explore heavy machinery used in construction, trucking, agriculture, and material handling industries. Learn engine systems, hydraulic systems, powertrain systems, electrical systems, and maintenance fundamentals. Work with industry-standard equipment and tools, and gain valuable practical experience and prepare for careers as heavy equipment technicians, diesel mechanics, construction equipment operators, and agricultural equipment mechanics.

Education for the Arts (EFA)

2026-2027 COURSE DESCRIPTIONS

All classes are yearlong, Monday-Friday unless otherwise noted www.kresa.org/efa

DANCE		
Dance Studio	1.0	Kalamazoo Central, Comstock, Loy Norrix, Parchment
Intermediate Dance Studio	1.0	Kalamazoo Central, Loy Norrix
World Dance Origins & Movement	1.0	Kalamazoo Central, Loy Norrix
LITERARY ARTS		
Comics, Manga, and Graphic Novel Arts: Hybrid	0.5	Public Media Network
Creative Writing Online: Web-Based	0.5	Online: Kalamazoo Central, Loy Norrix
MEDIA ARTS		
Advanced Video Arts Studio	2.0	Kalamazoo Central, Vicksburg
Digital Studio Art (Hybrid: Web-Based & In-Person)	0.5	Online and Epic Center, PMN
Digital Photo Art (Hybrid: Web-Based & In-Person)	0.5	Online and Epic Center, PMN
Film and Video Arts	2.0	Kalamazoo Central, Vicksburg High School
Intro to 3D Computer Animation	2.0	Epic Center PMN
StoryLab: The Creator's Newsroom	2.0	Epic Center PMN
MEDIA ARTS DUAL-ENROLLED PROGRAM		
Animation Design	2.0	KVCC Center for New Media
Digital Design and Media Production	2.0	KVCC Center for New Media
KVCC Media Arts	2.0	KVCC Center for New Media
THEATRE AND PERFORMING ARTS		
Advanced Musical Theatre	2.0	Loy Norrix
Hip Hop 180: Loy Norrix Only	1.0	Kalamazoo Institute of the Arts
Improv and Scriptwriting	2.0	Kalamazoo Institute of the Arts
VISUAL ARTS		
Advanced Visual Arts Studio	2.0	Kalamazoo Institute of the Arts
Visual Arts Exploration	2.0	Kalamazoo Institute of the Arts

Education for the Arts (EFA)

DANCE

Beginning Dance Studio
[MAC] Visual, Performing, and Applied Arts OR Physical Education
2 Semesters - 1.0 Credit
Course #: 20704, 20705
Grades: 9, 10, 11, 12
Prerequisite: None
Location: Kalamazoo Central, Comstock, Loy Norrix, Parchment
Learn the basic elements and discipline of formal dance technique, exploring classical modern dance, ballet, jazz, hip-hop, and cultural dance styles. Exploration of dance-related genres subjects will include movement improvisation, movement composition, and dance history and strategies for developing stronger spatial awareness. Students gain performance skills, learn how to choreograph their own dances, and are required to participate in an EFA dance concert at the end of each term. They will have the opportunity to take field trips to see live dance concerts and attend master classes. Students will work with professional dance educators and guest artists, helping expand their knowledge of careers in the dance world.

Intermediate Dance Studio
[MAC] Visual, Performing, and Applied Arts OR Physical Education
2 Semesters - 1.0 Credit
Course #: 20747, 20748
Grades: 9, 10, 11, 12
Prerequisites: Beginning Dance Studio
Location: Kalamazoo Central, Loy Norrix
Intermediate Dance is for students who have completed a semester-long EFA Dance Studio class, have previous dance/movement experience, and are committed to a full year of dance instruction. Students will further their training through in-depth instruction and structured small-group student exploration in formal dance techniques, classical modern dance, ballet, jazz, hip hop, and additional forms from around the world. Exploration of dance-related genres and subjects will include movement improvisation, movement composition, dance history, and strategies for developing stronger spatial awareness.

World Dance Origins & Movement
[MAC] Visual, Performing, and Applied Arts OR Physical Education
2 Semesters - 1.0 Credit
Course #: 20762, 20763
Grades: 9, 10, 11, 12
Prerequisites: None
This course can be taken 1 or 2 semesters
Location: Kalamazoo Central, Loy Norrix
Dance is considered a universal language as it is used around the world as a way to express emotions, share stories, and connect people. World Dance provides students with an opportunity to view popularized dance forms from around the globe beyond the movement. Students will experience a wide variety of dance forms and their influences on contemporary dances of today. This course combines elements of a traditional dance class with a deep analysis of the cultural and historical contests of dance through videos, readings, and lectures.

Education for the Arts (EFA)

LITERARY ARTS

Comics, Manga, and Graphic Novel Arts: Hybrid
[MAC] Visual, Performing, and Applied Arts
1 Semester - 0.5 Credits
Course # 20651
Grades: 9, 10, 11, 12
Prerequisites: None
Location: Public Media Network
Learn to write and produce compelling, artistic, inventive comics or manga, and Graphic Novels. Research the history of comics, study the elements of story, plot, and character development, and the productive use of imagery, layout, and composition. Work individually and collaboratively on projects and develop projects by manipulating and editing found media and open-source graphics.

Creative Writing Online: Web-Based
[MAC] Visual, Performing, and Applied Arts
1 Semester - 0.5 Credits
Course #: 20921
Grades: 9, 10, 11, 12
Prerequisites: None
Location: Online: Kalamazoo Central, Loy Norrix
Gain mastery as a creative writer while cultivating valuable time-management skills and learning how to provide and respond to critique. Through literary analysis and weekly writing assignments, students will learn the craft of problem-solving as a writer, considering options and perspectives before putting pen to paper. Students will gain experience with a wide range of genres, including written and spoken-word poetry, personal narrative, creative nonfiction, short stories, and flash fiction. In addition to creative forms, students will develop professional writing skills, and create a resume as part of an online portfolio.

MEDIA ARTS

Advanced Video Arts Studio
[MAC] Visual, Performing, and Applied Arts
2 Semesters - 2.0 Credits
Course # 20522, 20523
Grades: 10, 11, 12
Prerequisites: None
Location: Kalamazoo Central HS
To educate and develop creative filmmakers through experience, experiments, failures and successes.

Creative Game Design
[MAC] Visual, Performing, and Applied Arts
2 Semesters - 2.0 Credits
Course # 20582, 20583
Grades: 10, 11, 12
Prerequisites: None
Location: TBD
This project-focused course will teach students the fundamentals of game design. Through practice and study students learn to craft powerful stories that can be told through in-person, real-time games. Students create board games, card games, role-playing games, and video games, and explore adjacent forms of interactive media. Students develop storytelling and graphic design skills while gaining a greater understanding of fun and the nature of play.

Film and Video Arts
[MAC] Visual, Performing, and Applied Arts
2 Semesters - 2.0 Credits
Course # 20637, 20638
Grades: 10, 11, 12
Prerequisites: None
Scheduling Note: Meets daily (M-F), two periods per day
Location: Kalamazoo Central, Vicksburg High School
Want to learn how to make amazing videos? From short films to viral content, this class teaches students how to plan, film, and edit like a creative pro. Using HD cameras and Adobe Premiere Pro, students will explore storytelling, action, editing, and much more through fun, hands-on projects. Whether students are new to filmmaking or just love creating, this class helps learners build creativity, confidence, and real-world skills that translate to a variety of media and communications roles.

Digital Studio Art (Hybrid: Web-based and In-Person)
[MAC] Visual, Performing, and Applied Arts
1 Semester - 0.5 Credits
Course # 20541
Grades: 10, 11, 12
Prerequisites: None
Location: Online and Epic Center PMN

EVENINGS

This class introduces the basics of drawing and painting using digital means, as well as the basics of digital imaging using Adobe Photoshop and Illustrator. The course is built around the core elements of visual art, such as line, shape, value, and color, with an additional emphasis on learning and using imaging software tools. Students leave with a skillset valuable across a variety of professional contexts including arts, communications, media-based industries, and beyond.

MEDIA ARTS (cont'd)

Digital Photo Art (Hybrid: Web-based and In-Person)
[MAC] Visual, Performing, and Applied Arts
1 Semester - 0.5 Credits
Course # 20561
Grades: 10, 11, 12
Prerequisites: None
Location: Online and Epic Center PMN

EVENINGS

This class will introduce, enhance, and refine students' ability to express themselves with the aid of digital cameras. Students will learn proper photographic techniques, computer enhancement of photos, printing, and professional presentation techniques. Students will develop skills through projects ranging from those focused on core photography fundamentals to immersive pieces of personal expression. They will leave class with the beginnings of a portfolio and the knowledge to expand their work in the future.

.

Intro to 3D Computer Animation
[MAC] Visual, Performing, and Applied Arts
2 Semesters - 2.0 Credits
Course # 20572, 20573
Grades: 10, 11, 12
Prerequisites: None
Location: Epic Center PMN/KVCC

This year-long 3D Animation course introduces high school students to the foundational skills and techniques used in the animation and digital media industry. Students will explore the creative and technical processes of 3D animation, from concept development to final production, using industry-standard software. This hands-on course will also have opportunities to create digital works that can contribute to a student's creative portfolio.

StoryLab: The Creator's Newsroom
[MAC] Visual, Performing, and Applied Arts
2 Semesters - 2.0 Credits
Course # 20592, 20593
Grades: 10, 11, 12
Prerequisites: None
Location: Epic Center PMN

Step into StoryLab: The Creator's Newsroom, where journalism meets the creative economy. Students learn how to discover, research, verify facts, and produce multimedia stories for video, podcast, and social platforms. Students will gain hands-on experience using the tools of today's news creators to produce stories that inform, inspire and strengthen our community.

Education for the Arts (EFA)

MEDIA ARTS DUAL-ENROLLED PROGRAM

Animation Design
[MAC] Visual, Performing, and Applied Arts
2 Semesters - 2.0 Credits
Course # 20522, 20523
Grades: 10, 11, 12
Prerequisites: Students must have successfully completed AAMT 120
Location: KVCC Center for New Media
After students take Digital Design & Media Production, unlock creativity and bring ideas to life in this dynamic, year-long animation course designed for high school students ready to take their skills to the next level. This dual-enrolled course will have students explore the fundamentals of 2D animation, character design, storyboarding, motion graphics, and visual effects using industry-standard software. Emphasis will be placed on both the technical and artistic aspects of animation, with projects that mirror real-world studio workflows. Throughout the year, students will learn the history of animation, collaborate on team-based productions, and learn about career pathways in animation, film, and game design.

Digital Design & Media Production
[MAC] Visual, Performing, and Applied Arts
2 Semesters - 2.0 Credits
Course # 20522, 20523
Grades: 10, 11, 12
Prerequisites: None
Location: KVCC Center for New Media
Step into the world of professional design and media with this year-long digital design course that bridges high school creativity with college-level skill development. This dual-enrolled course introduces students to the principles of graphic design, branding, and digital communication using industry-standard tools. Students will learn how to create compelling visual content across various formats, including logos, posters, digital ads, social media graphics, product packaging, and web-ready designs. Emphasis is placed on the design process—from research and concept development to execution and presentation—preparing students for both college-level coursework and real-world creative careers.

KVCC Media Arts
2 Semesters - 2.0 Credits
Grades: 10, 11, 12
Prerequisite: None
Location: KVCC Center for New Media
Create artworks using computers and learn how art communicates emotions and ideas. Projects include digital photograph manipulation, art for the Internet, stereo 3D images, digital painting, and combining traditional media with new technologies.

Education for the Arts (EFA)

THEATRE AND PERFORMING ARTS

Advanced Musical Theatre
[MAC] Visual, Performing, and Applied Arts
2 Semesters - 2.0 Credits
Course # 20807, 20808
Grades: 10, 11, 12
Prerequisites: None
Location: Loy Norrix
For students interested in a career in the performing arts, this course provides an in-depth look at musical theatre through acting techniques, private voice lessons, and weekly dance classes. Students will experience the study of musical theatre history and enhance their appreciation of the genre while improving their practical performance skills in acting, voice, and dance. This course includes mentoring by professional theatre, vocal, and dance educators and guest artists. Students will also learn audition techniques, build a resume and portfolio, and have opportunities to create and perform in two end-of-the-semester showcases.

Hip Hop 180: Loy Norrix Only
[MAC] Visual, Performing, and Applied Arts
2 Semesters - 1.0 Credit
Course # 20752, 20753
Grades: 10, 11, 12
Prerequisites: None
Location: Kalamazoo Institute of Arts
Activate your voice and amplify your vision through the power of performance rap/poetry, music, and movement. Dig into the history of Hip Hop culture and social justice leadership to build skills, decipher contexts, and determine truths. Then merge your artistic and activist knowledge and techniques to enact meaningful, positive social change in y(our) community.

Improv and Scriptwriting
[MAC] Visual, Performing, and Applied Arts
2 Semesters - 2.0 Credits
Course # 20827, 20828
Grades: 10, 11, 12
Prerequisites: None
Location: Kalamazoo Institute of Arts
More than just theatre without a script, improvisational theater equips learners of all stripes with tools and skills to become better communicators and develop a positive mindset. Interested students be warned: while learning this valuable skillset and art form, expect to laugh. A lot. Alongside the study of improv and its underlying principles and techniques, students will strengthen their voices and perspectives by learning how to create stories for the stage and craft their own scripts. Students will be challenged to grow in their practice as improvisers, performers, and collaborators during this engaging, hands-on class. No previous performance or theatre experience is expected.

Education for the Arts (EFA)

VISUAL ARTS

Advanced Visual Arts Studio
[MAC] Visual, Performing, and Applied Arts
2 Semesters - 2.0 Credits
Course # 20527, 20528
Grades: 10, 11, 12
Prerequisites: None
Location: Kalamazoo Institute of Arts
Take advantage of the professional facilities, equipment, and experience of master guest artists at the Kalamazoo Institute of Arts. This studio class offers advanced study in a variety of disciplines, including sculpture, oil painting, jewelry, photography, welding, printmaking, ceramics, and other related arts. Develop a Visual Arts Portfolio and learn presentation skills to apply for college scholarships, student art shows, and public art opportunities. This advanced class is designed for juniors and seniors who possess strong artistic skills and wish to explore their style in greater depth, while considering how creativity will be applied in their future endeavors.

Visual Arts Exploration
[MAC] Visual, Performing, and Applied Arts
2 Semesters - 2.0 Credits
Course # 20501
Grades: 10, 11, 12
Prerequisites: None
Location: Kalamazoo Institute of Arts
Further develop art-making skills by creating sculpture, photography, jewelry, painting, and more at the Kalamazoo Institute of Arts. Students will work alongside practicing professional artists as they share their art mastery and expertise. This class is ideal for juniors and seniors who have taken drawing and some foundational high school art classes and are interested in expanding their art comprehension and artistic skills.

Early/Middle College (EMC) Programs

2026-2027

Kalamazoo County Early/Middle College Program Overview

Overview
The Early/Middle College (EMC) program is an opportunity for students to earn an associate's degree or certificate along with their high school diploma. Students will be able to save both time and money as they pursue a college degree and access support services designed to enhance their success as they work towards achieving their educational goals.

How does EMC work?
Students are enrolled in a focused program of study at Kalamazoo Valley Community College. Students have an additional 13th year of high school for program completion. The local school district pays the tuition and fees up to an allocated amount.

The EMC program is structured so that students gradually increase their exposure to college courses over a five-year span:

- Initially (9th/10th grades), the bulk of the student schedule will be comprised of traditional high school classes.
- As the student progresses through their educational plan, they will be exposed to more and more college courses.
- By the time they reach 13th grade (or 5th year), all of their coursework will be on-site at Kalamazoo Valley Community College.

What additional supports are available through EMC?
Students who participate in EMC also receive support services to assist them in their transition from high school to college:

- All EMC students take a College Success Strategies Course in 10th grade to enhance their academic preparation, study skills development, and social maturity skills.
- All EMC students have a coach that they meet with regularly.

What programs are available?
Students may participate in one of the following programs. For specific options within each program, please refer to the EMC website at www.kresa.org/emc.

Edmentum Courseware

Edmentum Courseware was adopted in the spring of 2023 as a replacement for our previous credit recovery program, Pearson Gradpoint. Courseware offers an engaging and relevant curriculum for a variety of courses allowing students to earn initial and recovery credits. The KPS courses from Courseware are below.

Course #	Course Name	Course #	Course Name	Course #	Course Name
	Accounting	30102CW	English 9 A - CW	60601CW	Music Appreciation - CW
50002CW	Accelerate to Algebra A - CW	30103CW	English 9 B - CW	40521CW	Nutrition and Wellness - CW
	African American Studies	30202CW	English 10 A - CW	65611CW	Personal Fitness
50102CW	Algebra I A - CW	30203CW	English 10 B - CW	70302CW	Physics A - CW
50103CW	Algebra I B - CW	30302CW	English 11 A - CW	70303CW	Physics B - CW
50302CW	Algebra II A - CW	30303CW	English 11 B - CW	70612CW	Physiology - CW
50503CW	Algebra II B - CW	30402CW	English 12 A - CW	50522CW	Precalculus A - CW
70613CW	Anatomy - CW	30403CW	English 12 B - CW	50523CW	Precalculus B - CW
80521CW	Anthropology I - CW		Environmental Science A - CW	50531CW	Probability and Statistics - CW
80651CW	Anthropology II - CW		Environmental Science B - CW		Psychology
10251CW	Art History & Appreciation - CW	50542CW	Financial Mathematics A - CW	40531CW	Real World Parenting - CW
	Basic Marketing	50543CW	Financial Mathematics B - CW	80561CW	Sociology - CW
70104CW	Biology A - CW	70534CW	Forensic Science I - CW	90112CW	Spanish I A - CW
70105CW	Biology B - CW	70535CW	Forensic Science II - CW	90113CW	Spanish I B - CW
	Business Information Systems A	90212CW	French I A - CW	90122CW	Spanish II A - CW
1101CW	Career Discovery - CW	90213CW	French I B - CW	90123CW	Spanish II B - CW
70201CW	Chemistry Foundations - CW	50202CW	Geometry A - CW		Sports and Entertainment Management
50551CW	Consumer Mathematics- CW	50203CW	Geometry B - CW		Theatre Improv and Scriptwriting
30501CW	Creative Writing - CW		Graphic Design		Visual Arts Exploration
	Digital Photo Art	80302CW	Government A - CW	80202CW	US History A - CW
10622CW	Digital Photography 1a: Introduction - CW	80303CW	Government B - CW	80203CW	US History B - CW
10623CW	Digital Photography 2 - CW	45101CW	Health - CW	80102CW	World History A - CW
70514CW	Earth and Space Science A - CW	45301CW	Health Science: Whole Individual - CW	80103CW	World History B - CW
70515CW	Earth and Space Science B - CW		Illustration		Young Entrepreneurs of the Future
80311CW	Economics - CW		Introduction to Visual Arts		

English

Key: [R] – Required Course **[AP] – Advanced Placement** **[W] Weighted Grade Points**
[C] – Eligible for college credit by passing the AP Exam

Four (4.0) credits are required for graduation:
Graduation requirements include four (4.0) credits in English during grades 9-12. Specific English course options are required each year in grades 9-12.

9th Grade	10th Grade	11th Grade	12th Grade
English 9 ***OR*** Honors English 9	English 10 ***OR*** Honors English 10	English 11 ***OR*** Honors English 11 ***OR*** AP English Language	English 12 ***OR*** College English ***OR*** AP English Literature ***OR*** AP English Language ***OR*** Advanced Journalism

Current English Courses

Course	Credits
Advanced Journalism	0.5
AP English: Language & Composition	1.0
AP English: Literature & Composition	1.0
African American Literature	0.5
College English	1.0
Creative Writing*	0.5
English 9 (A & B)	1.0
English 10 (A & B)	1.0
English 11 (A & B)	1.0
English 12 (A & B)	1.0
Honors English 9 (A & B)	1.0
Honors English 10 (A & B)	1.0
Honors English 11 (A & B)	1.0
Journalism*	0.5
Literacy Across the Content Areas	1.0
Literacy Essentials in the Secondary Classroom	0.5
Literature Through Films*	0.5
Novels of Choice	0.5
Strategic Reading	0.5
Yearbook*	1.0

English

Key: [R] – Required Course [AP] – Advanced Placement [W] Weighted Grade Points
[C] – Eligible for college credit by passing the AP Exam

Current Performance English Courses	
Advanced Drama*	1.0
Advanced Improvisation	0.5
Debate*	0.5
Drama*	0.5-1.0
Forensics*	0.5
Public Speaking*	0.5
Slam Poetry: Writing and Performance*	0.5
*These courses can be used toward fulfilment of the Visual, Performing, and Applied Arts credit to meet MMC.	

Literacy Academic Support Courses

Literacy Across the Content Areas
2 Semesters • 1.0 Credit
Course #: 3004-45
Co-requisite: Core Content Courses
This class focuses on developing reading comprehension, word identification strategies, and writing process skills necessary for success in English and cross curricular courses. Students will receive instruction based on diagnostic and content based assessments.

Literacy Essentials in the Secondary Classroom
1 Semester 0.5 Credit
Course #: 3002-456
Co-requisite: English 9
This course is designed to help students improve their independent reading level and increase reading comprehension, word identification strategies, and fluency. This class provides balanced literacy instruction in reading and writing. Students will receive instruction based on diagnostic assessments to increase their instructional level using read-alouds, shared reading, guided reading and independent reading. Genre studies will include fiction, nonfiction, articles, textbooks and other written material. Successful completion of the course will help students succeed in cross curricular classes.

Strategic Reading
1 Semester 0.5 Credits
Course #: 3001-789
Co-requisite: English 9
This course focuses on the foundational areas of literacy instruction: individual reading growth, reading comprehension and critical thinking, word knowledge and vocabulary, speaking and writing about selected texts, and reading topics. Students will receive instruction based on diagnostic assessments to increase their reading and writing.

English

Key: [R] – Required Course [AP] – Advanced Placement [W] Weighted Grade Points
[C] – Eligible for college credit by passing the AP Exam

9th Grade Required English Courses

[R] English 9 A
1 Semester • 0.5 Credit
Course #: 3010-2
Prerequisite: None
This course is the first section of a two-semester 9th grade English requirement. This course meets the English requirement for all 9th grade students in their first year of high school. It is a foundation course in basic literary exploration, composition and language study, focusing particularly on writing process, reading process, academic vocabulary and poetic forms, archaic language, and dramatic theory.

AND

[R] English 9 B
1 Semester • 0.5 Credit
Course #: 3010-3
Prerequisite: English 9 A
This course is the second section of a two-semester 9th grade English requirement. This course meets the English requirement for all 9th grade students in their first year of high school. It is a foundation course in dramatic theory, historical context as it applies to literature, memoir, epic poetry, archaic language, and character analysis.

OR – Honors Level

Honors English 9 A
1 Semester • 0.5 Credit
Course #: 3012-2
Prerequisite: None
This course is the first section of a two-semester 9th grade Honors English requirement. This course meets the English requirement for all 9th grade students in their first year of high school. It is an advanced foundations course blending anchor texts with linking texts that focus particularly on writing process, reading strategies, vocabulary, and poetic forms. Study has rigorous, accelerated pacing and is independently driven.

AND

Honors English 9 B
1 Semester • 0.5 Credit
Course #: 3012-3
Prerequisite: Honors English 9 A
This course is the second section of a two-semester 9th grade Honors English requirement. This course meets the English requirement for all 9th grade students in their first year of high school. It is an advanced foundations course blending anchor texts with linking texts that focus particularly on dramatic theory, historical context as it applies to literature, memoir, epic poetry, archaic language, and character analysis. Study has rigorous, accelerated pacing and is independently driven.

English

Key: [R] – Required Course [AP] – Advanced Placement [W] Weighted Grade Points
[C] – Eligible for college credit by passing the AP Exam

10th Grade Required English Courses

[R] English 10 A
1 Semester • 0.5 Credit
Course #: 3020-2
Prerequisite: none

English 10 Section A is an exploration of American literature, focusing on the impact that history has had on its development. The course invites students to become more analytical readers and writers, engaging with a variety of literary texts, including short stories, poetry, and novels, while examining the historical contexts that shaped these works. By the end of English 10A, students will not only have a better understanding of American literature and its historical influences but will also be equipped with critical thinking, digital literacy, research, reading, writing, and oral communication skills that are essential for their academic and personal growth.

AND

[R] English 10 B
1 Semester • 0.5 Credit
Course #: 3020-3
Prerequisite: English 10 A

The goal of English 10 Section B is to continue to build upon knowledge, skills, and strategies gained in English 10A. The course further explores a diverse selection of American literature, including but not limited to American speeches, dramas, and novels, with a strong thematic focus on justice and the American Dream. Through this exploration, students will deepen their understanding of the historical context that has influenced these themes. Additionally, by the end of English 10B, students will be equipped with critical thinking skills and will demonstrate these skills through digital literacy, research, reading, writing, and oral communication.

Honors English 10 A
1 Semester • 0.5 Credit
Course #: 3022-2
Prerequisite: None

Honors English 10A is a rigorous and accelerated language arts course, which is an exploration of American literature. It is a pathway for students who have previously excelled in the area of English Language Arts and have interest in taking advanced ELA courses such as AP Literature and/or AP Language and Composition. The goal of this course is to challenge students as they become more analytical readers and writers, engaging with a variety of literary texts, including short stories, poetry, and novels, while examining the historical contexts that shaped these works. By the end of Honors English 10A, students will not only have a better understanding of American literature and its historical influences but will also be equipped with advanced critical thinking, digital literacy, research, reading, writing, and oral communication skills that are essential for their academic and personal growth.

AND

Honors English 10 B
1 Semester • 0.5 Credit
Course #: 3022-3
Prerequisite: Honors English 10 A

The goal of Honors English 10B is to continue to build upon knowledge, skills, and strategies gained in Honors English 10A. It is a rigorous and accelerated language arts course, which serves as a pathway for students who have previously excelled in the area of English Language Arts and have an interest in taking advanced ELA courses such as AP Literature and/or AP Language and Composition. The course explores a diverse selection of American literature, including but not limited to American speeches, dramas, and novels, with a strong thematic focus on justice and the American Dream. Through this in-depth exploration, students will deepen their understanding of the historical context that has influenced these themes. Additionally, by the

end of Honors English 10B, students will be equipped with advanced critical thinking skills and will demonstrate these skills through digital literacy, research, reading, writing, and oral communication.

English

Key: [R] – Required Course **[AP] – Advanced Placement** **[W] Weighted Grade Points**
[C] – Eligible for college credit by passing the AP Exam

11th Grade Required English Courses

Eleventh grade students may also take AP English Language and Composition to fulfill the 11th grade requirement. See the course description on page 83.

[R] English 11 A
1 Semester • 0.5 Credit
Course #: 3030-2
Prerequisite: None
English 11A, a rigorous course, builds on the solid foundation from English 10A and 10B. The skills and strategies extend and engage the students in more complex ideas and prepare them for the Michigan Merit Exam and post-secondary experience. Students read classic texts, poetry, and drama with a special emphasis on British literature. Formative and summative assessments include essays, performances, projects, and presentations.

[R] English 11 B
1 Semester • 0.5 Credit
Course #: 3030-3
Prerequisite: English 11 A
English 11B continues to build on the various genres of classic, contemporary narrative, and informational texts read and analyzed in English 11A. Through the study of transformational literature, students connect, respond, and analyze various texts in order to reflect on personal ambitions, expectations, goals, and preparation for collegiate level studies. Formative and summative assessments will include essays, performances, and presentations. Students will engage in critical thinking activities and discussion around complex contemporary issues.

OR – Honors Level

Honors English 11 A
1 Semester • 0.5 Credit
Course #: 3032-2
Prerequisite: None
Honors English 11A, an accelerated course focusing on British and Post-Colonial literature, builds on the solid foundation from Honors English 10A and 10B. The skills and strategies extend and engage students in more complex ideas in preparation for the Michigan Merit Exam, College English, AP Literature and/or AP Language and Composition, and the post-secondary experience. Students read classic literature that includes Chaucer and Shakespeare. Students use informational texts to master the argumentative essay. Formative and summative assessments include essays, performances, projects, and presentations.

AND

Honors English 11 B
1 Semester • 0.5 Credit
Course #: 3032-3
Prerequisite: Honors English A
Honors English 11B continues to build on the various genres of classic, contemporary narrative, and informational texts read and analyzed in Honors English 11A. Through study of transformational literature, students expand their analysis to include historical and cultural perspectives. Students provide in-depth response and analysis to various texts in order to reflect on personal ambitions, expectations, goals, and preparation for collegiate level studies. Students read contemporary narratives that may include Swift, Orwell, Dangarembga, and Bellamy. Formative and summative assessments will include essays, performances, and presentations.

English

Key: [R] – Required Course [AP] – Advanced Placement [W] Weighted Grade Points
[C] – Eligible for college credit by passing the AP Exam

12th Grade English Courses

Each 12th grader is required to choose one (1) of the following English courses during their senior year to complete the graduation requirement: English 12, College English, Advanced Journalism, AP English Literature and Composition, or AP English Language and Composition.

English 12 A
1 Semester • 0.5 Credit
Course #: 3040-2
Prerequisite: English 11
English 12 focuses on contemporary literature that addresses social issues and explores the relationship between the individual and society. Students will learn a variety of literary theories as tools to critically analyze texts and the world around them from multiple perspectives. In English 12A, students will read and write about texts that explore the forces and experiences that shape identity. Students will develop a more complex understanding of identities, beyond the categories that are often applied to them. Students will explore how cultural norms, dominant versus marginalized status, and the intersectionality of identities influence how individuals understand themselves and how society views them.

AND

English 12 B
1 Semester • 0.5 Credit
Course #: 3040-3
Prerequisite: English 12 A
In English 12B, students will examine ideas of justice and injustice on a systemic level, analyzing how identity and power play a role in the legal system, the labor market and schools. Students will read texts that explore both systems of oppression and social justice movements in different contexts. Finally, students will complete a cumulative research project around a social issue in order to create a plan of action for change.

OR

College English A
1 Semester • 0.5 Credit
Course #: 3042-2
Prerequisite: None
This course is recommended for seniors who have had some work in Honors English courses. It introduces students to extensive reading in world literature and humanities. A re-emphasis and extension of writing skills will focus on style and logic. Both problem solving and research papers are required.

AND

College English B
1 Semester • 0.5 Credit
Course #: 3042-3
Prerequisite: College English A
This is the second section of College English.

English

Key: [R] – Required Course [AP] – Advanced Placement [W] Weighted Grade Points
[C] – Eligible for college credit by passing the AP Exam

English Electives

African-American Literature
1 Semester • 0.5 Credit
Course #: 3062-1
Prerequisite: None
This is an exploratory course that examines the writings and teachings of African-American literary figures. The course will begin with the Harlem Renaissance and move through the decades, ending with the current times. Through the use of guest speakers, short stories, novels and films, the social political and historical perspectives of African-Americans will be examined.

Creative Writing
[MAC] Visual, Performing & Applied Arts
1 Semester • 0.5 Credit
Course #: 3050-1
Prerequisite: None
This course focuses on the writing of prose and poetry. While the works of professional writers will be examined, primary emphasis will be on developing the student's own writing style, technical vocabulary, and critical analysis. Students should expect an intensive writing experience, both in and out of class.

Journalism
[MAC] Visual, Performing & Applied Arts
1 Semester • 0.5 Credit
Course #: 3056-1
Prerequisite: None
This introductory course is for students who wish to participate in the production of school publications or are considering a professional career in journalism. Students will study journalism ethics, student press law and writing in the categories of news, editorial, feature and sports. Photojournalism and desktop publishing will also be topics of study.

Advanced Journalism
[MAC] Visual, Performing & Applied Arts
1 Semester • 0.5 Credit
Course #: 3057-456
Prerequisite: Journalism
Scheduling Note: May be elected for 1 or 2 semesters.. A minimum of two consecutive semesters is recommended.
This is an advanced skills course for students producing the school newspaper. Writing, typing, photography, page design, and advertising sales are included.

Literature Through Films
[MAC] Visual, Performing & Applied Arts
1 Semester • 0.5 Credit
Course #: 3058-1
Prerequisite: None
Students will explore various models of discourse using film. Students will develop analytical writing skills in critical review of the literature.

Novels of Choice
1 Semester • 0.5 Credit
Course #: 3059-1
Prerequisite: None
This course stresses reading and writing. Students will select and read novels of their choice from the list of books approved by KPS and analyze them, both verbally and in writing.

English

Key: [R] – Required Course [AP] – Advanced Placement [W] Weighted Grade Points
[C] – Eligible for college credit by passing the AP Exam

Yearbook
[MAC] Visual, Performing & Applied Arts
2 Semesters • 1.0 Credits
Course #: 1570-789

Yearbook may be offered as an extra-curricular activity for no credit. Check with your counselor.

Prerequisite: Application and yearbook instructor recommendation is required. Students should have experience and be able to demonstrate their skills in one or more of the following: computer, typing, photography, operation of cameras, and writing.
This course may be elected more than once. May be offered as an extracurricular activity for no credit. Check with your counselor. Students participate in the production of the school yearbook. Students are responsible for photography, layout, copywriting, advertising, and book sales.

Performance English Electives

Debate
[MAC] Visual, Performing & Applied Arts
1 Semester • 0.5 Credit Course #: 3051-1 Prerequisite: None
Students will learn the fundamentals of debating. Debate classes will either explore Legislative or Policy Debate styles. The class will develop extensive research skills, abilities in proper procedure, and effective strategies for persuasive speaking. Students will judge, and be judged, by their peers on argumentation ability, delivery style, knowledge of the topic, and decorum. Participation at a local tournament may be required.

Drama I – Acting for the Stage
[MAC] Visual, Performing, and Applied Arts
1 Semester • 0.5 Credit
Course #: 3052-1
Prerequisite: None
Students will study acting fundamentals and techniques by exploring movement, characterization and improvisation. Dramatic plays, playwriting, and voice work will also be incorporated. These studies will culminate in the presentation of memorized scenes and a final monologue performance. Other opportunities include auditioning for the school play, the musical, forensics, improvisation team, or working backstage for stage crew. Please note: participation in performances during and outside of the school day, possibly occurring in the evening or on the weekend, is a required expectation of this course and part of the overall grade.

Drama II – Acting for the Stage
[MAC] Visual, Performing & Applied Arts
1 Semester • 0.5 Credit
Course #: 3053-1
Prerequisite: Drama I - Acting for the Stage
Students will explore dramatic elements such as comedy and the power of storytelling coupled with play analysis and the rehearsal process, ending with a student produced final production. Other opportunities include auditioning for the school play, the musical, forensics, impromptu team, or working backstage for stage crew. Please note: participation in performances during and outside of the school day, possibly occurring in the evening or on the weekend, is a required expectation of this course and part of the overall grade.

Advanced Drama I
1 Semester • 0.5 Credit
Course #: 3054-4
Grades: 10, 11, 12
Prerequisites: Drama I - Acting for the Stage and Drama II - Acting for the Stage
Scheduling Note: It is recommended that these courses are taken sequentially for the purpose of developing ensembles.
Students will develop their acting skills in an intense classroom setting. Students will work on advancing their improv skills and developing as an ensemble. The actors will examine the script writing process while working to advance their auditioning and directing techniques. The first section of the course will culminate in a workshop or performance. Please note: participation in performances during and outside of the school day, possibly occurring in the evening or on the weekend, is a required expectation of this course and part of the overall grade.

English

Key: [R] – Required Course [AP] – Advanced Placement [W] Weighted Grade Points
[C] – Eligible for college credit by passing the AP Exam

Advanced Drama II
1 Semester • 0.5 Credit
Course #: 3054-5
Grades 10, 11, 12
Prerequisite: Advanced Drama I
This course is a continuation of Advanced Drama I with a concentrated focus on creating an audition portfolio, scene study, and writing, directing, and acting in a final public performance piece. Please note: participation in performances during and outside of the school day, possibly occurring in the evening or on the weekend, is a required expectation of this course and part of the overall grade.

Advanced Improvisation
1 Semester • 0.5 Credit
Course #: 3054-6
Prerequisite: Drama II
Scheduling Note: This course may be repeated
This course is designed for students interested in developing and advancing their skills in the art of improvisation theatre. Students will also study and generate from Improv Olympics, Second City, and Upright Citizens Brigade for source materials. Students will create and write sketch comedy on top of creating and working with local artists to develop strong collaborative and community connections. Please note: participation in performances during and outside of the school day, possibly occurring in the evening or on the weekend, is a required expectation of this course and part of the overall grade.

Forensics
[MAC] Visual, Performing & Applied Arts
1 Semester • 0.5 Credit
Course #: 3055-1
Prerequisite: None
Scheduling Note: This course may be repeated
Students will master the techniques for competition in individual speaking events including humorous, dramatic and multiple reading, extemporaneous speaking, oratory, and informative speaking. Please note: participation in performances during and outside of the school day, possibly occurring in the evening or on the weekend, is a required expectation of this course and part of the overall grade.

Public Speaking
[MAC] Visual, Performing & Applied Arts
1 Semester • 0.5 Credit
Course #: 3060-1
Prerequisite: None
Scheduling Note: This course may be repeated
This course offers the student strategies and skills on how to become a better, more articulate speaker. Each student will present individual speeches throughout this course and learn how to critique themselves as well as their peers. Preparation includes research, outlining, and writing. This class is recommended for students interested in Debate, Mock Trial, Forensics, and Model United Nations. Please note: participation in performances during and outside of the school day, possibly occurring in the evening or on the weekend, is a required expectation of this course and part of the overall grade.

Slam Poetry: Writing and Performance
[MAC] Visual, Performing & Applied Arts
1 Semester • 0.5 Credit
Course #: 3061-1
Prerequisite: None
Scheduling Note: This course may be repeated.
A course of study in advanced poetry writing, with an emphasis on performance. This class will teach students to develop individual poems based on life experience, current events, political trends, and social interaction. Students will then learn a variety of reading and performance techniques designed to accentuate the quality of their written work. Please note: participation in performances during and outside of the school day, possibly occurring in the evening or on the weekend, is a required expectation of this course and part of the overall grade.

English

Key: [R] – Required Course [AP] – Advanced Placement [W] Weighted Grade Points
[C] – Eligible for college credit by passing the AP Exam

Advanced Placement Courses

[W]= Weighted Grade Value (see page 24)
[C] = College Credit Available - *Students can earn college credit by taking any of the following Advanced Placement courses and passing the AP Exam.*

Advanced Placement courses are intended for students in grades 10-12.

Due to the rigor of AP courses, students are strongly encouraged to complete a summer assignment as suggested by the AP teacher. Content from summer assignments will be included on an assessment during the first semester A packet with detailed course information is available in the principal's office.

[AP] [W] [C] Advanced Placement English: Language and Composition
2 Semesters 1.0 Credits
Course #: 3091-789
Prerequisite: None
This course will enable students to write effectively and confidently in their college courses and in their professional life. It emphasizes expository, analytical, and argumentative writing and reading of non-fiction articles, essays, and full-length works. Students will learn to analyze and synthesize this material and to use conventions correctly to cite works in MLA, Chicago, and APA styles. The course will help students move beyond the typical five-paragraph essay and to write more maturely. This course may be taken by itself or followed by AP English: Literature and Composition.

[AP] [W] [C] Advanced Placement English: Literature and Composition
2 Semesters 1.0 Credits
Course #: 3092-789
Prerequisite: None
Students are introduced to writing styles which are adaptable to different college level writing needs. Included are the reading and oral/written analysis of varieties of discursive prose with the purpose of enabling students to produce effective writing. Students develop critical standards for appreciation of any literary work.

English Language Development (ELD)

Current English Language Development Courses

Course	Credits
ELD 1: Entering (A & B)	1.0
ELD 2: Emerging (A & B)	1.0
ELD 3: Developing (A & B)	1.0
ELD 4: Expanding (A & B)	1.0

ELD 1 - Entering

ELD 1: Entering A
1 Semester • 0.5 Credit
Course #: 3510-7
Prerequisite: Must have approval of the Multilingual Learner staff Dean of Students
This introductory course focuses on building foundational English language skills for students at the Entering proficiency level. Emphasis is placed on developing basic listening and speaking abilities, including the use of simple vocabulary and sentence structures. Students will learn to respond to greetings, follow simple instructions, and engage in basic conversations about immediate needs. Visual aids and interactive activities are integral to fostering comprehension and engagement. Successful completion of ELD 1: Entering A earns an English elective credit.

ELD 1: Entering B
1 Semester • 0.5 Credit
Course #: 3510-8
Prerequisite: Must have approval of the Multilingual Learner staff bilingual staff and Dean of Students
This course builds upon the foundational skills developed in ELD 1: Entering A. Students will expand their vocabulary and begin constructing slightly more complex sentences. The focus shifts to improving comprehension of simple written texts and engaging in brief, structured dialogues. Students will also begin to explore the basics of English grammar, such as articles, prepositions, and subject-verb agreement. Successful completion of ELD 1: Entering B earns an English elective credit.

ELD 2 - Intermediate

These courses are designed for students who place at level 2 or 3 on the WIDA (English Language Proficiency Assessment).

ELD 2: Emerging A
1 Semester • 0.5 Credit
Course #: 3520-7
Prerequisite: Must have approval of the Multilingual Learners staff and Dean of Students
Designed for students at the Emerging proficiency level, this course introduces the ability to express ideas using short phrases and simple sentences. Students will engage in structured conversations, comprehend basic texts, and practice forming questions and responses in familiar contexts. Instruction includes collaborative tasks and frequent opportunities to use new vocabulary in practical scenarios. Successful completion of ELD 2: Emerging A earns English 9A credit.

ELD 2: Emerging B
1 Semester • 0.5 Credit
Course #: 3520-8
Prerequisite: Must have approval of the Multilingual Learners staff and Dean of Students
This course builds upon the skills developed in ELD 2: Emerging A. Students will focus on constructing more accurate and longer sentences, improving their ability to narrate events and describe routines. The curriculum emphasizes reading comprehension through slightly longer passages and the development of short written paragraphs. Students will gain confidence in using English in both social and academic settings. Successful completion of ELD 2: Emerging B earns English 9B credit.

English Language Development (ELD)

ELD 3 - Developing

These courses are designed for students who place at level 3 or 4 on the WIDA (the English Language Proficiency Assessment).

ELD 3: Developing A
1 Semester • 0.5 Credit
Course #: 3530-7
Prerequisite: Must have approval of the Multilingual Learners staff and Dean of Students
This course focuses on developing skills to analyze literature and informational texts. Students will learn to identify themes, central ideas, and key details in grade-appropriate texts. Writing instruction emphasizes constructing organized multi-paragraph essays, including argumentative and narrative forms. Speaking and listening activities include collaborative discussions and short oral presentations. Grammar instruction targets sentence variety, coherence, and the correct use of conventions. Successful completion of ELD 3: Developing A earns English 10A credit.

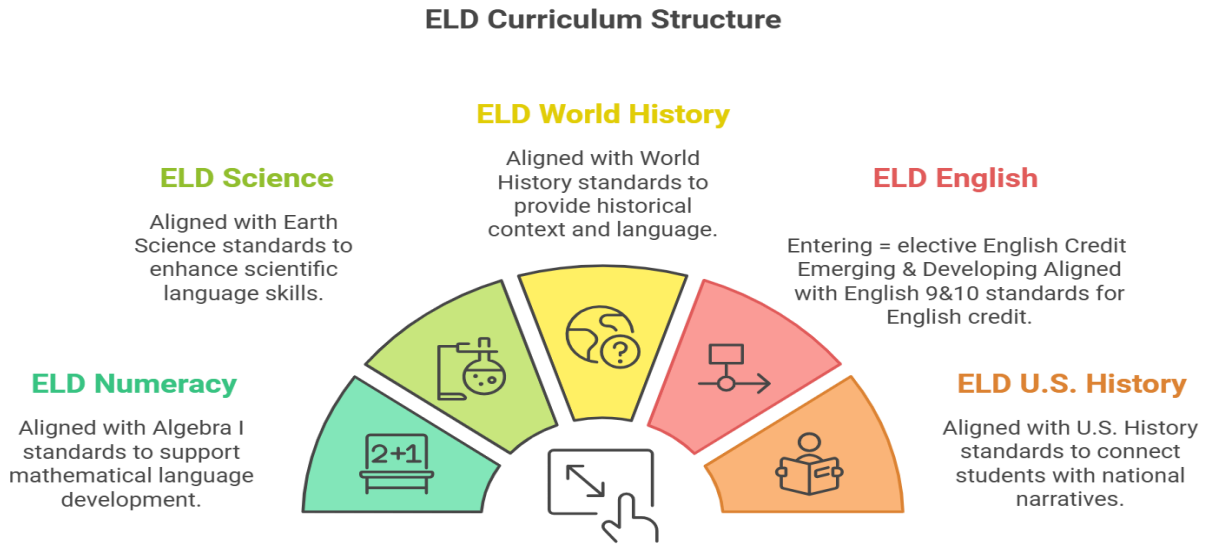
ELD 3: Developing B
1 Semester • 0.5 Credit
Course #: 3530-8
Prerequisite: Must have approval of Multilingual Learners staff and Dean of Students
This course builds on the skills from ELD 3: Developing A. Students will analyze complex texts, evaluate arguments, and synthesize information across multiple sources. Writing instruction includes argumentative essays with supporting evidence and narrative writing that uses dialogue and descriptive details. Students will also deliver structured oral presentations, integrating multimedia where appropriate. Advanced grammar topics such as verb tenses, parallel structure, and transitions are introduced. Successful completion of ELD 3: Developing B earns English 10B credit.

ELD 4 - Expanding

ELD 4: Expanding A
1 Semester • 0.5 Credit
Course # 35024
Prerequisite: Must have approval of Multilingual Learners staff and Dean of Students
This course focuses on refining academic language skills. Students will engage in detailed analysis of literary and informational texts, identifying how authors use structure, figurative language, and rhetorical devices to achieve purpose. Writing assignments emphasize constructing persuasive, expository, and narrative essays with textual evidence. Collaborative discussions and debates are designed to enhance speaking and listening skills. Grammar instruction includes complex sentence structures and advanced usage of conventions. Successful completion of ELD 4: Expanding A earns an English elective credit.

ELD 4: Expanding B
1 Semester • 0.5 Credit
Course # 35025
Prerequisite: Must have approval of Multilingual Learners staff and Dean of Students
Building upon ELD 4: Expanding A, this course prepares students for mainstream academic coursework. Students will analyze themes and arguments across texts, compare multiple perspectives, and evaluate authorial choices. Writing tasks include research-based essays and formal reports, integrating citation and evidence. Speaking and listening activities include delivering persuasive presentations and participating in formal debates. Instruction emphasizes nuanced grammar use, such as conditional clauses and passive voice. Successful completion of ELD 4: Expanding B earns an English elective credit.

English Language Development - Integrated



High-quality education for newcomer students builds on their unique strengths and supports their development in ways that enable them to reach their full potential. Newcomers who need to develop English proficiency require instruction that addresses the simultaneous development of English proficiency and grade-level concepts and skills. English Language Development (ELD) is guided by the WIDA ELS Standards Framework that is centered on equity and fosters the assets, contributions, and potential of multilingual learners.

Current English Language Development Integrated Courses		
Course	**Course Equivalency**	**Credits**
ELD Literacy (A & B)		1.0
ELD Numeracy (A & B)	Algebra I	1.0
ELD Science (A & B)	Earth Science	1.0
ELD Social Studies United States History (A & B)	United States History	1.0
ELD Social Studies World History (A & B)	World History	1.0

English Language Development - Integrated

ELD Literacy A
1 Semester • 0.5 Credit
Course #: 354307
Prerequisite: Approval of Multilingual Learners staff and Dean of Students
This course is tailored to support Multilingual Learners (MLs) in developing essential literacy skills in the English language. This course offers a comprehensive approach to improving reading, writing, listening, and speaking skills. Through engaging activities and interactive lessons, students will gain confidence and proficiency in the fundamental aspects of English Language Arts (ELA) to enhance their academic and everyday communication abilities. Students are provided interactive and collaborative opportunities to express their own ideas as well as to question, interpret and evaluate the ideas of others.

ELD Literacy B
1 Semester • 0.5 Credit
Course #: 354308
Prerequisite: Approval of Multilingual Learners staff and Dean of Students
This course is tailored to support Multilingual Learners (MLs) in developing essential literacy skills in the English language. This course offers a comprehensive approach to developing strategies for understanding and analyzing a wide range of texts, from fiction to informational materials. Fostering the ability to analyze, evaluate, and respond critically to literary and information texts. Through engaging activities and interaction lessons, students will gain confidence and proficiency in the fundamental aspects of English Language Arts (ELA) to enhance their academic and everyday communication abilities. Students are provided interactive and collaborative opportunities to express their own ideas as well as to question, interpret and evaluate the ideas of others.

ELD Numeracy A (Algebra I A)
1 Semester • 0.5 Credit
Course #: 354507
Prerequisite: Approval of Multilingual Learners staff and Dean of Students
This first semester course introduces foundational algebraic concepts, such as solving linear equations, graphing functions, and understanding proportional relationships. Students will build key academic vocabulary and comprehension of math-specific language while developing problem-solving strategies. Instruction emphasizes scaffolded support, real-world applications, and collaborative learning to ensure multilingual learners achieve success. Successful completion of ELD Numeracy A earns Algebra IA credit.

ELD Numeracy B (Algebra I B)
1 Semester • 0.5 Credit
Course #: 354508
Prerequisite: Approval of Multilingual Learners staff and Dean of Students
Building on ELD Numeracy A, this second semester course delves deeper into algebraic concepts, including quadratic equations, inequalities, and systems of equations. Students continue to enhance their mathematical reasoning and academic language skills, focusing on applying concepts to real-world scenarios. Instruction includes peer collaboration, data analysis, and preparation for further mathematics coursework. Successful completion of ELD Numeracy B earns Algebra IB credit.

ELD Science A (Earth Science A)
1 Semester • 0.5 Credit
Course #: 354702
Prerequisite: Approval of Multilingual Learners staff and Dean of Students
This first semester course focuses on core Earth Science topics, such as weather patterns, the water cycle, and ecosystems. Students develop academic language skills to explain scientific phenomena, interpret data, and describe natural processes. Instruction is scaffolded with hands-on activities and visual support to make complex content accessible for multilingual learners. Successful completion of ELD Science A earns Earth Science A credit.

English Language Development - Integrated

ELD Science B (Earth Science B)
1 Semester • 0.5 Credit
Course #: 354703
Prerequisite: Approval of Multilingual Learners staff and Dean of Students
The second semester builds on ELD Science A, covering topics such as plate tectonics, Earth's resources, and environmental change. Students refine their academic language skills by analyzing scientific data, constructing explanations, and engaging in collaborative projects. This course prepares students for advanced science coursework. Successful completion of ELD Science B earns Earth Science B credit.

ELD Social Studies – United States History A
1 Semester • 0.5 Credit
Course #: 3548022
Prerequisite: Approval of Multilingual Learners staff and Dean of Students
This first semester course introduces key themes in U.S. history, from the colonial period through the Civil War. Aligned with U.S. History standards, students build academic language skills while analyzing primary sources, constructing timelines, and engaging in discussions about historical events. Instruction includes scaffolded activities to support multilingual learners in understanding the foundations of American history. Successful completion of ELD United States History A earns United States History A credit.

ELD Social Studies – United States History B
1 Semester • 0.5 Credit
Course #: 3548023
Prerequisite: Approval of Multilingual Learners staff and Dean of Students
The second semester builds on ELD U.S. History A, covering Reconstruction, industrialization, and the Civil Rights Movement. Students refine their academic vocabulary and critical thinking skills by evaluating historical texts, participating in debates, and producing written analyses of key events. Successful completion of ELD United States History B earns United States History B credit.

ELD Social Studies – World History A
1 Semester • 0.5 Credit
Course #: 3548012
Prerequisite: Approval of Multilingual Learners staff and Dean of Students
In this first semester course, students explore the foundations of world history, including early civilizations, cultural exchanges, and the rise of major empires. Aligned with World History standards, the course focuses on developing academic vocabulary, reading historical texts, and engaging in discussions. Students practice critical thinking by analyzing primary sources and making connections to modern global issues. Successful completion of ELD World History A earns World History A credit.

ELD Social Studies – World History B
1 Semester • 0.5 Credit
Course #: 3548013
Prerequisite: Approval of Multilingual Learners staff and Dean of Students
The second semester expands on the themes of ELD World History A, focusing on major revolutions, industrialization, and global conflicts. Students refine their language skills through argumentative writing, group projects, and oral presentations. The course emphasizes historical analysis and prepares students for future social studies coursework. Successful completion of ELD World History B earns World History B credit.

Family and Consumer Science

Current Family and Consumer Science Courses	
Course	**Credits**
Consumer Education	0.5
Essential Living Skills (A & B)	1.0
Family, Career and Community Leaders of America (FCCLA) Exploration (A & B)	1.0
Food and Nutrition	0.5
Parenting (A & B)	1.0

Consumer Education
1 Semester • 0.5 Credit
Course #: 4050-1
Prerequisite: None
This course offers students an opportunity to meet the challenges of an independent lifestyle. Emphasis is placed on responsible consumer decision making in areas of transportation, housing, insurance, and credit use. Learning activities include managing balancing a checking account, selecting and evaluating credit needs, renting apartments, and other real life simulations.

Essential Living Skills A
1 Semester • 0.5 Credit
Course #: 4051-2
Prerequisite: None
This course is for students who desire to explore a more in-depth view of the many areas that life management encompasses. Students will learn about employability skills, family, career and community roles, and responsibilities as a consumer. Students will also learn about conditions that influence human growth and development as well as ways to take responsibility for their overall nutrition and wellness.

AND

Essential Living Skills B
1 Semester • 0.5 Credit
Course #: 4051-3
Prerequisite: None
Students will learn how to demonstrate respectful, caring relationships, and leadership skills in the family, workplace and community. Students will examine the roles and responsibilities of different types of relationships, such as employee/ employer, family and friendships. Additionally, students will learn how to communicate in a way that promotes positive relationships. Students will also participate in many hands-on learning activities.

Family and Consumer Science

Family, Career and Community Leaders of America (FCCLA) Exploration A
[MAC] Visual, Performing & Applied Arts
1 Semester • 0.5 Credit
Course #: 4054-*2*
Prerequisite: None
Site: Kalamazoo Central High School Only
This course is designed to promote personal growth and leadership development of students, with a focus on the multiple roles that students will have throughout their lives as a family member, wage earner, and community member. Students will develop skills for life through character development, creative and critical thinking, interpersonal communication, practical knowledge, and career preparation. Units of study will include Personal Goal Setting, Financial Fitness, Career Exploration, Employability Skills, Family Wellness, and Student Health and Wellness.

AND

Family, Career and Community Leaders of America (FCCLA) Exploration B
[MAC] Visual, Performing & Applied Arts
1 Semester • 0.5 Credit
Course #: 4054-3
Prerequisite: None
Site: Kalamazoo Central High School Only
This course is designed to promote personal growth and leadership development of students, with a focus on the multiple roles that students will have throughout their lives as a family member, wage earner, and community member. Students will develop skills for life through character development, creative and critical thinking, interpersonal communication, practical knowledge, and career preparation. Units of study will include: Community Service, Community Traffic Safety, Violence Prevention, and Dynamic Leadership.

Food and Nutrition
[MAC] Visual, Performing & Applied Arts
1 Semester • 0.5 Credit
Course #: 4052-1
Prerequisite: None
This course provides a basic comprehensive overview on food and nutrition, wellness, consumer skills, food preparation, food safety, and food science. The course will also assist students in considering the complexity of their environment and overall wellness in making choices about diet and behavior. Areas of instruction include basic methods of cooking and introduction to the food pyramid including health food selection practices.

Parenting A
[MAC] Visual, Performing & Applied Arts
1 Semester • 0.5 Credit
Course#: 4053-2
Prerequisite: None
This course focuses on important issues related to raising and working with healthy, productive children and building positive parent-child relationships. Units of study focus on the roles and responsibilities of parenthood, the physical and emotional factors related to parenting, and preparing for childhood. Instructional strategies will include numerous hands-on projects and real-life simulations including the “Baby-Think-It-Over” program. Traits of healthy families are identified and explored, including pregnancy nutrition and care. Students planning on working with children in a personal and/or professional capacity will benefit from this course.

AND

Parenting B
[MAC] Visual, Performing & Applied Arts
1 Semester 0.5 Credit
Course #: 4053-3
Prerequisite: None
This course focuses on the following themes as it relates to parenting: the family foundation, strengthening relationships, decision-making skills, and personal development. These principles will be applied to the various ages and stages of human development. Students will also learn infant/child cardiopulmonary resuscitation (CPR) and other health and safety factors which relate to raising and working with children. Students planning on working with children in a personal and/or professional capacity will benefit from this course.

Health

Key: [R] – Required Course

Current Health Courses	
Course	**Credits**
Advanced Health	0.5
Health: A Wellness Approach	0.5

Advanced Health
1 Semester • 0.5 Credit (elective)
Course #: 4520-1
Prerequisite: Health: A Wellness Approach
This is a project-based course. Using the inquiry model of instruction, students will develop skills in the following areas as they relate to potential careers in the health field: problem-solving, communication, and research design.

[R] Health: A Wellness Approach
1 Semester • 0.5 Credit
Course #: 4510-1
Prerequisite: None
This course will provide students with the opportunity to explore a wellness approach to fitness, nutrition, mental and emotional health, drugs and alcohol, stress management and personal relationships. The topic of reproductive health, including HIV, AIDS, and STIs, will also be included. In addition, an introduction to first-aid, including CPR, will be covered.

Leadership

Current Leadership Courses	
Course	**Credits**
Future Michigan Educator Course 3	0.5
Link Crew Leadership	0.5

Future Michigan Educator Course 3
1 Semester • 0.5 Credit
Course #: 55201
Grades 9 and 10
This course is for all students who have an interest in education and educational related careers including teacher, counselor, and administrator to name a few. This course will review concepts related to cultivating healthy equitable learning communities that support a wide variety of cultures, and other socio and economic factors. This course will also have a strong experiential component where students use their skills to tutor younger students. Students that successfully complete the course will be eligible for employment in the KPS summer readiness program.

Link Crew Leadership
1 Semester • 0.5 Credit
Course #: 5510-456
Recommended for students interested in developing strong leadership skills and being a member of LINK Crew.
Students taking this course will conceive, plan, execute, and evaluate a variety of school activities relating to transition of freshmen into high school. Participants will be trained in necessary leadership and life skills such as setting and accomplishing goals; collaborating with others; effective communication; time management; meeting deadlines; and problem-solving. This course seeks to foster students' understanding of themselves and their capacity for leadership, and the importance of their leadership role in mentoring the members of the freshmen class. This course is available for repeat credit.

Mathematics

Key: [R] – Required Course [AP] – Advanced Placement [W] Weighted Grade Points
[C] – Eligible for college credit by passing the AP Exam

Four (4.0) credits are required for graduation:

Students are required to earn four (4.0) math credits to meet the graduation requirement. Included in the four credits are the required courses: Algebra I, Geometry, and Algebra II. All students must have a math experience in their final year of high school.

Current Math Courses	
Course	**Credits**
AP Calculus	1.0
AP Precalculus	1.0
AP Statistics	1.0
Algebra I (A & B)	1.0
Algebra I Support	0.5-1.0
Algebra II (A & B) or (I and II)	1.0
Algebra II (Extended)	1.5
Discrete Mathematics	0.5
Geometry (A & B)	1.0
Math Analysis	0.5
Mathematical Modeling	0.5
Personal Financial Literacy	0.5
Pre-Algebra	0.5-1.0
Precalculus (A & B)	1.0
Statistics and Probability	0.5
Strategic Mathematics	0.5
Math Related Courses	
Accounting A & B	1.0 (Students must complete A & B)
Basic Marketing A & B	1.0 (Students must complete A & B)
Business Finance	0.5
Business Information Systems A & B	1.0 (Students must complete A & B)
Chemistry Foundations	0.5
Honors Chemistry: Analytical	0.5
Honors Chemistry: Organic	0.5

Physics	1.0

Mathematics

Key: [R] – Required Course [AP] – Advanced Placement [W] Weighted Grade Points
[C] – Eligible for college credit by passing the AP Exam

Required Course for All
Grade level may vary

[R] Personal Financial Literacy
[MAC] Visual, Performing & Applied Arts
1 Semester • 0.5 Credit
Course #: 5054-1
Prerequisite: Grades 10, 11, or 12
This course is designed to help students make responsible financial choices through financial literacy. Students will learn how choices influence occupational options and future earning potential. Students will also learn to apply decision-making skills to evaluate career choices and set personal goals. The course content is designed to help the learner make wise spending, saving, and credit decisions and to make effective use of income to achieve personal financial success. Topics include creating and using a personal budget, understanding credit, personal loans, cost of independent living, being an intelligent consumer through vehicle purchasing and insurance and understanding taxes.

Math Academic Support Courses

Algebra I Support
1 Semester • 0.5 Credit or 2 Semester 1.0 Credit
Course # 50132, 50133
Corequisite: Algebra I
Algebra Support is a companion course designed to reinforce and extend the concepts learned in Algebra 1. Students will receive targeted support in areas where they need extra help, including review of pre-algebra skills, practice with current Algebra 1 topics, and development of effective study strategies. This course aims to build confidence and improve success in Algebra 1.

Pre-Algebra
1 Semester • 0.5 Credit or 2 Semester 1.0 Credit
Course # 50002, 50003
Pre-Algebra prepares students for the rigors of Algebra I by building a solid understanding of fundamental mathematical concepts. Students will explore operations with real numbers (integers, fractions, decimals), the concepts of ratios, proportions, and percentages, and develop proficiency in working with exponents. The course also introduces basic algebraic concepts such as variables, and expressions, solving basic equations, and an introduction to functions. In addition, students will explore basic concepts of data analysis, including representing data with tables and graphs, calculating measures of central tendency, and interpreting data to draw conclusions. Emphasis is placed on developing student proficiency in the Mathematical Practice Standards.

Strategic Mathematics
1 Semester • 0.5 Credit
Course #: 5001-456
Co-requisite: Algebra I
Scheduling Note: May be repeated each semester based on need
This course is designed for students to increase skills needed to be successful in mathematics. The balanced approach to mathematics in this course will provide diagnostic interventions based on individual student needs and provide support for the 'regular' math class.

Mathematics

Key: [R] – Required Course **[AP] – Advanced Placement** **[W] Weighted Grade Points**
[C] – Eligible for college credit by passing the AP Exam

9th Grade Required Courses

Note: Students who do not earn their Algebra I credit by the end of their freshman year, will have to retake Algebra I in summer school or the subsequent school year.

Students who passed Algebra I while in a KPS middle school or passed the Algebra I test out exam with a score of 70% or better will receive one (1.0) high school credit towards the Michigan Merit Curriculum and will begin their high school math sequence with Geometry.

[R] Algebra I A
1 Semester • 0.5 Credit
Course #: 5010-7
Prerequisite: None
This course provides students with an introduction to the fundamental skills and concepts of algebra, including linear functions, inequalities and systems. This course integrates the use of multiple representations including graphs, tables, and equations. Students use manipulatives and technology to further their algebraic thinking. Students learn to model and solve real-life situations with connections to geometry and statistics. This course will place an emphasis on skills like solving equations for a given variable, using equations to model real-world situations, and representing mathematical relationships in a variety of ways.

AND

[R] Algebra I B
1 Semester • 0.5 Credit
Course #: 5010-8
Prerequisite: Algebra I A
This course provides students with a continuation of the fundamental skills and concepts of algebra, including quadratic functions, exponential functions, and radical expressions. This course continues to integrate the use of multiple representations, including graphs, tables, and equations and uses manipulatives and technology to further students' algebraic thinking. Students learn to model and solve real-life situations with connections to geometry and personal finance.

10th Grade Required Courses

[R] Geometry A
[SBG] Applied
1 Semester • 0.5 Credit
Course #: 5020-2
Prerequisite: Algebra I A and Algebra I B
This course will develop students' analytical and spatial reasoning while focusing on the first half of the essential concepts of geometry such as an in-depth exploration of geometric properties through the use of constructions, enabling students to build conjectures that define transformations. By utilizing these transformations as tools, students will be able to prove congruence and similarity theorems, while also developing an understanding of trigonometry ratios in right triangles. Students will continue to learn to connect concepts of geometry to real world applications, technology, algebra, and other academic disciplines.

AND

[R] Geometry B
[SBG] Applied
1 Semester • 0.5 Credit
Course #: 5020-3
Prerequisite: Geometry A
This course will develop students' analytical and spatial reasoning while focusing on the second half of the essential concepts of geometry such as solid geometry, coordinate geometry, circles, and conditional probability. Students will continue to learn to connect concepts of geometry to real world applications, technology, algebra, and other academic disciplines.

Mathematics

Key: [R] – Required Course [AP] – Advanced Placement [W] Weighted Grade Points
[C] – Eligible for college credit by passing the AP Exam

11th Grade Required Courses

11th graders (or sophomores who earned credit for Geometry as a freshman) must take one of the following Algebra 11 course options:

[R] Algebra II A
1 Semester • 0.5 Credit
Course #: 5030-2
Prerequisite: Geometry A and Geometry B
This course will develop students' analytical and spatial reasoning while focusing on the second half of the essential concepts of geometry such as solid geometry, coordinate geometry, circles, and conditional probability. Students will continue to learn to connect concepts of geometry to real world applications, technology, algebra, and other academic disciplines.

AND

[R] Algebra II B
1 Semester • 0.5 Credit
Course #: 5030-3
Prerequisite: Algebra II A
This course will continue to develop students' ability to reason algebraically by building upon Algebra I, Geometry, and Algebra II A concepts. Students will focus on the second half of the essential concepts in Algebra II such as polynomials and power functions, counting and inferential statistics, and conic sections. Students will also extend their knowledge of univariate and bivariate statistical applications. Students will continue to extend their learning to model and solve real-life situations involving technology and other academic disciplines.

OR – <u>ALGEBRA II: Two-Year Option</u>
Michigan Merit Curriculum Law Sec. 1278b(5)(f) states, *Under a personal curriculum, a student may elect to complete the same content as Algebra II over two years (three semesters) , with a ½ credit awarded for each of those semesters. To accommodate a student opting to take Algebra II for an extended period of time, Algebra II Part 1, 2, & 3 will be equivalent to Algebra II A and Algebra II B.*

Algebra II Part I
1 Semester • 0.5 Credit
Course #: 5031-2
Prerequisite: Geometry B
Students will focus on the first third of essential concepts of Algebra II such as sequences and series, polynomial and rational functions. Students will extend their learning to model and solve real-life situations involving technology and other academic disciplines.

AND

Algebra II Part II
1 Semester • 0.5 Credit
Course #: 5031-3
Prerequisite: Algebra II Part I
Students will focus on the second third of essential concepts of Algebra II such as complex numbers, rational numbers, exponentials, and logarithms. Students will extend their learning to model and solve real-life situations involving technology and other academic disciplines.

Mathematics

Key: [R] – Required Course [AP] – Advanced Placement [W] Weighted Grade Points
[C] – Eligible for college credit by passing the AP Exam

12th Grade Course

Algebra II Part III
1 Semester • 0.5 Credit
Course #: 5032-2
Prerequisite: Algebra II Part II
Students will focus on the second third of essential concepts of Algebra II such as transformations of functions, trigonometric functions, and statistical inferences. Students will extend their learning to model and solve real-life situations involving technology and other academic disciplines.

Math Electives

Discrete Mathematics
1 Semester • 0.5 Credit
Course #: 5058-1
Prerequisite: Algebra II B
This course is designed for students who have completed their core mathematics courses through Algebra II and who have an interest in computer science. The content covers widely applicable mathematical tools for computer science, including topics from logic, set theory, number theory, probability theory, and graph theory. Discrete Mathematics also teaches reasoning and proof techniques that apply to real world mathematics, such as coding, cryptography, and logistics. Students will develop the ability to apply these techniques and acquire a sense of utility and value of mathematics beyond the classroom.

Math Analysis
1 Semester • 0.5 Credit
Course #: 5050-1
Prerequisite: Algebra II B
This advanced math course includes in-depth studies of the families of functions as they relate to real-world applications and deeper mathematical study. Students will also extend their knowledge of univariate and bivariate statistical applications. Graphing calculators are extensively used as students connect their understanding with multiple representations.

Mathematical Modeling
1 Semester • 0.5 Credit
Course #: 5051-1
Prerequisite: Geometry B
This course offers students who have successfully completed Algebra I and Geometry an opportunity to mathematically model real world phenomena such as Olympic competitions, art, personal financial decision making, movies, and music. Concepts that focus on the modeling process are: direct and indirect variation, family of functions, systems of equations, proportions, trigonometry, and finance. Students will also extend their knowledge of univariate and bivariate statistical applications. The modeling process (forming a theory, testing it, and revisiting it based on the results of the test) is critical for learning how to think mathematically. This course is ideally suited as a mathematics elective or as a precursor to Algebra II.

Precalculus A
1 Semester • 0.5 Credit
Course #: 5052-2
Prerequisite: Algebra II B
This course deepens students' understanding of Algebra and extends their ability to apply algebraic concepts and procedures at higher conceptual levels. The focus in this first half of the course involves the study of functions and their graphs, including polynomials, rationals, and exponential and logarithmic functions. Connections are made between the graphical, numerical, and algebraic models of these functions, including modeling and solving real world problems. Graphing technology will be highly utilized to meet this goal.

AND

Mathematics

Key: [R] – Required Course [AP] – Advanced Placement [W] Weighted Grade Points
[C] – Eligible for college credit by passing the AP Exam

Precalculus B
1 Semester • 0.5 Credit
Course #: 5052-3
Prerequisite: Precalculus A
This course continues to deepen students' understanding of Algebra and extends their ability to apply algebraic concepts and procedures at high conceptual levels. The focus in the second half of the course involves theory and application of both trigonometric functions and analytic trigonometry. Students will also extend their knowledge of conics, and systems of equations and matrices. Connections are made between the graphical, numerical, and algebraic models of these functions, including modeling and solving real world problems. Graphing technology will be highly utilized to meet this goal. Successful completion of Precalculus A and B fully prepares students for AP Calculus.

Statistics and Probability
1 Semester • 0.5 Credit
Course #: 5053-1
Prerequisite: Geometry B
Students in this course will explore and compare univariate and bivariate data sets using both graphical and numerical summary measures, learn principles of data collection, and study design that aims to minimize bias and variability of resulting data. Students use discrete probability distributions as models for random systems and use conditional probability to solve applied problems. Normal distribution is studied and sampling distributions for means and proportions are developed. Students learn the logic and terminology of confidence interval estimation and significance testing. With an increasing emphasis on data-based decision making, this mathematics elective will be extremely valuable for KPS graduates.

Mathematics

Key: [R] – Required Course [AP] – Advanced Placement [W] Weighted Grade Points
[C] – Eligible for college credit by passing the AP Exam

Advanced Placement Courses - Math

[W]= Weighted Grade Value (see page 24)
[C] = College Credit Available - *Students can earn college credit by taking any of the following Advanced Placement courses and passing the AP Exam.*

Advanced Placement (AP) courses meet for a full year (two semesters) as they require more time to cover the rigorous AP College Board curriculum in preparation for the AP Exam taken in early May.**Advanced Placement courses are intended for students in grades 10-12.**

Due to the rigor of AP courses, students are strongly encouraged to complete a summer assignment as suggested by the AP teacher. Content from summer assignments will be included on an assessment during the first semester. A packet with detailed course information is available in the principal's office.

[AP] [W] [C] AP Calculus AB
2 Semesters • 1.0 Credits
Course #: 5091-789
Prerequisite: Precalculus B
This course is a rigorous study of limits, differential (implicit and explicit) equations, differentiation techniques, integration techniques, rates of change, logarithmic, exponential and other transcendental functions with multiple representations and applications. There is a heavy emphasis on algebraic and graphical models using graphing calculators and other technologies.

[AP] [W] [C] AP Precalculus AB
2 Semesters • 1.0 Credits
Course #: 50937, 50938, 50939
Prerequisite: Algebra II B
This course is a rigorous study of functions that model dynamic phenomena. There is a heavy emphasis on symbolic manipulation and the study of functions through algebraic, numeric, graphical and verbal representations. This course will focus on polynomial and rational functions, exponential and logarithmic functions, trigonometric and polar functions, in addition to functions involving parameters, vectors, and matrices. Graphing calculators are highly utilized to aid in fostering a deep conceptual understanding of functions.

[AP] [W] [C] AP Statistics
2 Semesters • 1.0 Credits
Course #: 5092-789
Prerequisites: Algebra II B
This course is a rigorous study of collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data by describing patterns and departure from patterns, sampling and experimentation through planning and conducting a study, anticipating patterns by exploring random phenomena using probability and simulations, and statistical inference through estimating population parameters and testing hypotheses. The uses of computer and calculator programs enhance the modeling of statistical applications in the real world.

Music

Instrumental Music Courses	Credits	Vocal Music Courses	Credits	Non-Performance Music Courses	Credits
Chamber Orchestra	1.0	Advanced Treble Chorale	1.0	American Popular Music	0.5
Concert Band	1.0	Concert Choir	0.5	AP Music Theory	1.0
High School Beginning Band	1.0	Hawthorne Singers	1.0		
String Orchestra	1.0	Master Singers	1.0		
Symphonic Band	1.0	Mixed Chorus	0.5		
		Treble Chorus	0.5		

Instrumental Music Courses

Chamber Orchestra
Concert Band
2 Semesters • 1.0 Credit
Course # 60422, 60423
Grades: 10, 11, 12
Prerequisite: Audition and/or Director Permission
Scheduling Note: This course may be repeated
This is an advanced string ensemble, demanding high levels of individual performance and music reading abilities. Students will rehearse and perform in a smaller orchestra to refine advanced performance techniques, develop greater independence, and strengthen ensemble skills. Please note: participation in performances during and outside of the school day, possibly occurring in the evening or on the weekend, is a required expectation of this course and part of the overall grade.

Concert Band
2 Semesters • 1.0 Credit
Course #: 6050-45
Grades: 9,10,11,12
Prerequisite: Experience playing wind or percussion instrument
Scheduling Note: Offered 1st and 2rd semesters; This course may be repeated
During the first 9 weeks, students will rehearse and perform a variety of music and learn related marching and maneuvering routines for performances as a marching band. Students will rehearse and perform a wide variety of wind band literature in a collaborative, performance-based setting, with specific emphasis on technical improvement and ensemble development. Please note: participation in performances during and outside of the school day, possibly occurring in the evening or on the weekend, is a required expectation of this course and part of the overall grade.

Music

Instrumental Music Courses

High School Beginning Band
2 Semesters • 1.0 Credit
Course # 6050-45
Grades: 9, 10, 11, 12
Scheduling Note: This course may be repeated
This class is intended for students with little to no experience playing a wind or percussion instrument, or students who would like to learn a secondary wind or percussion instrument. Students will learn the fundamentals of playing an instrument, progressing through an accelerated middle school band curriculum and preparing students for enrollment and participation in Concert Band or Symphonic Band classes. Performing at concerts is an integral part of this class. Please note: participation in performances during and outside of the school day, possibly occurring in the evening or on the weekend, is a required expectation of this course and part of the overall grade.

Orchestra
2 Semesters • 1.0 Credit
Course #: 6052-456
Prerequisite: Audition
Scheduling Note: This course may be repeated each semester
Students will rehearse and perform a variety of advanced orchestra literature in a collaborative, performance-based setting, with a specific emphasis on technical improvement and ensemble development. Please note: participation in performances during and outside of the school day, possibly occurring in the evening or on the weekend, is a required expectation of this course and part of the overall grade.

String Orchestra
2 Semesters • 1.0 Credit
Course#:
Prerequisite: 8th Grade Orchestra or Director Permission
Scheduling Note: This course may be repeated
Students will rehearse and perform a variety of orchestra literature in a collaborative, performance-based setting, with a specific emphasis on technical improvement and ensemble development. Please note: participation in performances during and outside of the school day, possibly occurring in the evening or on the weekend, is a required expectation of this course and part of the overall grade.

Symphonic Band
2 Semesters • 1.0 Credit
Course#: 6053-45
Prerequisite: Audition and/or Band or Director Permission
This course may be repeated
During the first 9 weeks, Students will rehearse and perform a variety of music and learn related marching and maneuvering routines for performances as a marching band. The rest of the year, students will rehearse and perform a variety of advanced wind band literature. Please note: participation in rehearsals and performances during and outside of the school day, including summer band camp, is a required expectation of this course and part of the overall grade.

Music

Vocal Music Related Courses

Advanced Treble Chorale
2 Semesters • 1.0 Credits
Course #: 6059-2
Grades: 10, 11, 12
Prerequisite: Audition and/or Director Permission
Scheduling Note: This course is for Alto and Soprano singers only. This course may be repeated.
Students will be members of an advanced treble (soprano/alto) voice ensemble and participate in a comprehensive vocal music education program designed to promote the development of individual and group performance skills. Please note: participation in performances during and outside of the school day, possibly occurring in the evening or on the weekend, is a required expectation of this course and part of the overall grade. Additionally, students interested in Advanced Treble Chorale must demonstrate their ability to the choir director by auditioning in the spring for the following school year.

Concert Choir
1 Semester • 1.0 Credit
Course #: 6057-4
Prerequisite: Mixed Chorus OR Treble Chorus OR Direction Permission and/or Audition
Scheduling Note: This course may be repeated.
This is a select ensemble. Students will participate in a comprehensive vocal music education program designed to promote the development of advanced individual and group performance skills. Please note: participation in performances during and outside of the school day, possibly occurring in the evening or on the weekend, is a required expectation of this course and part of the overall grade.

Hawthorne Singers

This ensemble represents the highest level of choral music performance at Kalamazoo Central High School.

Hawthorne Singers
2 Semesters • 1.0 Credits
Course #: 6054-789
Grades: 10, 11, 12
Prerequisite: Audition and/or Director Permission
Site: Kalamazoo Central High School
This is the most advanced choral ensemble at Kalamazoo Central High School. Students will participate in a comprehensive vocal music education program designed to promote the development of advanced individual and group performance skills. Please note: participation in performances during and outside of the school day, possibly occurring in the evening or on the weekend, is a required expectation of this course and part of the overall grade. Additionally, students interested in Hawthorne Singers must demonstrate their ability to the choir director by auditioning in the spring for the following school year.

Music

Master Singers

This ensemble represents the highest level of choral music performance at Loy Norrix High School.

Master Singers
2 Semesters • 1.0 Credits
Course #: 6055-789
Prerequisite: Audition and/or Director Permission
Site: Loy Norrix High School
This is the most advanced choral ensemble at Loy Norrix High School. Students will participate in a comprehensive vocal music education program designed to promote the development of advanced individual and group performance skills. Please note: participation in performances during and outside of the school day, possibly occurring in the evening or on the weekend, is a required expectation of this course and part of the overall grade. Additionally, students interested in Master Singers must demonstrate their ability to the choir director by auditioning in the spring for the following school year.

Mixed Chorus
1 Semester • 0.5 Credit
Course #:6056-4
Prerequisite: None
Scheduling Note: This course is offered 1st Semester. This course is for all 9th grade choir students or any student who has not had previous high school choir experience.
This is a gender-inclusive beginning ensemble. Students will participate in a comprehensive vocal music education program designed to promote the development of intermediate individual and group performance skills. The advancement of musical knowledge and understanding, as well as music literacy, will be emphasized. Please note: participation in performances during and outside of the school day, possibly occurring in the evening or on the weekend, is a required expectation of this course and part of the overall grade.

Treble Chorus
1 Semester • 0.5 Credit
Course #: 6058-1
Prerequisite: None
Scheduling Note: This course is offered 2nd Semester
Female students will be members of a treble voice ensemble and participate in a comprehensive vocal music education program designed to promote the development of individual and group performance skills. Music literacy, as well as familiarity with a wide variety of music representative of different styles, periods and cultures, will be taught. Students will participate in a spring concert outside of school at the end of the year.

Non-Performance Music

American Popular Music
1 Semester • 0.5 Credit
Course #: 6061-1
Prerequisite: None
American Popular Music is an in-depth study of popular music of the last century. Beginning with the Jazz Age and moving through modern day, students will study each important era and style of the 20th and early 21st Century. Daily class work will consist of listening, analysis, group work, reading, research, and demonstration.

Music

Advanced Placement Courses

[W]= Weighted Grade Value (see page 24)
[C] = College Credit Available - *Students can earn college credit by taking any of the following Advanced Placement courses and passing the AP Exam.*

Advanced Placement (AP) courses meet for a full year (two semesters) as they require more time to cover the rigorous AP College Board curriculum in preparation for the AP Exam taken in early May. **Advanced Placement courses are intended for students in grades 10-12.**

Due to the rigor of AP courses, students are strongly encouraged to complete a summer assignment as suggested by the AP teacher. Content from summer assignments will be included on an assessment during the first semester. A packet with detailed course information is available in the principal's office.

AP Music Theory
2 Semesters (1.0 Credits)
Course #: 60912, 60913
This course is designed to provide students with a deep understanding of the fundamentals of music, including harmony, melody, rhythm, and form. Through a combination of ear training, score analysis, and composition exercises, students will explore complex musical concepts such as chord progressions, counterpoint, and musical analysis. This course emphasizes both theoretical knowledge and practical application, preparing students for the AP Music Theory Exam. A strong background in music fundamentals and proficiency in reading musical notation is recommended for success in this class.

Physical Education

Key: [R] – Required course
***These courses may be taken more than once.**

One-half (0.5) credit is required for graduation.

Students must elect one (1) of the following courses to meet the one-half (0.5) physical education credit required for graduation:

- Concert Band
- EFA: Beginning Dance Studio
- EFA: Intermediate Dance Studio
- Healthy Lifestyles Through Aquatics
- Healthy Lifestyles Through Physical Activity
- Lifetime Sport and Physical Activity
- Recreational Team Sports
- Symphonic Band

Current Physical Education Courses	
Course	**Credits**
Advanced Conditioning	0.5
Aquatics II	0.5
Athletic Weightlifting and Training	0.5
Conditioning	0.5
Healthy Lifestyles Through Aquatics	0.5
Healthy Lifestyles Through Physical Activity	0.5
Lifetime Sport & Physical Activity	0.5
Recreational Team Sports	0.5

Physical Education

Key: [R] – Required course
***These courses may be taken more than once.**

Introductory Courses

[R] Healthy Lifestyles Through Aquatics
1 Semester • 0.5 Credit
Course #: 6520-1
Prerequisite: None
Students will assess and increase their knowledge about health-related fitness, refine personal-social skills, and develop basic fitness and motor competencies that will facilitate the pursuit of a healthy, active lifestyle. Content will include: Fitnessgram assessment, nutrition assessment, and the basic concepts and principles of personal fitness. Physical activities include basic swimming skills, swim conditioning, water aerobics, water safety skills, and water polo. Students will develop a plan for maintenance of personal physical fitness.

OR

[R] Healthy Lifestyles Through Physical Activity
1 Semester • 0.5 Credit
Course #: 6510-1
Prerequisite: None
Students will assess and increase their knowledge about health-related fitness, refine personal-social skills, and develop basic fitness and motor competencies that will facilitate the pursuit of a healthy, active lifestyle. Content will include: Fitnessgram assessment, nutrition assessment, and the basic concepts and principles of personal fitness. Physical activities include basic swimming skills, swim conditioning, water aerobics, water safety skills, and water polo. Students will develop a plan for maintenance of personal physical fitness.

***Lifetime Sport & Physical Activity**
1 Semester • 0.5 Credit
Course #: 6554-1
Prerequisite: None
This course is designed to offer students opportunities to participate in recreational sports that improve health-related fitness activities. Activities such as ultimate frisbee, golf, disc golf, outdoor pursuits, tennis, badminton, and weight training may be offered.

***Recreational Team Sports**
1 Semester • 0.5 Credit
Course #: 6558-1
Prerequisite: None
This course offers a variety of team sports including flag football, soccer, volleyball, basketball, softball, and other related team sports.

Intermediate Courses

***Aquatics II**
1 Semester • 0.5 Credit
Course #: 6551-1
Prerequisite: Healthy Lifestyles Through Physical Activity or Healthy Lifestyles Through Aquatics or approval through Aquatics II Instructor
This course is designed to offer students opportunities to continue participation in health-related fitness activities-that focus on aquatics, which may include: intermediate and advanced swimming skills, water polo, conditioning, and diving.

Conditioning
1 Semester 0.5 Credit
Course #: 6553-1
Prerequisite: Any Introductory Physical Education Course
This course is designed to offer students opportunities to continue participation in health-related fitness activities (cardiovascular endurance, muscular endurance, muscular strength, flexibility, and body composition) such as strength training, circuit and interval training, aerobics, and jogging.

Physical Education

Key: [R] – Required course
***These courses may be taken more than once.**

Advanced Courses

***Advanced Conditioning**
1 Semester • 0.5 Credit
Course #: 65551
Prerequisite: Conditioning
This course is designed to provide students and student-athletes with an opportunity to assess and increase health-related physical fitness (cardiovascular endurance, muscular endurance, muscular strength, flexibility, and body composition). Activities may include weightlifting and conditioning to improve speed, power, and explosion. Speed and agility training will include circuit and interval training, and aerobic activities. Students will track their progress, using methods that may include: BMI, heart rate, and body fat.

***Athletic Weightlifting and Training**
1 Semester • 0.5 Credit
Course #: 6559-1
Prerequisite: Conditioning or Instructor Approval
Note: This course may be taken for one or two semesters
This course is designed to give students the opportunity to learn weight training concepts in relation to the spor or athletic endeavor that they are participating in. Students will benefit from comprehensive weight training and cardio-respiratory activities. Each student will have an individualized workout program for each sport or activity both in-season and off-season. Students will learn the fundamentals of all aspects of weight training. The cours will provide both lecture and activity sessions. Students will be empowered to develop positive behaviors in fitness, wellness, and movement activity for a lifetime.

Science

Key: [R] – Required Course [AP] – Advanced Placement [W] Weighted Grade Points
[C] – Eligible for college credit by passing the AP Exam

Three (3.0) credits are required for graduation:

Students are required to earn three (3.0) science credits to meet the graduation requirement. Starting in the 2023-2024 school year, students must have successfully completed at least one course in each of the following areas of science: Physical Science, Life Science, and Earth Science.

Physical Science Courses	Life Science Courses	Earth Science Courses
AP Chemistry AP Physics I Chemistry Foundations Environmental Science Forensic Science A Honors Chemistry: Analytical Honors Chemistry: Organic Physics	AP Biology Biology: Cells, Evolution, and Biotechnology Biology: DNA, Energy Pathways, and Ecology Forensic Science B Human Anatomy and Physiology	Astronomy Earth Science Environmental Science Geology A Geology B

Current Science Courses	
Course	**Number of Credits**
AP Biology	1.0
AP Chemistry	1.0
AP Physics I	1.0
Astronomy	0.5
Biology (Cells, Evolution, and Biotechnology & DNA, Energy Pathways, and Ecology)	1.0
Chemistry: Foundations	0.5
Earth Science (A & B)	1.0
Environmental Science	0.5
Forensic Science (A & B)	1.0
Geology (A & B)	1.0
Honors Chemistry (A & B)	1.0
Human Anatomy and Physiology (A & B)	1.0
Physics (A & B)	1.0

Science

Key: [R] – Required Course [AP] – Advanced Placement [W] Weighted Grade Points
[C] – Eligible for college credit by passing the AP Exam

Astronomy
1 Semester • 0.5 Credit
Course #: 7050-1
Prerequisite: None
This course is a general introduction to astronomy.
Topics include instruments of astronomy, components and theories of the solar system, stellar evolution, galaxies, and a brief history of astronomy.

Biology: Cells, Evolution, and Biotechnology
1 Semester • 0.5 Credit
Course #: 7010-4
Prerequisite: None
This course will enable students to understand key life science principles including DNA, heredity, ecology, and evolution. This is a laboratory and hands-on course that requires extensive writing, teamwork, and use of technology.

AND

Biology: DNA, Energy Pathways, and Ecology
1 Semester • 0.5 Credit
Course #: 7010-5
Prerequisite: None
This course will enable students to understand the life science principles including DNA, ecology, photosynthesis, cellular respiration, and gene expression. This is a laboratory and hands on course that requires extensive writing, teamwork, and use of technology.

Chemistry: Foundations
1 Semester • 0.5 Credit
Course #: 7020-1
Prerequisite: None
This course introduces students to foundational chemistry concepts which can be applied to a variety of fields and other courses. These concepts include atomic structure, the periodic table, how chemicals react with one another, and how to analyze substances. Students will participate in a variety of laboratory-based activities to explore chemistry concepts related to the vast amount of careers in this field.

Honors Chemistry: Analytical
[MAC] 4th Related Mathematics Credit
1 Semester • 0.5 Credit
Course #: 7060-2
Prerequisites: Chemistry Foundations
This interactive and experiential course will focus on the practical knowledge and skills needed to develop and analyze chemical substances in the lab. Students will also develop logic and reasoning skills to identify unknown substances and design useful processes to develop substances. This course or Honors Chemistry: Organic is recommended for students who are interested in hands-on laboratory experiences or would like to prepare for AP Chemistry.

Honors Chemistry: Organic
[MAC] 4th Related Mathematics Credit
1 Semester • 0.5 Credit
Course #: 7060-3
Prerequisites: Chemistry: Foundations
This course will focus on the structure and process that create carbon based compounds. This includes the study of physical and chemical properties, and evaluation of chemical reactivity to understand their behavior as well as the study of chemical synthesis of natural products, pharmaceuticals, and polymers. Students will also learn how organic compounds affect the environment. This course or Honors Chemistry: Analytical is recommended for students who are interested in hands-on laboratory experiences or would like to prepare for AP Chemistry.

Science

Key: [R] – Required Course [AP] – Advanced Placement [W] Weighted Grade Points
[C] – Eligible for college credit by passing the AP Exam

Students may take only the A section, only the B section, or both the A and B sections of Earth Science.

Earth Science A
1 Semester • 0.5 Credit
Course #: 7051-4
Prerequisite: None
Each student will master essential concepts of the geosphere. Topics include the advanced rock cycle, plate tectonics, earthquakes, volcanoes, and geologic history. This course will also discuss how humans impact the environment. This is a hands-on course with a strong writing and technology emphasis.

Earth Science B
1 Semester • 0.5 Credit
Course #: 7051-4
Prerequisite: None
Each student will master essential concepts of the hydrosphere, atmosphere, and astronomy. Topics include oceans, weather, ground water, the sun, and stellar evolution. This is a hands-on course with a strong writing and technology emphasis.

Environmental Science
1 Semester • 0.5 Credit
Course #: 7052-2
Prerequisite: None
This course is a required science course for all ninth-grade students in their first year of high school. Environmental Science is an integrated course that focuses primarily on Life and Physical science concepts, their relationship to the environment, and how understanding the concepts can help humans make informed decisions about the future of our planet. Topics include Earth's systems, sustainability, structure and properties of matter, and chemical reactions.

Students may take only the A section, only the B section, or both the A and B sections of Forensic Science.

Forensic Science A
1 Semester • 0.5 Credit
Course #: 7053-4
Prerequisite: None
Students will study the use of Forensic Science in criminal cases, types of forensic evidence, hair and fiber analysis, fingerprinting, counterfeiting and forgeries, toxicology, and ballistics and tool marks.

Forensic Science B
1 Semester • 0.5 Credit
Course #: 7053-5
Prerequisite: None
Students will study the analysis of blood typing, blood spatter patterns, DNA, forensic anthropology, forensic entomology, and time of death calculations.

Geology A
1 Semester • 0.5 Credit
Course #: 7054-2
Prerequisites: Earth Science A
This high-level course takes students deeply into the earth sciences and prepares them for a course of study in the lucrative field of geosciences. This laboratory and project-based course will include investigating concepts usually reserved for the college-level student. Topics include minerals, rocks, geologic time, plate tectonics, volcanoes, earthquakes, and topographic and geological mapping.

Science

Key: [R] – Required Course [AP] – Advanced Placement [W] Weighted Grade Points
[C] – Eligible for college credit by passing the AP Exam

Geology B
1 Semester • 0.5 Credit
Course #: 7054-3
Prerequisites: Geology A
Geology B will continue the high-level study of geosciences including weathering and erosion, mass wasting, groundwater, running water, glaciers and geological structures. At the conclusion of the Geology B course, any student who passes the exam with 80% or better will be eligible for 4 college credits at 10 Michigan institutions.

Human Anatomy and Physiology A
1 Semester • 0.5 Credit
Course #: 7061-2
Prerequisites: None
Grades: 10, 11, 12
This course is designed for those students planning a career in the healthcare field. Using an investigative approach, students will learn medical terminology, the anatomy of the human body (body parts), and the physiology of the human body systems (how they work) under normal and disease conditions. Topics include a review of biochemistry and cell structure and function, as well as medical terminology, tissue types, the integumentary system, immune system, skeletal system, and muscular system.

AND

Human Anatomy and Physiology B
1 Semester • 0.5 Credit
Course #: 7061-3
Prerequisite: Human Anatomy and Physiology A
Grades: 10, 11, 12
In this second section of a two-semester course, students will study the cardiovascular system, respiratory system, digestive system, nervous system, and the urinary system.

Physics A
[MAC] 4th Related Mathematics Credit
1 Semester 0.5 Credit
Course #: 7030-2
Prerequisite: Algebra IA AND Algebra IB
This course provides an introduction to mechanics. Linear and rotational mechanics, work, power, energy, and Newton's Laws will be covered. This is a laboratory course which relies heavily on problem-solving.

AND

Physics B
[MAC] 4th Related Mathematics Credit
1 Semester 0.5 Credit
Course #: 7030-3
Prerequisite: Physics A
This course is a follow-up to Physics A. This course covers electricity, waves, sound, light, optics, nuclear physics, and modern physics.

Science

Key: [R] – Required Course [AP] – Advanced Placement [W] Weighted Grade Points
[C] – Eligible for college credit by passing the AP Exam

Advanced Placement Courses

[W] = Weighted Grade Value (see page 24)
[C] = College Credit Available - *Students can earn college credit by taking Advanced Placement courses and passing the AP Exam.*

Advanced Placement courses are intended for students in grades 10-12.

Due to the rigor of AP courses, students are strongly encouraged to complete a summer assignment as suggested by the AP teacher. Content from summer assignments will be included on an assessment during the first semester. A packet with course information is available in the principal's office.

[AP] [W] [C] Advanced Placement Biology
2 Semesters 1.0 Credits
Course #: 7091-789
Prerequisites: Biology: Cells, Evolution, and Biotechnology OR Biology: DNA, Energy Pathways, and Ecology AND Chemistry Foundations
This course is designed to be a comprehensive biology course for the science-oriented student. Individual research, study and experimentations, as well as the ability to correlate lab data and draw conclusions are stressed. Recommended for biology, chemistry, and pre-medical majors. This is a lab-oriented, text related course with outdoor fieldwork and lab analysis.

[AP] [W] [C] Advanced Placement Chemistry
2 Semesters 1.0 Credits
Course #: 7092-789
Prerequisite: Chemistry: Foundations and either Honors Chemistry: Analytical or Honors Chemistry: Organic
4th Related Mathematics Credit
This course is designed to be a comprehensive college-level introductory course in physical chemistry. Strong emphasis is placed upon laboratory work. This course is recommended for Chemistry and Biology majors, and especially for students planning a career in any health-related or investigative science field including pre-medicine, pre-nursing, pre-dentistry, engineering (all types) and careers in biology, chemistry, pharmacology, or health care. Activities include special projects, field trips, in-depth preparation for the AP exam, and extended laboratory investigations.

[AP] [W] [C] Advanced Placement Physics I
2 Semesters 1.0 Credits
Course #: 7093-789
Prerequisite: Physics A OR Physics B
4th Related Mathematics Credit
The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; simple harmonic motion; and fluid dynamics. Students will develop a deep understanding of the content, apply knowledge through inquiry labs, and participate in special projects, extended laboratory investigations, and in-depth preparation for the AP exam. This course is highly recommended for students who wish to pursue a degree in engineering or the sciences. Interested students who have not met the Physics A or B requirement may speak to the instructor for approval.

Social Studies

Key: [R] – Required Course [AP] – Advanced Placement [W] Weighted Grade Points
[C] – Eligible for college credit by passing the AP Exam

Four (4.0) credits are required for graduation:

Students are required to earn three (3.5) social studies credits to meet the graduation requirement. Included in the three credits are the following required courses:

- **World History**
- **United States History** *or* AP United States History
- **Government and Politics: United States** *or* AP United States Government & Politics
- **Economics** or **Personal Financial Literacy**

Students must earn an additional one-half (0.5) social studies credit to fulfill the graduation requirement. Students may choose from any of the social studies electives as described on pages 115-116.

Current Social Studies Courses	
Course	**Credits**
AP African American Studies	1.0
AP Comparative Government & Politics	1.0
AP European History	1.0
AP Human Geography	1.0
AP Psychology	1.0
AP United States Government & Politics	1.0
AP United States History	1.0
AP World History	1.0
Pre-AP World History & Geography	1.0
African American Studies (A & B)	1.0
African World Studies	0.5
American Military History: 1776 to Present	0.5
Anthropology	0.5
Current Events (Today's Events, Tomorrow's History)	0.5
Economics	0.5
Government and Politics: United States (A & B)	1.0
Law I	0.5
Law II	0.5
Psychology	0.5
Sociology	0.5
The Turbulent Years: History of the 1980s to 2008	0.5
United States History (A & B)	1.0
Women's Studies	0.5
World History (A & B)	1.0

Social Studies

Key: [R] – Required Course [AP] – Advanced Placement [W] Weighted Grade Points
[C] – Eligible for college credit by passing the AP Exam

Required Social Studies Courses

[R] World History A
1 Semester • 0.5 Credit
Course #: 8010-2
Prerequisite: None
This course is required for all 9th grade students in their first year of high school. Students will explore and experience eras of world history through the perspective of world cultures. The eras for exploration will start with Ancient Empires and end with the French Revolution. In exploring world events, students will examine the leadership choices, human interactions, inventions, geographic and economic systems, and social and political interactions that contribute to major changes in World History. This will be accomplished through an analysis of primary and secondary sources. Geography is integrated bringing together the physical and human dimensions of the world through the study of people, places, and environments.

[R] World History B
1 Semester • 0.5 Credit
Course #: 8010-3
Prerequisite: World History A
This course is required for all 9th grade students in their first year of high school. Students will explore and experience the eras of world history through the perspective of world cultures. The eras for exploration will start with the Industrial and Political Revolutions of the 1800s. In exploring world events, students will examine the leadership choices, human interactions, inventions, geographic and economic systems, and social and political interactions that contribute to major changes in world history. This will be accomplished through an analysis of primary and secondary sources. Comprehending global issues and economies require competencies with geography on a global scale.

[R] United States History A
1 Semester • 0.5 Credit
Course #: 8020-2
Prerequisite: None
This course traces the development of the United States in an interdependent world. Students will use the content and habits of mind of both history and geography to study United States history with an emphasis on the time period from industrialization through the New Deal.

AND

[R] United States History B
1 Semester • 0.5 Credit
Course #: 8020-3
Prerequisite: United States History A
During the second semester, the emphasis is on the time period focusing from World War II to the present.

OR 10th graders can choose to take the following AP U.S. History course:

[AP] [W] [C] Adv. Placement U.S. History
See page 86 for course description.

[R] Economics
1 Semester • 0.5 Credit
Course #: 8031-1
Prerequisite: None
Students will learn economic reasoning to evaluate courses and consequences of individual economic decisions and public policy issues raised by constraints imposed by scarcity. Students will understand how economics functions and how to apply the concepts and principles of economics to their lives as individuals and citizens.

Social Studies

Key: [R] – Required Course [AP] – Advanced Placement [W] Weighted Grade Points
[C] – Eligible for college credit by passing the AP Exam

11th Grade Required Courses

[R] Government and Politics: United States A
1 Semester • 0.5 Credit
Course #: 8030-2
Prerequisite: Recommended – United States History B
Government and Politics: United States A emphasizes national, state, and local government structures. Units pertaining to foundations and theories of government federalism. Exploration of the history of the Declaration of Independence, the Articles of Confederation and the Constitution, the principles of federalism, checks and balances and popular sovereignty. A unit covering the legislative branch, the organization of Congress, expressed and implied powers of Congress in action. A unit exploring the executive branch, the President, bureaucracy, financing government, and national defense. A unit exploring the judicial branch, dual court system, criminal and civil courts, the Supreme Court and significant decisions of the court.

AND

[R] Government and Politics: United States B
1 Semester • 0.5 Credit
Course #: 8030-3
Prerequisite: Government & Politics: United States A
Government and Politics: United States B Review of the federalism and principles of American democracy. An in-depth exploration of national, state, and local government structures and functions. An exploration of the ideas and meaning of citizenship in the United States of America, and the rights and responsibilities of American citizens civil liberties/civil rights. Examination of political behaviors, political parties, voting, electoral process. Exploration of comparative government systems. Students prepared to be active citizen participation. The course includes a service learning component.

Or 11th grade students may choose to take the following AP Government course:

Advanced Placement United States Government and Politics

Social Studies

Key: [R] – Required Course [AP] – Advanced Placement [W] Weighted Grade Points
[C] – Eligible for college credit by passing the AP Exam

Elective Courses

Students must earn an additional one-half (0.5) social studies credit to fulfill the graduation requirement. Students may choose from any of the social studies electives described below.

African American Studies A
[MAC] Visual, Performing & Applied Arts
1 Semester • 0.5 Credit
Course #: 80504
Prerequisite: None
The African American Studies course is designed to develop an understanding of the causes, character, and consequences of the African American experience and its influence on the World, the United States, and the African American community. This course will also focus on key figures and counter-forces that were critical to the resistance movements throughout this time period. African American Studies A begins with a historical, geographical, social, political, economic, and cultural understanding of the African continent. The framework of African American Studies A will include the following themes: Ancient Africa, African Explorations of the World, Invasions and weakening of Africa, enslaved Africans, and Slavery in the Americas. The course will have an Anti-Bias/Anti-Racism focus.

African American Studies B
[MAC] Visual, Performing & Applied Arts
1 Semester • 0.5 Credit
Course #: 80505
Prerequisite: None
This African American Studies course is designed to develop an understanding of the causes, character, and consequences of the African American experience and its influence on the World, the United States, and the African American community. This course will also focus on key figures and counter-forces that were critical to the resistance movements throughout this time period. African American Studies B provides an overview of African American Studies A before focusing on the following themes: Institutional (neo) Slavery, Civil Rights, The Heart & Soul of African Americans, Contributions of African Americans to the U.S. and to the World, and Current State of African Americans. The course will have an Anti-Bias/Anti-Racism focus.

African World Studies
1 Semester • 0.5 Credit
Course #: 8050-1
Prerequisite: None
Students will explore the influences that African people have contributed to world history and in the development of world cultures, past and present.

American Military History: 1776 to Present
1 Semester • 0.5 Credit
Course #: 8051-1
Prerequisite: None
Students will analyze the development of the American method of warfare and its impact on our military and society. Students will be analyzing a number of visual, auditory and literary resources to gain a better understanding of how facets of American warfare have changed over time through the eyes of the citizen soldier. These facets will include national motives, the development of the U.S. military as an organization, strategy and tactics, the development and employment of technology, the role of women and minorities, military psychology, and the veteran's experience. The focus of student's studies will be on the growth of America as a superpower starting with the end of the Spanish American War and concluding with the Global War on Terror.

Anthropology
1 Semester • 0.5 Credit
Course #: 8052-1
Prerequisite: None
Students are introduced to the scientific and cultural study of humans. Students learn anthropological techniques and study many different cultures. Units include physical anthropology, cultural anthropology, and archaeology. Guest speakers and source readings are utilized.

Social Studies

Key: [R] – Required Course [AP] – Advanced Placement [W] Weighted Grade Points
[C] – Eligible for college credit by passing the AP Exam

Current Events (Today's Events, Tomorrow's History)
1 Semester • 0.5 Credit
Course #: 8053-1
Prerequisite: None
15 hours of service learning required
The purpose of this class is to build a foundational understanding of how our society works at the local, national, and global levels. Students will develop skills to help them comprehend and think critically about information, judge the quality of digital sources, compare viewpoints, understand cause and effect relationships, contextualize current events, and improve their communication.

Law I
1 Semester • 0.5 Credit
Course #: 8054-4
Prerequisite: None
Students are introduced to our system of law. The history and heritage of our legal system is explored. Topics include: constitutional, juvenile, family, consumer, and individual rights laws.

Law II
1 Semester • 0.5 Credit
Course #: 8054-5
Prerequisite: Law I
This course builds upon the foundation established in Law I. Students are introduced to criminal and tort law. Actual case studies, mock trials, and guest speakers are utilized. Law II topics include pre-trial, trial, and post-trial procedures.

Psychology
1 Semester • 0.5 Credit
Course #: 8055-1
Prerequisite: None
Psychology is the study of the brain and human behavior. This course is designed to be an overview of various topics within the field of psychology. We will learn about cognition, lifespan development, sleep, learning, memory, emotion, relationships, group behavior, attitudes, stress, psychological disorders, and therapy.

Sociology
1 Semester • 0.5 Credit
Course #: 8056-1
Prerequisite: None
This course introduces students to the study of human society and social behavior. We will learn about sociological perspectives, culture and socialization, family and gender, education, religion, and poverty. By exploring these topics, students will gain understanding about the social forces that shape their world, fostering critical thinking and informed citizenship.

The Turbulent Years:
History of the 1980s to 2008
1 Semester • 0.5 Credit
Course #: 8057-1
Prerequisite: None
This course will examine the issues, events, and personalities which changed American culture and impacted the world during the 1980s to 2008. Students will work individually and cooperatively to trace cause and effect relationships, past and present, and how these events affect the way we live today.

Women's Studies
1 Semester • 0.5 Credit
Course #: 8064-1
Prerequisite: None
Students will explore the history and social impact of women throughout American history along with investigations to women around the world. The course will delve into laws regarding women, the suffrage movement, significant women in history and modern times, waves of the feminist movement and the impact of women on society. The course interweaves history, law, economics, sociology, psychology, government, political policy, culture, anthropology and international relations through the common thread of women past and present.

Social Studies

Key: [R] – Required Course [AP] – Advanced Placement [W] Weighted Grade Points
[C] – Eligible for college credit by passing the AP Exam

Advanced Placement Social Studies Courses

[W]= Weighted Grade Value (see page 24)
[C] = College Credit Available - *Students can earn college credit by taking any of the following Advanced Placement courses and passing the AP Exam.*

[AP] [W] [C] Advanced Placement African American Studies
2 Semesters 1.0 Credits
Course #: 80987, 80988, 80989
Prerequisite: United States History or recommendation from teacher is US History has not been taken
This course is an interdisciplinary course that examines the diversity of African American experiences through direct encounters with authentic and varied sources. Students explore key topics that extend from early African kingdoms to the ongoing challenges and achievements of the contemporary moment. Students will develop skills across multiple fields, with an emphasis on developing historical, literary, visual, and data analysis skills. This course foregrounds a study of the diversity of Black communities in the United States within the broader context of Africa and the African diaspora.

[AP] [W] [C] Advanced Placement Comparative Government and Politics
2 Semesters 1.0 Credits (elective credit)
Course #: 8096-789
Prerequisite: United States History B or
Advanced Placement United States History
Scheduling Note: *This course does not fulfill the Government requirement for graduation*.
The AP course in Comparative Government and Politics introduces students to fundamental concepts used by political scientists to study the processes and outcomes of politics in a variety of country settings. Six countries form the core of this course: China, Great Britain, Mexico, Nigeria, Russia, and Iran. This course assists in identifying and analyzing problems.

[AP][W][C] Advanced Placement European History
2 Semesters 1.0 Credits
Course #: 8093-789
Prerequisite: United States History B
The study of European history since 1450 introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. Without this knowledge, we would lack the context for understanding the development of contemporary institutions, the role of continuity and change in present-day society and politics, and the evolution of current forms of artistic expression and intellectual discourse. In addition to providing a basic narrative of events and movements, the goals of this AP course are to develop (a) an under-standing of some of the principal themes in modern European History, (b) an ability to analyze historical evidence and historical interpretation, and (c) an ability to express historical understanding in writing.

[AP] [W] [C] Advanced Placement Human Geography
2 Semesters 1.0 Credits
Course # 80972, 80973
AP Human Geography is an introductory college-level human geography course. Students cultivate their understanding of human geography through data and geographic analyses as they explore topics like patterns and spatial organization, human impacts and interactions with their environment, and spatial processes and societal changes.

Social Studies

Key: [R] – Required Course [AP] – Advanced Placement [W] Weighted Grade Points
[C] – Eligible for college credit by passing the AP Exam

[AP] [W] [C] Advanced Placement Psychology
2 Semester • 1.0 Credits
Course #: 8094-789
Prerequisite: United States History B or A.P. United States History
The purpose of this course is to introduce the systematic and scientific study of the behavior and mental processes of human beings and other animals. Included is a consideration of the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students also learn about the ethics and methods psychologists use in their science and practice.

[AP] [W] [C] Advanced Placement United States Government and Politics
2 Semesters • 1.0 Credits
Course #: 8092-789
Prerequisite: United States History B or AP United States History
Students have the option to choose to take two AP Exams – U.S. Government and Politics and Comparative Government and Politics
This rigorous course is designed for students to explore concepts and theories pertaining to U.S. government and politics. Students also examine patterns of political processes and behavior and their consequences, analyze and interpret data, and compile written analysis and interpretations of U.S. government and politics. This course includes a service-learning component.

[AP] [W] [C] Advanced Placement United States History
2 Semesters • 1.0 Credits
Course #: 8091-789
Prerequisite: None
The AP program in U.S. History is designed to provide students with the analytical skills and enduring understandings necessary to deal critically with the problems and materials in United States history. Students are prepared for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students will learn to assess historical materials and their relevance to a given interpretive problem, their reliability, and their importance, and to weigh the evidence and interpretations presented in historical scholarship. Students will develop the skills necessary to arrive at conclusions on the basis of an informed judgment, and to present reasons and evidence clearly and persuasively in an essay format.

[AP] [W] [C] Advanced Placement World History
2 Semesters • 1.0 Credits
Course #: 8095-789
Prerequisite: None
Students will develop an understanding of global processes and interaction with different types of human societies. This understanding is advanced through a combination of factual knowledge and analytical skills. The course highlights the nature of changes in international structures, as well as comparisons among major societies.

[AP] [W] [C]Pre- Advanced Placement World History and Geography
2 Semesters • 1.0 Credits
Course # 80122, 80123
The Pre-AP World History and Geography areas of focus prioritize the skills fundamental to the study of history and geography in high school, AP, and beyond. This gives students multiple opportunities to think and work like historians and geographers as they develop and strengthen these disciplinary reasoning skills throughout their education in history and the social sciences.

Virtual Learning Program

Current Virtual Learning Program Elective Courses	
Course	**Number of Credits**
Biotechnology A	0.5
Biotechnology B	0.5
Digital Imaging	0.5
Engineering and Technology	0.5
Leadership	0.5

Biotechnology A
1 Semester • 0.5 Credit
Course #: 70622VP
Qualifies for Life Science Credit
Biotechnology A is a cutting-edge, high-demand field that encompasses everything from plant and animal breeding to genetics. Discover how biotechnology has changed the world around us, from food to genetics. Explore historical applications with modern discoveries. Understand how regulations and ethics govern the course of biotechnology and learn of its importance to the field of medicine.

Biotechnology B
1 Semester • 0.5 Credit
Course #: 70623VP
Qualifies for Life Science Credit
Dig deeper into the world of biotechnology! Learn how and why biotechnology is so important to the agricultural, pharmaceutical, and genetic fields of study. You'll learn about mapping the human genome, the role of antibiotics, how medicine is created to combat diseases, and the future of the biotechnology field. It's time to explore the depth and breadth of this fascinating field!

Digital Imaging
ELECTIVE • 1 Semester • 0.5 Credit
Course #: 10622VP
This course will provide students with the opportunity to explore and use computers, digital cameras and state of the art imaging software to create digital art, use creative problem solving and art evaluation. Students will utilize a variety of technology and techniques to achieve creative solutions to artistic problems.

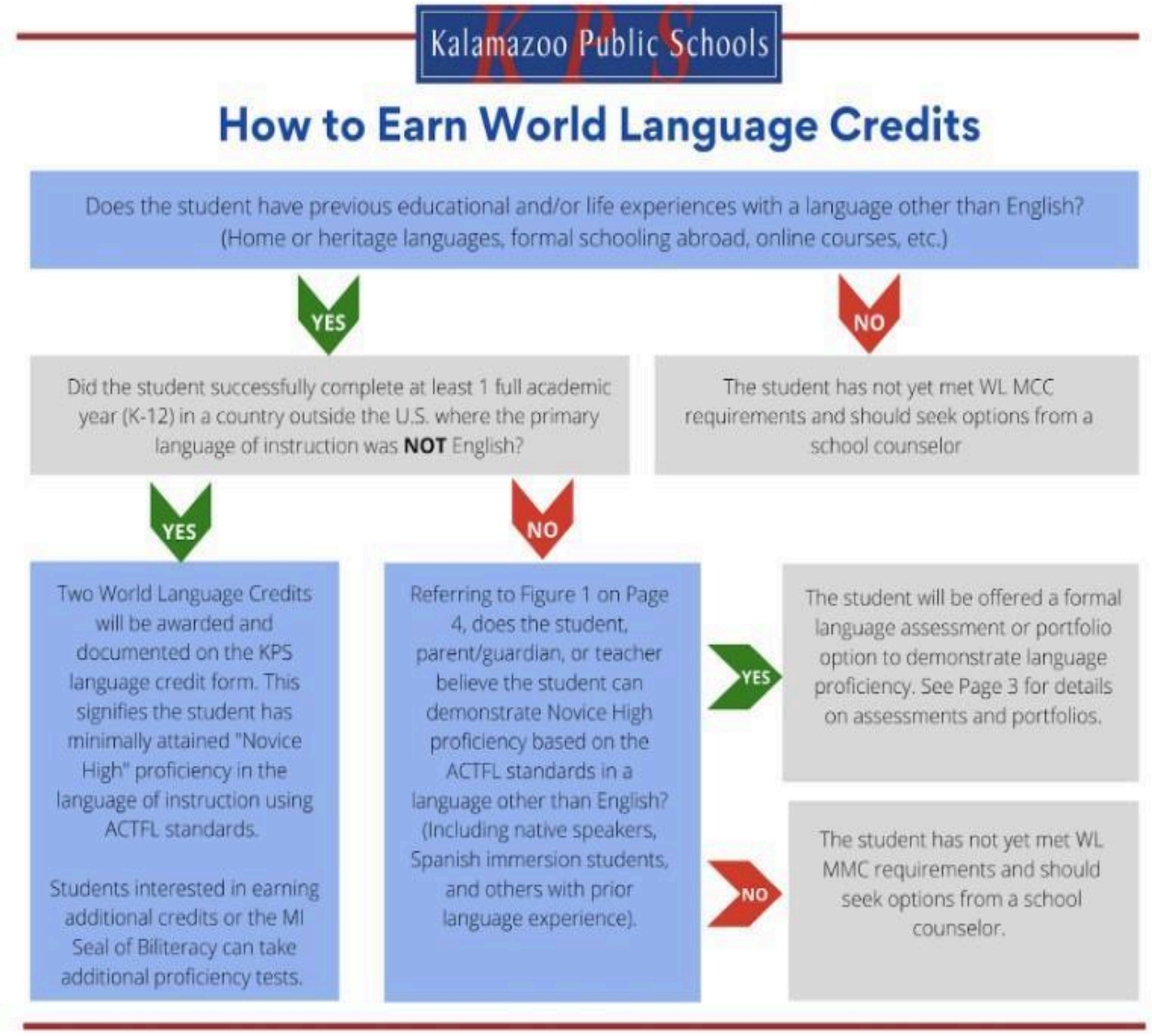
Engineering and Technology
1 Semester • 0.5 Credit
Course #: 70631VP
Qualifies for Physical Science Credit
Learn how the momentum of science is continually propelling engineers in new directions towards a future full of insight and opportunity. Explore the different branches of engineering and how problem-solving, sketching, collaboration, and experimentation can change the very fiber of our human lives. By examining astounding engineering feats and complex ongoing issues, you'll begin to question whether the word impossible really exists.

Leadership
1 Semester • 0.5 Credit
Course #: 55101VP
Recommended for students interested in developing strong leadership skills. Students taking this course will conceive, plan, execute, and evaluate a variety of school activities relating to transition of students into KPS Virtual School. Participants will be trained in necessary leadership and life skills such as setting and accomplishing goals; collaborating with others; effective communication; time management; meeting deadlines; and problem-solving. This course seeks to foster students' understanding of themselves and their capacity for leadership, and the importance.

World Languages

Two (2.0) World Language credits are required for graduation. Students may earn their two required World Language credits both in World Language courses, or may choose to earn one credit in a World Language course, and another with the substitution of one of the following:

1. Any course that meets the requirements for Visual, Performing or Applied Arts (VPAA) or,
2. Any CTE course.



World Languages

Current World Language Courses	
Course	**Number of Credits**
Advanced Placement French Language and Culture	1.0
Advanced Placement Latin	1.0
Advanced Placement Spanish Language and Culture	1.0
Chinese I (A & B)	1.0
Chinese II (A & B)	1.0
Chinese III (A & B)	1.0
French I (A & B)	1.0
French II (A & B)	1.0
French III (A & B)	1.0
Latin I (A & B)	1.0
Latin II (A & B)	1.0
Latin III (A & B)	1.0
Spanish I (A & B)	1.0
Spanish II (A & B)	1.0
Spanish III (A & B)	1.0

World Languages

Chinese Courses

Eighth grade students who passed Chinese I or the H.S. Chinese I test out exam will receive one (1.0) high school credit.

Chinese I A
1 Semester • 0.5 Credit
Course #: 9051-7
Prerequisite: None
This course focuses on the basic elements of Chinese and the cultures of the Chinese-speaking world. Students begin oral communication immediately, while written communication skills are developed gradually. Students are introduced to a rich variety of activities that develop communicative skills. Technology is used to reinforce learning.

Chinese I B
1 Semester • 0.5 Credit
Course #: 9051-8
Prerequisite: Chinese I A
Chinese I B continues the Chinese Level I course. It focuses on the basic elements of Chinese and the cultures of the Chinese-speaking world. Students continue to develop oral, reading, and written communication skills. Technology is used to reinforce learning.

Chinese II A
1 Semester • 0.5 Credit
Course #: 9052-7
Prerequisite: None
Chinese II A focuses on the continued development of competence in Chinese and knowledge of the cultures of the Chinese-speaking world. Reading material on familiar topics and writing short, directed compositions reinforce oral skills. Students have a growing awareness of the structure of the language. Technology is used to enhance learning.

Chinese II B
1 Semester • 0.5 Credit
Course #: 9052-8
Prerequisite: Chinese II A
Chinese II B continues the Chinese Level II course. It focuses on the elements of Chinese and the cultures of the Chinese-speaking world. Students continue to develop oral, reading, and written communication skills. Technology is used to reinforce learning.

Chinese III A
1 Semester • 0.5 Credit
Course #: 9053-7
Prerequisite: Chinese II B
Chinese III A focuses on the continued development of competence in Chinese and knowledge of the cultures of the Chinese-speaking world. Reading material on familiar topics and writing short, directed compositions reinforce oral skills. Students have a growing awareness of the structure of the language. Technology is used to enhance learning.

Chinese III B
1 Semester • 0.5 Credit
Course #: 9053-8
Prerequisite: Chinese III A
Chinese III B continues the Chinese Level III course. It focuses on the elements of Chinese and the cultures of the Chinese-speaking world. Students continue to develop oral, reading, and written communication skills. Technology is used to reinforce learning.

World Languages

French Courses

French I A
1 Semester • 0.5 Credit
Course #: 9021-2
Prerequisite: None
French 1 A focuses on the basic elements of French and the cultures of the French-speaking world. Students begin oral communication immediately while written communication skills are developed gradually. Technology is used to reinforce learning.

AND

French I B
1 Semester • 0.5 Credit
Course #: 9021-3
Prerequisite: French I A
French I B completes the French Level I course. It continues the focus on the basic elements of French and the cultures of the French-speaking world. Students continue to develop oral and written communication skills. Technology is used to reinforce learning.

French II A
1 Semester • 0.5 Credit
Course #: 9022-2
Prerequisite: French I B
French II A focuses on the continued development of competence in French and knowledge of the cultures of the French-speaking world. Reading material on familiar topics and writing short, directed compositions reinforce oral skills. Students have a growing awareness of the structure of the language. Technology is used to enhance learning.

AND

French II B
1 Semester • 0.5 Credit
Course #: 9022-3
Prerequisite: French II A
French II B completes the French Level II course. It continues to focus on the development of competence in French and knowledge of the cultures of the French-speaking world. Reading material on familiar topics and writing short, directed compositions reinforce oral skills. Students have a growing awareness of the structure of the language. Technology is used to enhance learning.

French III A
1 Semester • 0.5 Credit
Course #: 9023-7
Prerequisite: French II B
French III A focuses on various topics with an emphasis on the practical use of the language. Students use basic language structures with increasing accuracy and begin to combine learned material in new ways to express their thoughts. A component is the use of French beyond the classroom in the real world. Technology is used to enhance learning.

AND

French III B
1 Semester • 0.5 Credit
Course #: 9023-8
Prerequisite: French III A
French III B continues to focus on various topics with an emphasis on the practical use of the language. Students use basic language structures with increasing accuracy and begin to combine learned material in new ways to express their thoughts. An important component is the use of French beyond the classroom in the real world. Technology is used to enhance learning.

World Languages

Latin Courses

Latin I A
1 Semester • 0.5 Credit
Course #: 9041-2
Prerequisite: None
Site: Loy Norrix High School
Latin I A focuses on the basic elements of Latin and the culture of ancient Rome. While students begin oral communication immediately, the primary objective is to learn to read Latin with confidence. Listening, speaking, and writing skills are developed gradually. The course includes an introduction to Roman mythology and a study of English words derived from Latin.

Latin I B
1 Semester • 0.5 Credit
Course #: 9041-3
Prerequisite: Latin I A
Site: Loy Norrix High School
This course focuses on the basic elements of Latin and the culture of ancient Rome. While students begin oral communication immediately, the primary objective is to learn to read Latin with confidence. Listening, speak-ng, and writing skills are developed gradually. The course includes an introduction to Roman mythology and a study of English words derived from Latin.

Latin II A
1 Semester • 0.5 Credit
Course #: 9042-2
Prerequisite: Latin I B
Site: Loy Norrix High School
Latin II A focuses on the continued development of competence in Latin and knowledge of the culture of ancient Rome. Students have a growing awareness of the structure of the language and increase their ability to read Latin by developing the basic language skills. The study of Roman mythology and derivation of English words from Latin continue at this level.

AND

Latin II B
1 Semester • 0.5 Credit
Course #: 9042-3
Prerequisite: Latin II A
Site: Loy Norrix High School
Latin II B completes the Latin Level II course. It focuses on continued development of competence in Latin and knowledge of the culture of ancient Rome.

Latin III A
1 Semester • 0.5 Credit
Course #: 9043-7
Prerequisite: Latin II B
Site: Loy Norrix High School
Latin III A focuses on further development of competence in reading Latin with more complex grammatical structure. A more formal study of English derivatives and the opportunity to use written and spoken Latin-based English words are incorporated at this level. Interwoven with the Latin readings are topics from Roman mythology, history, and culture.

AND

Latin III B
1 Semester • 0.5 Credit
Course #: 9043-8
Prerequisite: Latin III A
Site: Loy Norrix High School
Latin III B continues to focus on further development of competence in reading Latin with more complex grammatical structure.

World Languages

Spanish Courses

Eighth grade students who passed Spanish I or the H.S. Spanish I test out exam will receive one (1.0) high school credit

Spanish I A
1 Semester • 0.5 Credit
Course #: 9011-2
Prerequisite: None
Spanish I A focuses on the basic elements of Spanish and the cultures of the Spanish-speaking world.

AND

Spanish I B
1 Semester • 0.5 Credit
Course #: 9011-3
Prerequisite: Spanish I A
Spanish I B completes the Spanish Level I course. It focuses on the basic elements of Spanish and the cultures of the Spanish-speaking world. Students begin oral communication immediately, while written communication skills are developed gradually. Technology is used to reinforce classroom learning.

Spanish II A
1 Semester • 0.5 Credit
Course #: 9012-2
Prerequisite: Spanish I B
Spanish II A focuses on the continued development of competence in Spanish and knowledge of the cultures of the Spanish-speaking world. Reading material on familiar topics and writing short, directed compositions reinforce oral skills. Students have a growing awareness of the structure of the language. Technology is used to enhance learning.

AND

Spanish II B
1 Semester • 0.5 Credit
Course #: 9012-3
Prerequisite: Spanish II A
Spanish II B completes the Spanish Level II course. It focuses on the continued development of competence in Spanish and knowledge of the cultures of the Spanish-speaking world. Reading material on familiar topics and writing short, directed compositions reinforce oral skills. Students have a growing awareness of the structure of the language.

Spanish III A
1 Semester • 0.5 Credit
Course #: 9013-7
Prerequisite: Spanish II B
Spanish III A focuses on various topics with an emphasis on the practical use of the language. Students use basic language structures with increasing accuracy and begin to combine learned material in new ways to express their thoughts. A component is the use of Spanish beyond the classroom. Technology is used to enhance learning.

Spanish III B
1 Semester • 0.5 Credit
Course #: 9013-8
Prerequisite: Spanish III A
Spanish III B focuses on various topics with an emphasis on the practical use of the language. Students use basic language structures with increasing accuracy and begin to combine learned material in new ways to express their thoughts. A component is the use of Spanish beyond the classroom. Technology is used to enhance learning.

World Languages

Advanced Placement Courses

[W] = Weighted Grade Value (see page 24)
[C] = College Credit Available - *Students can earn college credit by taking any of the following Advanced Placement courses and passing the AP Exam.*

AP courses are intended for students in grades 10-12.

Due to the rigor of AP courses, students are strongly encouraged to complete a summer assignment as suggested by the AP teacher. Content from summer assignments will be included on an assessment during the first semester. A packet with detailed course information is available in the principal's office.

[AP] [W] [C] Advanced Placement French Language and Culture
2 Semesters • 1.0 Credits
Course #: 9092-789
Prerequisite: French III B
This is a rigorous course in which students reach a high level of proficiency in reading, writing, listening, and speaking the French language. Students are taught advanced conversational skills to lead them toward greater functionality in the francophone culture. Advanced writing skills are also introduced using literature as a springboard for writing and discussion. Technology is used to enhance learning.

[AP] [W] [C] Advanced Placement Latin
2 Semesters • 1.0 Credits
Course #: 9094-789
Prerequisite: Latin III B
This is a rigorous course in which students study the Latin poet Vergil and his magnum opus, The Aeneid. Students will read, translate, understand, analyze, and interpret the books of The Aeneid required by the AP syllabus. In addition, students will study the cultural, social, and political context of the poem.

[AP] [W] [C] Advanced Placement Spanish Language and Culture
2 Semesters • 1.0 Credits
Course #: 9091-789
Prerequisite: Spanish III B
This is a rigorous course in which students cover advanced Spanish writing and conversational skills. The course encompasses listening/oral skills, reading, comprehension, grammar and composition. The course provides an opportunity for students to continue their success in the Spanish program and to prepare for higher-level programs in college. Extensive training in organization and writing of compositions are an integral part of this course.

Unique Programs and Services

In addition to traditional course offerings and class settings, the following unique programs and services are available to meet specific student needs:

Advanced Placement Courses

Advanced placement (AP) courses are offered to challenge students and provide an opportunity to earn college-level credit while enrolled in high school by taking the AP exam. All students enrolled in an AP course will be required to take the related AP exam in May. AP courses follow guidelines as suggested by The College Board. AP course descriptions found in this Bulletin are listed by department. AP courses not offered at your home school may be available at the other KPS high school or online through Michigan Virtual University (MVU). Consult your dean of students if you are interested.

Advanced Placement courses are intended for students in grades 10-12

Due to the rigor of AP courses, students are strongly encouraged to complete a summer assignment as suggested by the AP teacher. Content from summer assignments will be included on an assessment during the first semester.

A packet with detailed course information is available in the principal's office.

All advanced Placement (AP) courses, all Academically Talented Youth Program (ATYP) courses, and college-level KAMSC courses offer weighted grade values. Refer to page 24 for further information about weighted grades.

ATYP (Academically Talented Youth Program)

ATYP are classes offered in collaboration with Western Michigan University (WMU) to provide an accelerated high school curriculum for students possessing unusually high mathematics and verbal abilities. Classes meet on the campus of WMU for two and a half hours per week (September through June). Students must meet qualifications to be eligible to participate in ATYP. For more information, please contact WMU at (269) 387-3553. Your Dean of students can provide you with information regarding scheduling and credits.

Career and Technical Education (CTE)

This program is a county-wide consortium of school districts, KVCC and Kalamazoo/RESA. This program provides career and technical education opportunities, guidance, assessment,and job placement for all participating students. Because of the nature of CTE courses, space is limited. Applications are required for all CTE courses and are available in the Counseling Office. Course offerings begin on page 52 of this Bulletin of Courses.

Credit Retrieval

Students are required to pass all core academic courses. Students who do not successfully pass a course (required by graduation) will have to make up the course either during the regular school day (based on availability) or through alternative means (after-school program, summer school, or a KVCC course) and will have to pay the appropriate tuition and fees (where applicable). Credit retrieval is available through summer school, Edmentum Courseware, and Kalamazoo Valley Community College. Each is described below.

Summer School

KPS summer school offers students an opportunity to make up credit in core academic courses during the summer. Pertinent information regarding summer school will be made available in May through your guidance counselor or by contacting the Department of Secondary Education at 337-0168. As information becomes available, it will be posted on the Kalamazoo Public School's website at: www.kalamazoopublicschools.com.

Edmentum Courseware

Students have an opportunity to make up credit through Courseware, a computerized credit recovery system. Through Courseware, students work independently in a computer lab to complete an online course and recover credit. The lab is available at each high school during the school year. Interested students should contact their Counselor or Dean of Students for more information. Students who successfully complete a Courseware course will receive credit for the course. However, this format does not fulfill the MDE online experience.

Kalamazoo Valley Community College (KVCC)

Students must receive approval from the Dean of Students to make up courses at KVCC. Students are responsible for all related costs.

Unique Programs and Services

Dual Enrollment

Students in grades 9-12 have an opportunity to apply for dual enrollment in a local college or university.

Qualifications

1. Students must be in the 9th-12th grade.
2. Students must have received a dual enrollment qualifying score on one of the following exams: PLAN, ACT, PSAT, SAT, or MME for the particular content area in which they are requesting dual enrollment
3. The course must not be available at Kalamazoo Central, Loy Norrix, or Phoenix High School.
4. Students must be registered for the appropriate number of regular on-site high school courses.
5. Western Michigan University requires a 3.5 GPA for juniors and a 3.25 GPA for seniors.
6. Students wishing to dual enroll for the first semester must complete the dual enrollment process prior to the first day of school, and the second semester in early December. Failure to do so will result in a denial of dual enrollment status.
7. The Dean of Students must approve any change to a student's dual enrollment prior to the course change, or the student's dual enrollment status will be revoked.
8. Parents must reimburse the district's portion of tuition and fees for dropped courses before enrollment in future dual enrollment courses is considered.
9. Students dropping courses must appeal to the Dean of Students prior to enrolling in future courses.

Procedures

1. Pick up a dual enrollment form from the Dean of Students.
2. Fill out the form and return it to the Dean of Students for approval and signature.
3. Enroll in a class at the college or university. Be sure to take the completed dual enrollment form (with the Dean of Students' signature) when registering for the class at the college/university.
4. Bring a copy of the tuition bill to the Dean of Students.
5. The Dean of Students will adjust the high school schedule to reflect dual enrollment.
6. At the end of the college course, students must bring an OFFICIAL copy of their grades to the Dean of Students to close the dual enrollment case. Grade may be transferred to the high school transcript upon request. Failure to provide an OFFICIAL copy of the grades will result in the denial of future dual enrollment requests.

Important

1. Students need to reapply each semester for dual enrollment. Until all steps are taken, regular on-site high school courses will remain on the student's schedule.
2. Dual enrollment pays for tuition, application fees, and lab fees. It does not pay for parking, books, or transportation.
3. Dual enrollment is available at Western Michigan University, Kalamazoo College, and Kalamazoo Valley Community College.
4. Dual enrollment does not cover the full tuition at Kalamazoo College or Western Michigan University. The tuition balance is the responsibility of the student and his/her parents.
5. NCAA requires that the college/university send an official transcript directly to the higher education institution.
6. Dual enrollment courses shall be at least three credit hours, and each college course equates to one high school course on a student's high school schedule.
7. The student shall ensure that the time a dual enrollment class meets and transportation to and from it fall within the constraints of a full schedule of classes at the high school.

Textbooks

Kalamazoo public schools will fully or partially reimburse students for textbooks required for dual enrollment. The class is taken at a community college. The reimbursement amount is determined by a formula established by the Michigan Department of Education and will vary depending on course and textbook costs.

Reimbursement Procedure

In order to be reimbursed, the following criteria must be met:

1. Have a grade of 'C' or better as verified by a copy of the student's unofficial transcript.
2. At the end of the semester, you MUST sell back your books and have the bookstore employee fill out the amount for each book on the Buyback Receipt Form.
3. Submit a textbook reimbursement form with purchase/rental receipts, buyback/rental return receipts to Vicky Leatherman. Administration Building.
4. When receipts are received, the business office will calculate your refund up to the amount allotted by the state. This reimbursement amount is determined by a formula established by the Michigan Department of Education.

Unique Programs and Services

Edmentum Courseware

Students have an opportunity to make up credit through Courseware, a computerized credit recovery system. Please see Credit Retrieval on page 8 and courses on page 73 for additional information.

Education for the Arts (EFA)

The mission of this county-wide program is to enhance arts education for all students in the public and private schools of Kalamazoo County, making dance, literary arts, media arts, music, theatre, and visual arts an essential part of their comprehensive education. EFA offers intensive classes in the arts and is designed to provide especially talented and motivated students, the opportunity to explore their abilities in depth. Weekend and evening classes are available. Course offerings and descriptions begin on page 64.

Homework Standards

Homework is a critical component of a college-going culture in Kalamazoo. High school students in grades 9-12 are expected to spend between 90-120 minutes on daily homework assignments (more time may be required for advanced classes). The 30 minutes of nightly reading may be included in the homework.

Kalamazoo Area Math and Science Center

KAMSC offers a curriculum in accelerated math, science, and computer technology to high school students. The center educates the scientific and technical leaders of tomorrow in a nurturing environment focused on the technical and intellectual needs of advanced math and science students. Students attend KAMSC one-half of each school day and take their math, science, and technology courses. All remaining courses are taken at their home school. Acceptance into KAMSC is based upon application, teacher recommendation, results of the OLSAT, and a timed impromptu writing activity. Students attending the KAMSC should check with their counselor about deviations from the graduation requirements.

Michigan Virtual University (MVU)**

MVU is an online resource that provides courses taught by certified teachers. Through MVU, students can prepare for tests, take a variety of courses, and learn from any place where there is a computer and an internet connection. Students might consider MVU if they want to take a subject that is currently not offered at their high school, need to get around a scheduling conflict, or supplement learning experiences. Each semester of an MVU course is designed to count as a half-credit, and credit comes through the high school, not MVU. The cost of required textbooks for MVU courses will be covered by the district. Consult with the dean of students for more information and approval to enroll in MVU. For more information, go to www.mivu.org.

Online Learning Options

Students interested in online learning are encouraged to speak to their counselor about available options, including:

Online Advanced Placement (AP) Courses**

Online Advanced Placement (AP) Courses are available to high school students who excel in their everyday classes. Courses such as Oceanography, Human Geography, and AP Economics are available. Students must contact their guidance counselor and dean of students for more information and approval to enroll in such courses.

Online courses must be pre-approved by the high school dean, and are an option for students if:

- A scheduling conflict exists for a required course.
- The district doesn't offer a specific course.
- The student wishes to extend his/her school day.

PowerSchool

Parents and students have the ability to view attendance, grades, and coursework information via the Internet. For more information, please visit the KPS website at **www.kalamazoopublicschools.com** and click on Parents and then ***PowerSchool Parent Portal Login***. Login information can be obtained from your child's school.

Unique Programs and Services

School Business Partnerships

School Business Partnerships join area businesses, students, and teachers for mutual benefit. The Law course has a partnership with the Kalamazoo Criminal Justice System, and students in economics work with a business management consultant one day a week.

Student Assistance Program

This is a program that has well-trained professionals working toward prevention and intervention strategies for potential difficulties students may experience and for providing help to their families.

Student Services

The Department of Student Services coordinates a variety of instructional services for all students in KPS. This includes special education and related services for students who qualify under federal or state rules and regulations. Support Services will be provided according to the student's Individual Educational Plan (IEP).

All students are expected to have access to the general education curriculum in order to meet high school requirements. Local and state requirements for high school graduation are for ALL students, even those with an IEP or a Section 504 Plan. While modifications may be made in very limited cases for students with an IEP or Section 504 Plan, there are no "opt out" provisions.

The programs and services support each student's educational success and prepare him/her for employment or other post-school experiences. The IEP will determine educational services that will assist the student to prepare for transition from secondary education to post-secondary life. Students have a variety of experiences, including career exploration, job shadowing, and placement on and monitoring of job sites.

Students in grades 9-12 may be eligible for a personal curriculum. A personal curriculum (PC) is a documented process that modifies certain requirements of the Michigan Merit Curriculum (MMC), which must be met for the awarding of a high school diploma in Michigan. A personal curriculum must be requested on an individual basis and must meet certain conditions to be approved. The personal curriculum must be requested by the parent, legal guardian, or staff.

Students with an Individualized Education Plan (IEP) are eligible to modify the MMC to a greater extent than students without an IEP. The personal curriculum can be requested at any time for a student with a disability. For other students, timeline limitations apply. A student transferring into high school from outside the state or from a non-public school after the successful completion of two years of high school credit may be eligible for a personal curriculum.

Parents, legal guardians, or staff may request a personal curriculum by completing the appropriate form in the counseling office. All requests are reviewed by a personal curriculum committee, and approval is based upon individual student needs and the modification requested. Please note: Requesting a PC does not guarantee the personal curriculum modifications will be made (for more details, contact the counseling office).

Summer School

Students have an opportunity to make up credits due to attendance or poor academic performance during the summer. Space and course offerings are limited, and there is a cost for this option.

Testing Out for Credit

Section 380.1278(a) of the School State Code requires school districts . . . "to grant high school credit to a student enrolled in high school, but who is not enrolled in the course, and exhibits a reasonable level of mastery of the subject matter of the course by attaining a grade of not less than 'C' on a comprehensive exam".

Additional information about testing out is available in the counseling office at each high school. Refer to page 27 for more information about the test-out option.

Three, Four, and Five-Year Graduation Plans

The Kalamazoo Public Schools' high school graduation plan is flexible to meet the unique and varied needs of its students. Students may wish to accelerate their plan by graduating in fewer than four years, or in more than four years, if necessary. For specific details or to vary your plan, please consult with your building's Dean of Students.

Essential Characteristics of Quality Online Learning Experiences

In order to fulfill the Online Experience requirement through incorporating the 20 hours of online learning experiences, it should be noted that quality online learning experiences have common characteristics and meet METS (Michigan Educational Technology Standards - http://www.techplan.org/). While each experience may not address every characteristic, it is assumed that upon completion of the minimum collective 20 hours of experiences, **each of the following characteristics will have been represented**:

Characteristics of Online Learning	Explanation
Content Alignment and Use of Media Every experience is not only aligned with METS but must also be aligned with Content Standards that support and enhance your curriculum content.	• Align with state and local standards, benchmarks, and expectations. • Contain learning activities based on sound instructional design methodologies. • Utilize audio, video animation, simulations, and other engaging multimedia. • Provide opportunities to use online tools and applications that make learning more relevant to the real world.
Sustained Learning Meaningful online learning activities usually require a period of time for students to practice using technology tools, explore the virtual learning environment, and develop a comfort level in operating in this space.	• Provide an opportunity for students to work and learn in a virtual environment for a minimum accumulation of twenty hours. • Provide an opportunity for students to develop working relationships with an educator and other students who do not attend their local school.
Life-long Learning Skills As a result of the online learning experiences, students will develop proficiencies for online learning throughout their lives. They will become lifelong learners and will develop and embrace online skills through accessing, analyzing, and evaluating information resources; incorporating communication skills; and practicing problem-solving, interpersonal, and self-directional skills.	• Access, analyze, and manage or store information gathered from online sources. • Evaluate information from various online resources for accuracy, bias, appropriateness, and comprehensiveness. • Create and share electronic documents and multimedia materials with educators and other students. • Post messages to threaded discussions, participate in simultaneous chats, blogs, and/or similar forms of communication. • Make independent learner decisions. • Develop, implement, and communicate new ideas to others via the internet. • Monitor one's own learning needs and take responsibility for meeting these needs. • Demonstrate network etiquette and ethical behavior in an online community context. • Navigate websites and other online resources, such as Podcasts, and determine the value and reliability of content collected. • Take tests, complete assignments, and respond to instructor feedback in an online environment. • All students are required to be involved in developing working relationships with an educator and other students online. • Look for online collaboration tools, such as a learning management system that must also include collaborative tools such as discussions/forums, Wikis, and Google Docs and Spreadsheets, where students can work cooperatively simultaneously and separately.
Educator, Expert, and Student Involvement Students learn best in an online learning environment when they have the opportunity to interact with educators, other adult experts, and other students.	• Include an instructor who can facilitate student learning, online discussions, and other activities. • Provide an opportunity for students to work and learn in a virtual environment for a minimum accumulation of twenty hours. • Utilize teacher-driven online assessments or other tools that offer instructor feedback to students.
Technology Tools In the digital world, students need to learn to use the tools that are essential to everyday life and workplace productivity.	• Use a laptop or desktop computer, Internet connection, MP3 player, camcorder, digital camera, personal digital assistant, cell phone, or other multimedia device. • Use spreadsheets, databases, email programs, word processors, Web browsers, search engine software, calendar tools, groupware, or graphical and multimedia programs for presentations.

Essential Characteristics of Quality Online Learning Experiences

Student:_____ Current Grade: _____ Student ID:_____

School:_____ Projected Graduation Year: _____

Counselor:_____ Date:_____

☐ I have fulfilled the minimum 20 hours of online learning experiences in accordance with the Online Experience Guidelines published by the Michigan Department of Education.

☐ I have explained and included details (online experience, course titles, format/delivery, content, dates, etc.) on how the Essential Characteristics of Quality Online Learning Experiences have been met. I have attached all supporting documentation to this form. (*See page 131 for explanation of Essential Characteristics of Quality Online Learning Experiences*.)

☐ My_____ instructor has incorporated and integrated the online experience into my _____ course

Above is an accurate representation of my academic career. I understand there may be consequences associated with inaccuracies in the above information.

Student's Signature: _____ Date: _____

Parent/Guardian's Signature: _____ Date: _____

COMPLETE THIS FORM AND RETURN TO YOUR COUNSELOR
(This waiver must include student **AND** parent/guardian signatures.)

OFFICE USE ONLY

Date Received: _____

Student □ HAS □ HAS NOT met the waiver conditions

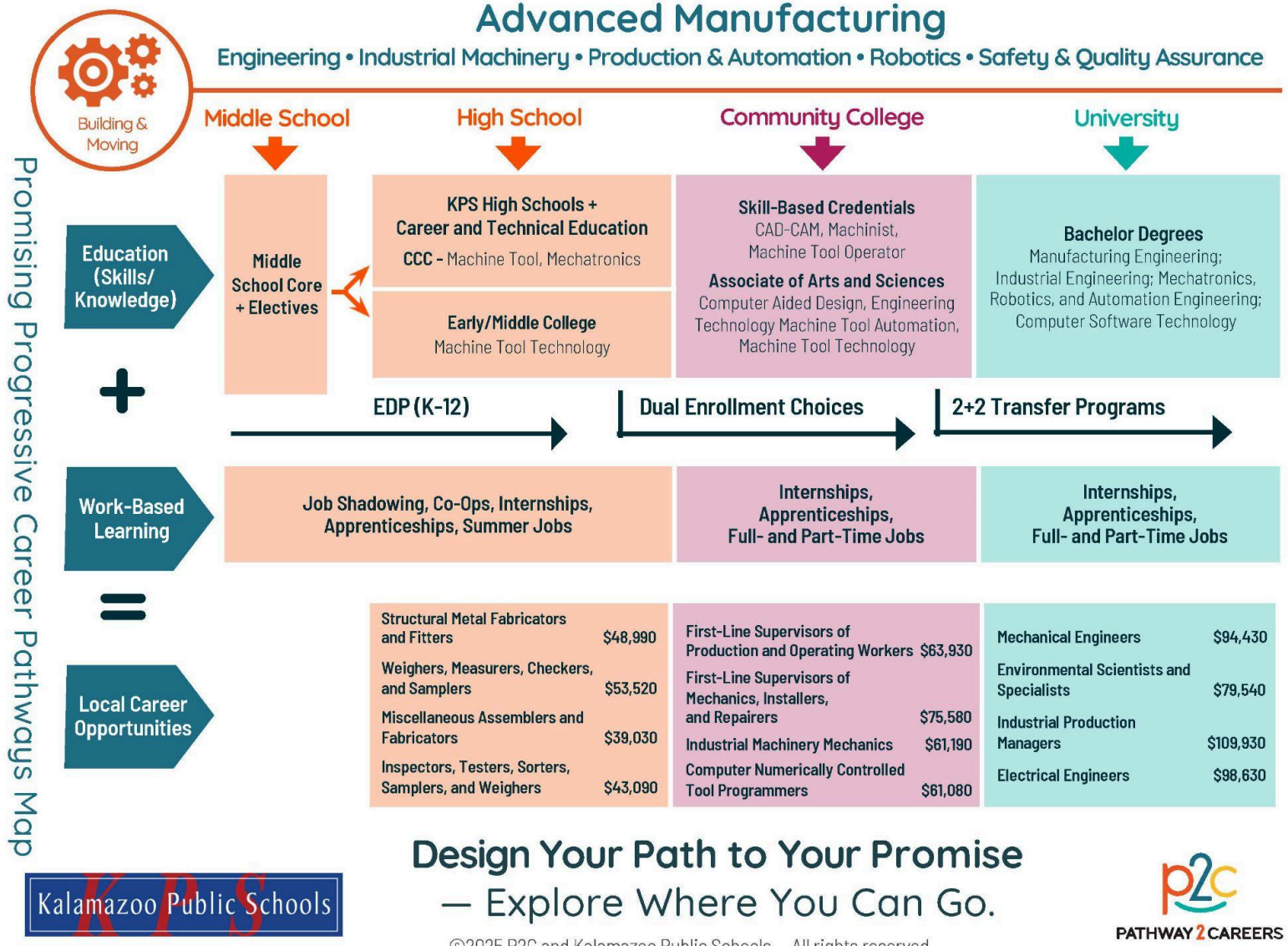
□ Verified: _____ _____
Counselor's Signature Dean of Students' Signature

Merit Academic Credit (MAC)

Students may earn academic credit in math, ELA, science, world language, and/or Visual, Performing, and Applied Arts through specific Board-approved Career Technical Education (CTE) courses offered through the KPS Business Education, Marketing, Family and Consumer Science, Career and Technical Education (CTE), and Education for the Arts (EFA) departments. Such courses are identified throughout this bulletin **[MAC]**. These identified courses, which although taught in another department, have a high degree of course objectives that teach computers, mathematics, the arts, or science concepts and skills.

Course	Department Page #	Merit Credit
Accounting B	Business Education pg. 41	4th Related Math 3rd Science 2nd World Language
Automotive Technology	CTE pg. 56	4th Related Math 3rd Science 2nd World Language
Aviation Technology	CTE pg. 56	4th Related Math 3rd Science 2nd World Language
Basic Marketing	Business Education pg. 44	Visual, Performing, and Applied Arts 4th Related Math 2nd World Language
Business Finance	Business Education pg. 42	4th Related Math (0.5) 2nd World Language (0.5)
Business Information Systems	Business Education pg. 43	Visual, Performing, and Applied Arts 4th Related Math 2nd World Language
Business Law	Business Education pg. 43	2nd World Language (0.5)
Conservation Biology	CTE pg. 50	3rd Science 2nd World Language
Construction Trades	CTE pg. 51	Visual, Performing, and Applied Arts 4th Related Math 3rd Science 2nd World Language
Culinary Arts	CTE pg. 52	Visual, Performing, and Applied Arts 4th Related Math 3rd Science 2nd World Language
Dental Assisting	CTE pg. 52	3rd Science 2nd World Language
Educator Academy	CTE pg. 54	Visual, Performing, and Applied Arts 2nd World Language 3rd Science
Electrical Technology	CTE pg. 51	4th Related Math 3rd Science 2nd World Language
Emergency Medical Technician	CTE pg. 52	3rd Science 2nd World Language
Film and Video Arts	EFA pg. 60	2nd World Language

Course	Department Page #	Merit Credit
Food and Nutrition	Family & Consumer Sci. pg. 83	Visual, Performing, and Applied Arts .5 2nd World Language
Heating, Ventilation, Air Conditioning, and Refrigeration	CTE pg. 51	4th Related Math 3rd Science 2nd World Language
Horticulture	CTE pg. 50	3rd Science Credit 2nd World Language
International Business	Business Education pg. 43	4th Related Math (0.5) 2nd World Language (0.5)
Marketing, Entrepreneurship, and Career Plan	Business Education pg. 44	2nd World Language
Mechatronics	CTE pg. 55	4th Related Math 3rd Science
Parenting	Family & Consumer Sci. pg. 83	Visual, Performing, and Applied Arts 2nd World Language
School Store: Maroon Shop	Business Education pg. 45	2nd World Language (0.5)
Sports and Entertainment Management	Business Education pg. 45	2nd World Language (0.5)
Veterinary Science	CTE pg. 50	3rd Science 2nd World Language
Welding	CTE pg. 55	Visual, Performing, and Applied Arts 4th Related Math 3rd Science 2nd World Language


Advanced Manufacturing
Engineering • Industrial Machinery • Production & Automation • Robotics • Safety & Quality Assurance
Building & Moving
Middle School
High School
Community College
University
Education (Skills/ Knowledge)
Middle School Core + Electives
KPS High Schools + Career and Technical Education
CCC - Machine Tool, Mechatronics
Early/Middle College
Machine Tool Technology
Skill-Based Credentials
CAD-CAM, Machinist, Machine Tool Operator
Associate of Arts and Sciences
Computer Aided Design, Engineering Technology Machine Tool Automation, Machine Tool Technology
Bachelor Degrees
Manufacturing Engineering; Industrial Engineering; Mechatronics, Robotics, and Automation Engineering; Computer Software Technology
EDP (K-12)
Dual Enrollment Choices
2+2 Transfer Programs
Work-Based Learning
Job Shadowing, Co-Ops, Internships, Apprenticeships, Summer Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Local Career Opportunities
Structural Metal Fabricators and Fitters $48,990
Weighers, Measurers, Checkers, and Samplers $53,520
Miscellaneous Assemblers and Fabricators $39,030
Inspectors, Testers, Sorters, Samplers, and Weighers $43,090
First-Line Supervisors of Production and Operating Workers $63,930
First-Line Supervisors of Mechanics, Installers, and Repairers $75,580
Industrial Machinery Mechanics $61,190
Computer Numerically Controlled Tool Programmers $61,080
Mechanical Engineers $94,430
Environmental Scientists and Specialists $79,540
Industrial Production Managers $109,930
Electrical Engineers $98,630
Promising Progressive Career Pathways Map
Kalamazoo Public Schools
Design Your Path to Your Promise
— Explore Where You Can Go.
©2025 P2C and Kalamazoo Public Schools — All rights reserved.
PATHWAY 2 CAREERS

Advanced Manufacturing

Design Your Path to Your Promise — Here's How You Can Get There.

	English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
MIDDLE SCHOOL	English	6th Grade Math or Accelerated Math	6th Grade Science	Social Studies	Mandarin Chinese	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart
	English	7th Grade Math or Accelerated Math	7th Grade Science	Social Studies	Spanish for Begin. (Elective)	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart
	English	8th Grade Math or Algebra	Science/Robotics	Social Studies	Spanish Intermediate	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart

	English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
HIGH SCHOOL	English 9 / Honors English	Algebra 1 and Geometry	Environ. Science & Biology (CEB)	World History	Mandarin Chinese	PE	Tech Smart	Band, Orchestra, or Choir and other career-related programs below.
	English 10 / Honors English	Geometry or Algebra II	Biology (DEE) or Chemistry or Physics	US History	Mandarin Chinese	Health	College/Career Readiness	
	English 11 A or Honors or AP	Algebra II or Pre-Calculus	Physics or Chemistry or Earth Science	Gov or AP Gov	Mandarin Chinese / French	Drafting	Economics	
	College Eng. 12 or Honors Eng.	Pre-Calculus or AP Calculus	Astronomy or Geology	Social Studies Elective	Mandarin Chinese / French	Fine Arts	Electronics & Robotics	

Grade	Possible Career-Connected Pathway Choices	
9	Computer Science/Software Engineering	Information Technology
10-12	Electronics & Robotics I and II	Drafting: General, Architectural, and Mechanical
10-12	Computerized Manufacturing	Mechatronics: Robotics & Automation
11-12	Statistics	Machine Tools

Dual Enrollment Courses

- Beginning Computer Skills
- Fundamentals of Tech Drawing
- Fundamentals of Machine Tool Ops
- Basics of Mechanical Science
- Trends in Manufacturing
- CAD Design

Postsecondary Programs/Majors for Occupations in this Career Cluster

Certificates and Associate's Degrees	Bachelor's and Advanced Degrees
• Machinist Certificate • CAD-CAM Certificate • Machine Tool Operator, COA • CNC Operator, COA • Computer Aided Design, AAS • Engineering Technology, AAS • Machine Tool Tech., AAS	• Mechanical Engineering • Manufacturing Engineering • Industrial Engineering • Robotics Technology • Electrical/Electronic Engineering Technology

Kalamazoo Public Schools

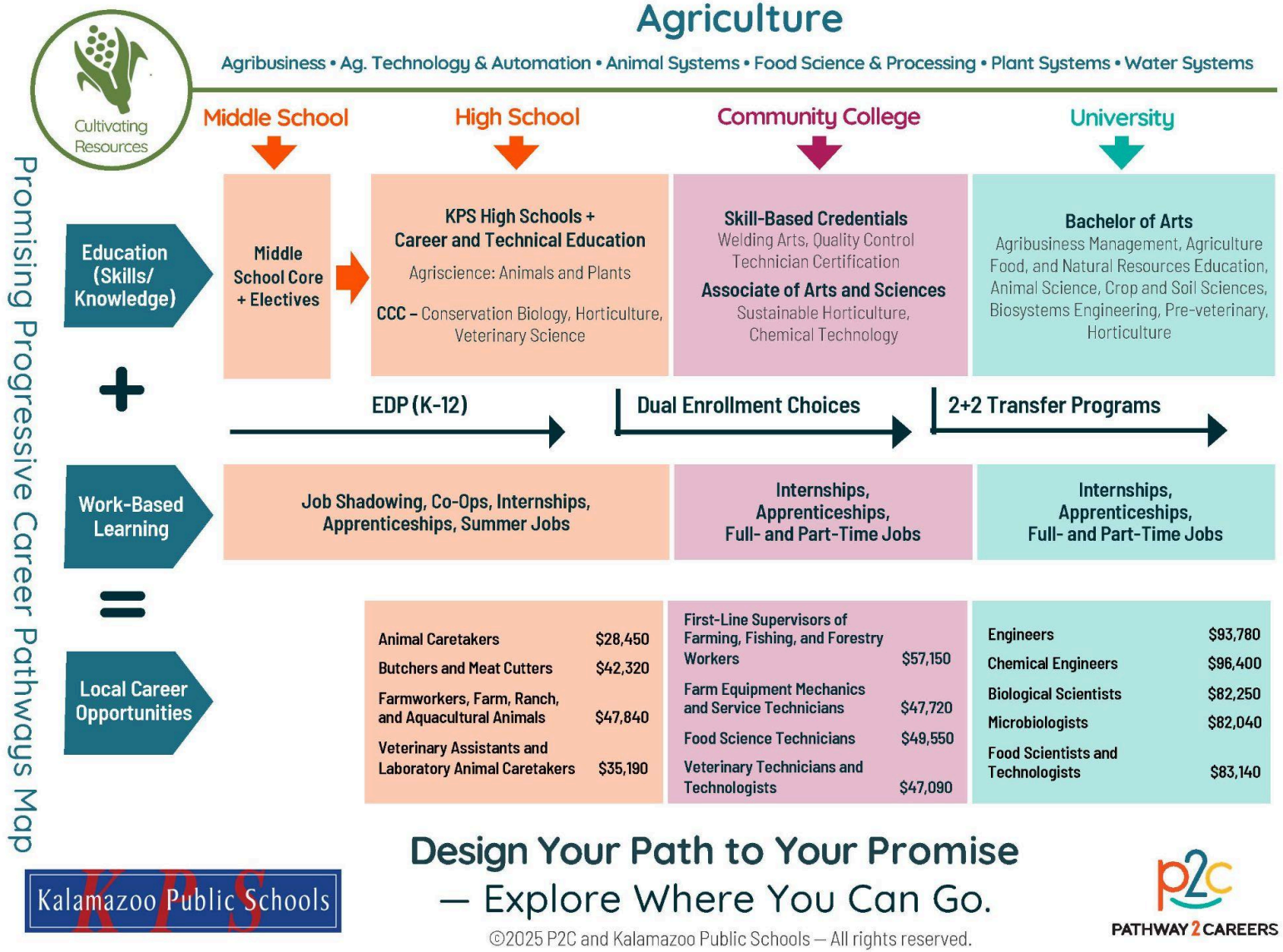
©2025 P2C and Kalamazoo Public Schools — All rights reserved.

P2C PATHWAY 2 CAREERS

Advanced Manufacturing: *Engineering and Producing Tomorrow's Solutions*	
Cluster Definition: The Advanced Manufacturing Career Cluster blends innovative technologies and practices to enhance design and production. It covers areas such as engineering, research and development, automation and artificial intelligence, equipment maintenance, safety protocols, and quality control. This Cluster aims to increase efficiency, reduce waste, ensure safety, and produce high-quality goods, driving the industry's growth and adapting to modern demands.	
Sub-Clusters	**Example Programs of Study**
Engineering: Careers that use engineering principles to develop and improve manufacturing processes and systems and to design products. Professionals in this field tackle production challenges, boost efficiency, leverage advanced technologies, and contribute to the sector's advancement. The manufacturing sector encompasses numerous types of engineering, including mechanical, electrical, chemical, biopharmaceutical, materials, and industrial. This Sub-Cluster also involves research and development and prototyping for emerging products and systems.	Engineering & Technology Pre-Engineering Semiconductor Manufacturing Engineering Technology
Industrial Machinery: Careers focused on working with manual equipment, such as computer-numerical-controlled (CNC) machines, 3D printers, quality control equipment, material handling tools, maintenance and repair devices, specialized machining and surface treatment machines, fabrication equipment, and energy management systems. Professionals in this field set up, operate, maintain, and repair advanced machinery, ensuring efficient and safe performance.	Industrial Machine Mechanics Precision Machining
Production & Automation: Careers centered on the hands-on management and execution of manufacturing processes. This field involves automation, overseeing production lines, quality control, assembly and product finishing, and ensuring efficient workflow. This Sub-Cluster includes specialized sectors such as processed food and beverage production and textile manufacturing, emphasizing efficiency and adherence to industry standards across diverse production types.	Apparel & Textile Production Manufacturing Production Process Development
Robotics: Careers involved in developing, implementing, and maintaining technologies that deploy robotics. This field encompasses roles focused on programming robots; overseeing production lines enhanced by robotics, mechatronics, and smart manufacturing concepts; and ensuring that these technologies operate efficiently and safely.	Industry 4.0 Robotics Technology
Safety & Quality Assurance: Careers dedicated to ensuring workplace safety, worker health, environmental compliance, and product quality. Professionals in this field develop and implement standards and practices to maintain safe and sustainable operations while conducting rigorous testing and inspections to uphold product integrity.	Safety & Environmental Assurance

Career Clusters
Pathways to College & Career Readiness

ADVANCE CTE
State Leaders Connecting Learning to Work


Agriculture
Agribusiness • Ag. Technology & Automation • Animal Systems • Food Science & Processing • Plant Systems • Water Systems
Cultivating Resources
Promising Progressive Career Pathways Map
Middle School
High School
Community College
University
Education (Skills/ Knowledge)
Middle School Core + Electives
KPS High Schools + Career and Technical Education
Agriscience: Animals and Plants
CCC – Conservation Biology, Horticulture, Veterinary Science
Skill-Based Credentials
Welding Arts, Quality Control Technician Certification
Associate of Arts and Sciences
Sustainable Horticulture, Chemical Technology
Bachelor of Arts
Agribusiness Management, Agriculture Food, and Natural Resources Education, Animal Science, Crop and Soil Sciences, Biosystems Engineering, Pre-veterinary, Horticulture
EDP (K-12)
Dual Enrollment Choices
2+2 Transfer Programs
Work-Based Learning
Job Shadowing, Co-Ops, Internships, Apprenticeships, Summer Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Local Career Opportunities
Animal Caretakers $28,450
Butchers and Meat Cutters $42,320
Farmworkers, Farm, Ranch, and Aquacultural Animals $47,840
Veterinary Assistants and Laboratory Animal Caretakers $35,190
First-Line Supervisors of Farming, Fishing, and Forestry Workers $57,150
Farm Equipment Mechanics and Service Technicians $47,720
Food Science Technicians $49,550
Veterinary Technicians and Technologists $47,090
Engineers $93,780
Chemical Engineers $96,400
Biological Scientists $82,250
Microbiologists $82,040
Food Scientists and Technologists $83,140
Kalamazoo Public Schools
Design Your Path to Your Promise
— Explore Where You Can Go.
©2025 P2C and Kalamazoo Public Schools — All rights reserved.
p2c
PATHWAY 2 CAREERS

Agriculture

Design Your Path to Your Promise — Here's How You Can Get There.

	English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
MIDDLE SCHOOL	English	6th Grade Math or Accelerated Math	6th Grade Science	Social Studies	Spanish for Beginners (Elective)	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart
	English	7th Grade Math or Accelerated Math	7th Grade Science	Social Studies	Spanish Intermediate	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart
	English	8th Grade Math or Algebra	Science/Robotics	Social Studies	Spanish 1	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart

	English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
HIGH SCHOOL	English 9 / Honors English	Algebra 1 or Geometry	Environ. Science & Biology (CEB)	World History	Spanish	PE	Tech Smart	Band, Orchestra, or Choir or other career programs below.
	English 10 / Honors English	Geometry or Algebra II	Biology (DEE) or Chemistry or Physics	US History	Spanish	Health	College/Career Readiness	
	English 11 A or Honors or AP	Algebra II and/or Personal Finance	Earth Science	Gov or AP Gov	Spanish / French	Eco Art	Economics	
	College Eng. 12 or Honors Eng.	Pers. or Bus. Fin. or Stageology	Geology	Social Studies Elective	Spanish / French	Fine Arts	Conservation Biology	

Grade	Possible Career-Connected Pathway Choices	
9	Earth Science A & B	Eco Art
10-12	Agriscience: Animals & Plants	Horticulture
10-12	Conservation Biology	Biotechnology A&B
12	Veterinary Science	Welding

Dual Enrollment Courses

- Cellular Biology
- Fundamentals of Physics
- Introduction to Horticulture
- Introduction to Sustainable Food Systems
- Introduction to Welding
- Horticultural Management

Postsecondary Programs/Majors/Apprenticeships for Occupations in this Career Cluster

Certificates, Associate's Degrees, and Apprenticeships	Bachelor's and Advanced Degrees
• Sustainable Horticulture, AAS • Chemical Technology, AAS • Welding Arts • Quality Control Technician Certification	• Agribusiness Management • Agriculture ,Food, and Natural Resources Education • Animal Science • Crop and Soil Sciences • Biosystems Engineering • Pre-veterinary • Horticulture

Kalamazoo Public Schools

©2025 P2C and Kalamazoo Public Schools — All rights reserved.

P2C PATHWAY 2 CAREERS

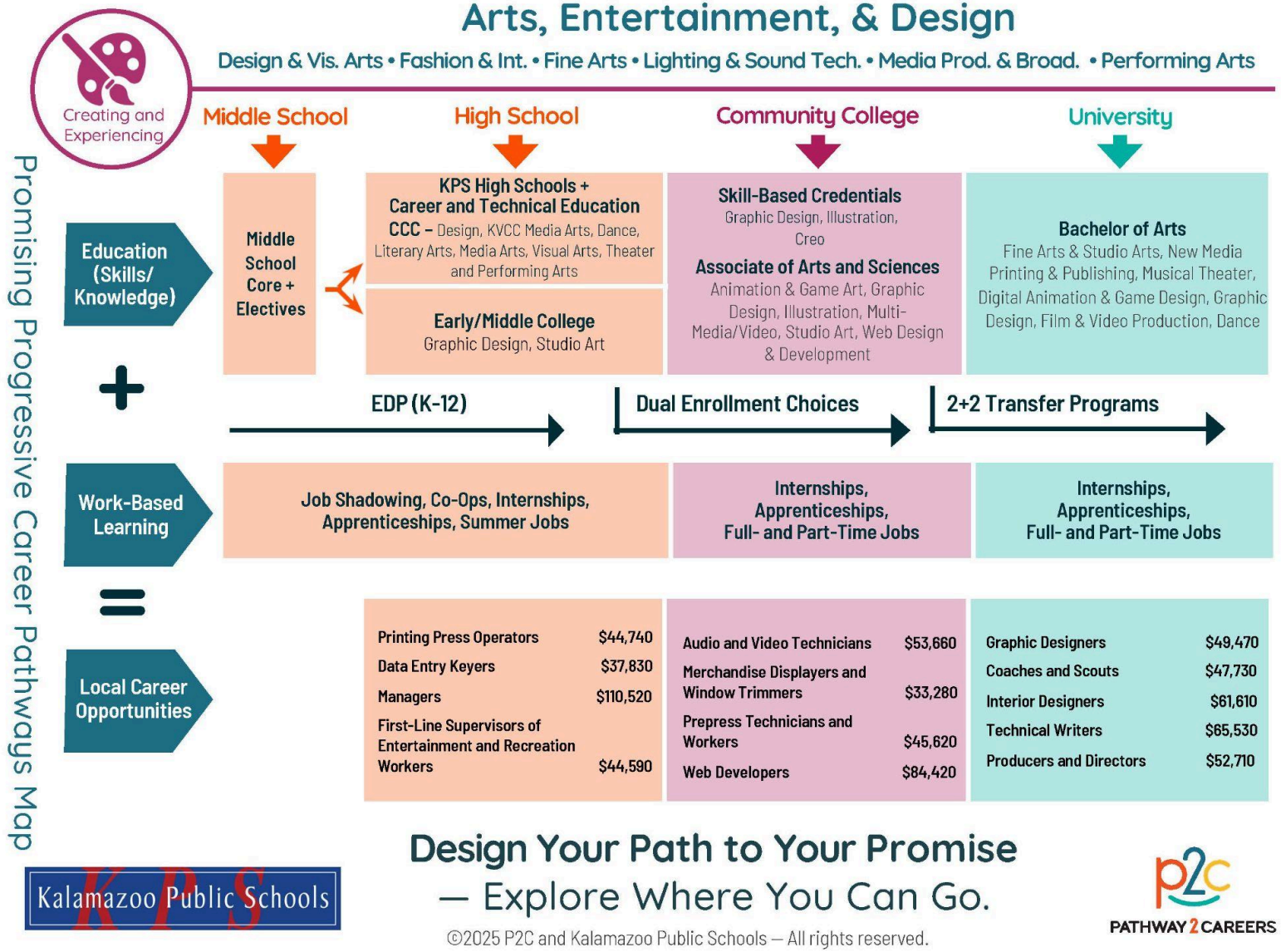
Agriculture: *Cultivating Sustainability & Nourishing the World*

Cluster Definition: The Agriculture Career Cluster concentrates on scientific advancement of agriscience, cultivation, processing, and distribution of agricultural products, employing advanced technologies and sustainable practices to optimize global food systems. This Cluster also supports other plant- and animal-based industries including regenerative agriculture, sustainable logging, and fisheries. This Cluster has meaningful connections with the Energy and Natural Resources Cluster, highlighting a symbiotic relationship that emphasizes stewardship and resilient communities.

Sub-Clusters	Example Programs of Study
Agribusiness: Careers focused on the economic aspects of agriculture, encompassing farm and rangeland management, agribusiness finance, international relations, supply chain management, and other functions that are essential for agricultural profitability. Professionals in this field manage farms and ranches of various scales and oversee agricultural finances, which are crucial functions for profitable and sustainable agricultural enterprises.	Agribusiness Agricultural Policy Agricultural Finance
Agricultural Technology & Automation: Careers at the intersection of agriculture and technology, focusing on the design and operation of agricultural equipment and systems; repair and maintenance of agricultural equipment; and agricultural engineering, mechanics, and automation processes. This Sub-Cluster includes innovative farming methods such as precision, urban, and vertical farming to increase efficiency, productivity, and sustainability in agriculture.	Agricultural Technology Precision Agriculture Urban Farming Agricultural Mechanics
Animal Systems: Careers that both promote the health and well-being of animals, including companion, livestock, and exotic animals, and facilitate the efficient production of animal-related products within the food system. For livestock and poultry, professionals in this field aim to optimize the production of meat, dairy, eggs, and other animal products. Careers in this field also include veterinary and other services to manage the care, breeding, behavior, enrichment, and management of animals. This Sub-Cluster also incorporates genetics, nutrition, biotechnology, and pharmaceuticals to improve animal welfare and production efficiency.	Animal Nutrition Livestock Management Veterinary Science
Food Science & Processing: Careers centered on applying scientific and technological principles to the development, enhancement, processing, and usability of agricultural food products. Professionals in this field work with fruit, vegetable, grain, and meat processing, ensuring that these products are nutritious and safe for consumption. This Sub-Cluster is crucial in maintaining quality control and nutritional value, enhancing product freshness, and meeting consumer and regulatory standards.	Food Science Meat Science Sustainable Food & Farming
Plant Systems: Careers involving the study and management of plant growth, soil health, and pest management, focusing on sustainable crop production for both food and goods. This Sub-Cluster includes careers in agronomy, horticulture, timber and plant fiber harvesting, and soil science that are aimed at enhancing crop yields, preserving soil resources, and developing advanced production practices.	Horticulture Forestry Plant Science Floriculture
Water Systems: Careers centered on the effective management and use of water resources in agricultural settings, including precision irrigation, aquaculture, and fisheries. Professionals in this field are dedicated to maximizing water efficiency and productivity in farming operations to enhance crop yield and support sustainable fish farming practices.	Aquaculture Marine Biology

Career Clusters
Pathways to College & Career Readiness

ADVANCE CTE
State Leaders Connecting Learning to Work


Arts, Entertainment, & Design
Design & Vis. Arts • Fashion & Int. • Fine Arts • Lighting & Sound Tech. • Media Prod. & Broad. • Performing Arts
Creating and Experiencing
Promising Progressive Career Pathways Map
Middle School
High School
Community College
University
Education (Skills/ Knowledge)
Middle School Core + Electives
KPS High Schools + Career and Technical Education
CCC – Design, KVCC Media Arts, Dance, Literary Arts, Media Arts, Visual Arts, Theater and Performing Arts
Early/Middle College
Graphic Design, Studio Art
Skill-Based Credentials
Graphic Design, Illustration, Creo
Associate of Arts and Sciences
Animation & Game Art, Graphic Design, Illustration, Multi-Media/Video, Studio Art, Web Design & Development
Bachelor of Arts
Fine Arts & Studio Arts, New Media Printing & Publishing, Musical Theater, Digital Animation & Game Design, Graphic Design, Film & Video Production, Dance
EDP (K-12)
Dual Enrollment Choices
2+2 Transfer Programs
Work-Based Learning
Job Shadowing, Co-Ops, Internships, Apprenticeships, Summer Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Local Career Opportunities
Printing Press Operators $44,740
Data Entry Keyers $37,830
Managers $110,520
First-Line Supervisors of Entertainment and Recreation Workers $44,590
Audio and Video Technicians $53,660
Merchandise Displayers and Window Trimmers $33,280
Prepress Technicians and Workers $45,620
Web Developers $84,420
Graphic Designers $49,470
Coaches and Scouts $47,730
Interior Designers $61,610
Technical Writers $65,530
Producers and Directors $52,710
Kalamazoo Public Schools
Design Your Path to Your Promise
— Explore Where You Can Go.
©2025 P2C and Kalamazoo Public Schools — All rights reserved.
P2C
PATHWAY 2 CAREERS

Arts, Entertainment, & Design

Design Your Path to Your Promise — Here's How You Can Get There.

	English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
MIDDLE SCHOOL	English	6th Grade Math or Accelerated Math	6th Grade Science	Social Studies	Spanish for Beginners (Elective)	Physical Ed./ 6th Gr. Art Studio	Life Skills	Tech Smart/Band Orchestra, or Choir
	English	7th Grade Math or Accelerated Math	7th Grade Science	Social Studies	Spanish Intermediate	Physical Ed./ 7th Gr. Art Studio	Life Skills	Tech Smart/Band Orchestra, or Choir
	English	8th Grade Math or Algebra	Science/Robotics	Social Studies	Spanish 1	Physical Ed./ 8th Gr. Art Studio	Life Skills	Tech Smart/ Art Foundations
	English Language Arts	**Math**	**Science**	**Social Studies**	**World Language**	**Enrichment**	**Career Readiness**	**Elective Focus**
HIGH SCHOOL	English 9 / Honors English	Algebra and Geometry	Environ. Science & Biology (CEB)	World History	French	PE	Tech Smart	Band, Orchestra, or Choir or other career programs below.
	English 10 / Honors English	Geometry or Algebra II	Biology (DEE) or Chemistry or Physics	US History	French	Health	College/Career Readiness	
	English 11 A or Honors or AP	Algebra II or Personal Finance	Earth Science or Physics	Gov or AP Gov	French / Mandarin Chinese	Visual Arts Exploration	Economics	
	College Eng. 12 or Honors Eng.	Statistics or Math Modeling	Geology or Astronomy	Social Studies Elective	French / Mandarin Chinese	Fine Arts	Mixed Media	

Grade	Possible Career-Connected Pathway Choices	
9	Art Foundations	Beginning Dance/ World Dance
10-12	Drawing Studio	Mixed Media
10-12	Photography	Visual Arts Exploration
10-12	AP Studio Art Portfolio	Film and Video Arts

Dual Enrollment Courses

- Adobe Creative Suite
- Bus Practices/Creative Careers
- Public Speaking
- Video Production
- Multimedia
- Audio Production
- Storyboarding
- 2D Design & Color Theory
- College Writing I

Postsecondary Programs/Majors/Apprenticeships for Occupations in this Career Cluster

Certificates, Associate's Degrees, and Apprenticeships	Bachelor's and Advanced Degrees
• Animation & Game Art, AAS • Graphic Design, AAS • Illustration, AAS • Multi-Media/Video, AAS • Studio Art, AA • Web Design & Development, AAS • Graphic Design Certificate • Illustration Certificate	• Fine Arts & Studio Arts • New Media Printing & Publishing • Musical Theater • Digital Animation & Game Design • Graphic Design • Film & Video Production • Dance

Kalamazoo Public Schools

©2025 P2C and Kalamazoo Public Schools — All rights reserved.

P2C PATHWAY 2 CAREERS

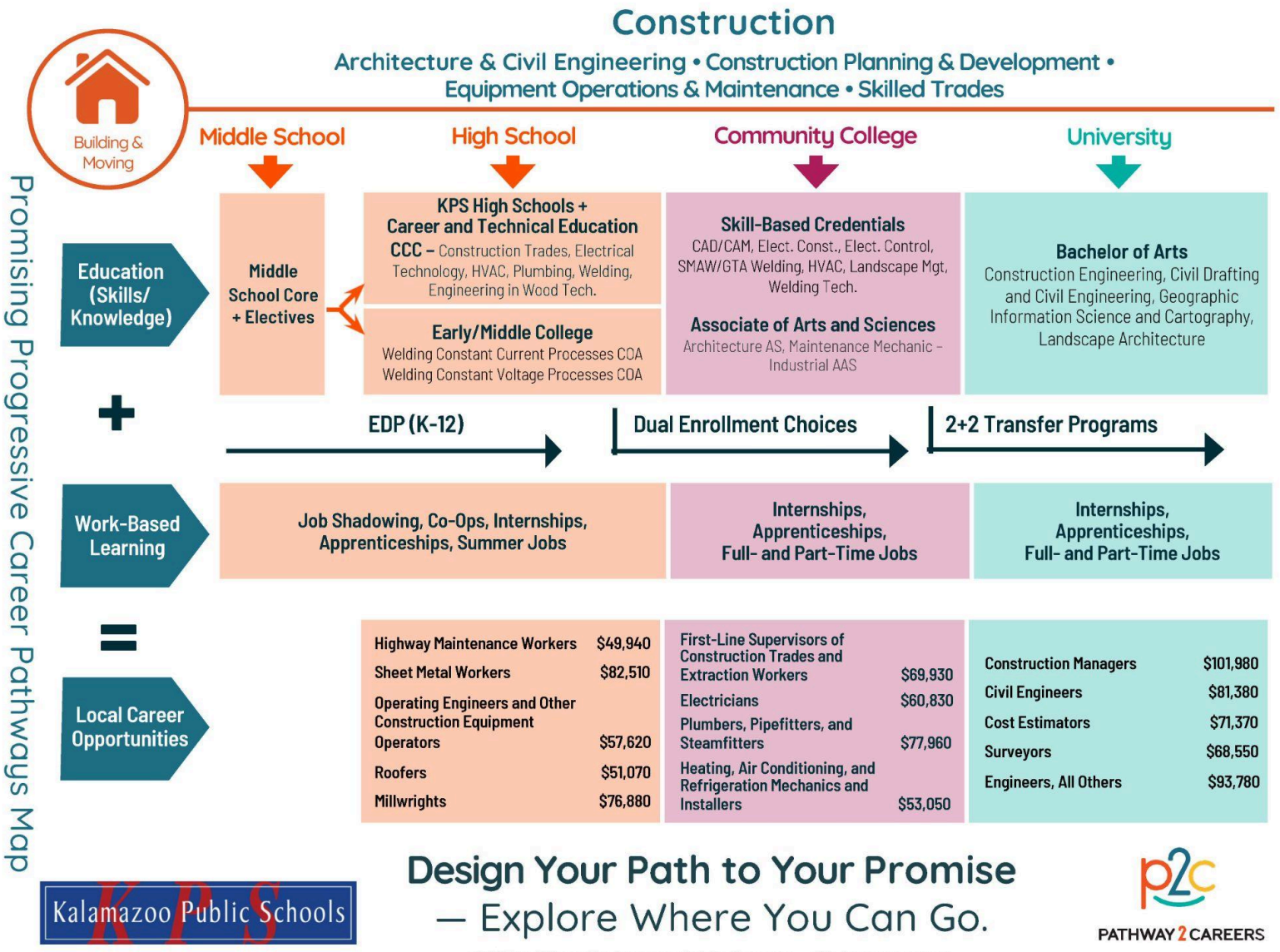
Arts, Entertainment, & Design: *Inspiring Creativity, Innovation, & Artistry*

Cluster Definition: The Arts, Entertainment, & Design Career Cluster combines creative roles in visual and performing arts, film, journalism, fashion, interior design, and creative technologies. This Cluster focuses on creating, producing, and sharing artistic and design work across multiple platforms, aiming to entertain, inform, beautify, and inspire.

Sub-Clusters	Example Programs of Study
Design & Digital Arts: Careers encompassing the creation and production of visually engaging digital content such as animation, visual marketing, graphic design, print media, augmented and virtual reality, web design, game design, and user interfaces/user experiences. This Sub-Cluster combines artistic talent and technology to produce interactive content, entertainment, commercial product and packaging design, and promotional materials.	Digital Animation Graphic Arts
Fashion & Interiors: Careers bridging the creative and commercial aspects of fashion design, production, marketing, and sales with the art and science of interior design and decoration. Professionals in this field are dedicated to creating, promoting, and selling apparel, accessories, footwear, costuming, and textiles. Interior design careers focus on designing, improving, and decorating interior spaces through space layout and materiality with the goal of enhancing functionality and esthetic appeal.	Apparel & Textiles Fashion Design Interior Design
Fine Arts: Careers focused on the technical and artistic skill needed for the creation, promotion, and sale of visual art forms including painting, sculpture, and pottery. Professionals in this field focus on producing works that not only possess esthetic value but also serve as mediums for expression, and they are involved in every stage from conceptualization to exhibition, ensuring that art is accessible and resonates deeply with audiences.	Fine Arts Museum Studies
Lighting & Sound Technology: Careers specializing in sound engineering and lighting design, which are vital for both functional and artistic applications, including immersive experiences in film, music, performing arts, fine arts, and interiors. Professionals in this field adeptly manipulate sound and light to set moods, highlight themes, and enhance audience engagement, contributing significantly to the success and impact of artistic and design endeavors.	Audio & Visual Technology Lighting Design Sound Engineering
Media Production & Broadcasting: Careers encompassing film, television, radio, journalism, communications, writing, and broadcasting, focusing on content creation, production, and distribution. This field includes direction, production, cinematography, and publishing, emphasizing storytelling and technical expertise. This Sub-Cluster also highlights the impact and ethical use of emerging technologies, including artificial intelligence, in enhancing visual effects and streamlining production. Broadcasting includes digital technologies such as streaming and podcasting, transforming audience engagement and content consumption.	Broadcasting Technology Filmmaking: Production & Managerial Arts Journalism Video Production
Performing Arts: Careers focused on the technical and management elements of the performing arts and entertainment industry to produce and stage live artistic and athletic performances, including theater, music, dance, and sports. This Sub-Cluster encompasses the core creative and artistic talents coming from actors, musicians, dancers, and other performers intended to entertain, inform, and provoke thought in audiences. It also covers a wide range of genres and styles and plays a vital role in cultural preservation, expression, & entertainment.	Performing Arts Stage Design & Management

Career Clusters
Pathways to College & Career Readiness

ADVANCE CTE
State Leaders Connecting Learning to Work



©2025 P2C and Kalamazoo Public Schools — All rights reserved.

Construction

Design Your Path to Your Promise — Here's How You Can Get There.

	English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
MIDDLE SCHOOL	English	6th Grade Math or Accelerated Math	6th Grade Science	Social Studies	Spanish for Beginners (Elective)	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart
	English	7th Grade Math or Accelerated Math	7th Grade Science	Social Studies	Spanish Intermediate	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart
	English	8th Grade Math or Algebra	Science/Robotics	Social Studies	Spanish 1	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart

	English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
HIGH SCHOOL	English 9 / Honors English	Algebra 1 or Geometry	Environ. Science & Biology (CEB)	World History	Spanish	PE	Tech Smart	Band, Orchestra, or Choir or other career programs below.
	English 10 / Honors English	Geometry or Algebra II	Biology (DEE) or Chemistry or Physics	US History	Spanish	Health	College/Career Readiness	
	English 11 A or Honors or AP	Algebra II or Math Modeling	Earth Science	Gov or AP Gov	Spanish	Industrial/ Mech. Drafting	Economics	
	College Eng. 12 or Honors Eng.	Business or Personal Finance	Geology	Social Studies Elective	Spanish	Drafting	Construction Trades	

Grade	Possible Career-Connected Pathway Choices	
9		Industrial/Mechanical Drafting
10-12	Drafting: General, Architectural, or Mechanical	Electrical Technology
10-12	Construction Trades	Plumbing
12	Welding	HVAC

Dual Enrollment Courses

- Fundamentals of Tech Drawing
- Architect Blueprint Reading
- Theory 1: Applied Electricity
- Basic GMAW/FCAW Welding
- Shop Fundamentals
- Basic Electricity
- Fundamentals Machine Tool Ops

Postsecondary Programs/Majors for Occupations in this Career Cluster

Certificates, Associate's Degrees, and Apprenticeships	Bachelor's and Advanced Degrees
• Architecture, AS • AutoCAD, COA • Electrical Const. Certificate • Welding Technologies • HVAC Certificate • Maintenance Mechanic – Industrial, AAS or Certificate • Landscape Management Certificate	• Construction Engineering • Civil Drafting and Civil Engineering • Geographic Information Science and Cartography • Landscape Architecture

Kalamazoo Public Schools

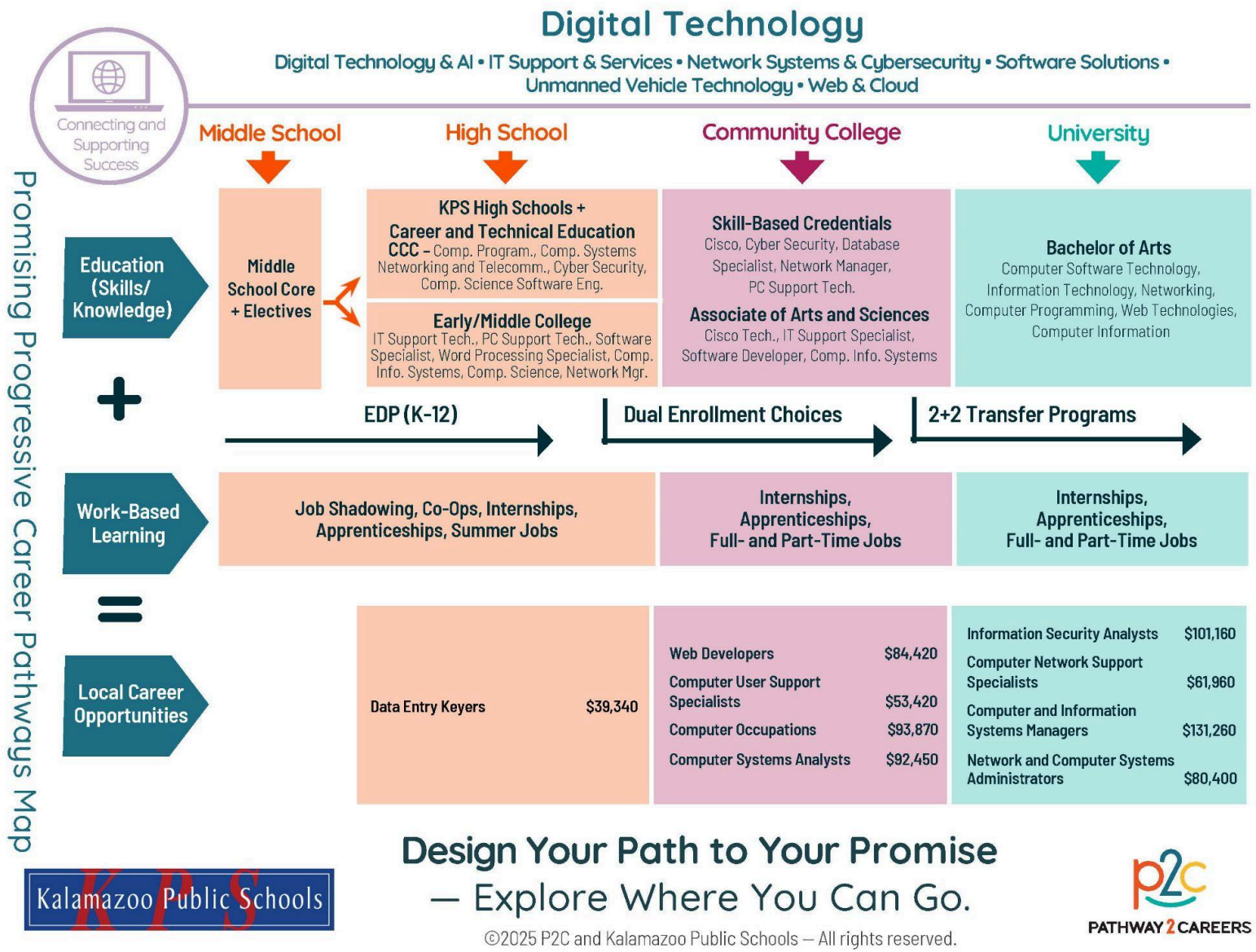
©2025 P2C and Kalamazoo Public Schools — All rights reserved.

P2C PATHWAY 2 CAREERS

Construction: *Building Futures & Pioneering Sustainable Horizons*	
Cluster Definition: The Construction Career Cluster focuses on professions involved in designing, planning, managing, and executing projects in the built environment. It emphasizes sustainable building practices to ensure that structures are both environmentally responsible and resilient. Careers in this Cluster are pivotal in creating durable infrastructure that meets present needs without compromising future generations' ability to meet their own, covering a range of roles from architects and engineers to construction managers and skilled tradespeople.	
Sub-Clusters	**Example Programs of Study**
Architecture & Civil Engineering: Careers combining the planning, design, and drafting of infrastructure, structures, and landscapes with the application of technical expertise through architecture and civil and structural engineering. Professionals in this field develop sustainable, safe, and esthetically pleasing spaces while ensuring compliance with regulations. This Subc-Cluster spans residential, commercial, industrial, and public infrastructure projects, requiring a blend of creativity, technical precision, and problem-solving to meet modern societal and environmental challenges.	Architectural Design Drafting Landscape Architecture
Construction Planning & Development: Careers emphasizing the critical initial stages of construction and development projects, including preconstruction activities, property development, and land use planning. This field involves site analysis, surveying, cost estimation, securing required permits, conducting feasibility studies, environmental compliance, and construction management. Professionals in this field engage in meticulous planning and preparation to integrate sustainable practices and reduce potential risks and delays, ensuring project success from start to finish.	Construction Management Surveying
Equipment Operation & Maintenance: Careers skilled in managing and servicing the heavy equipment and machinery that are essential for building and infrastructure projects. Professionals in this field ensure that these vital tools operate efficiently and safely, combining technical knowledge with mechanical skills. This Sub-Cluster is crucial for the smooth execution of construction tasks, maintenance of machinery reliability, and adherence to safety standards.	Diesel Mechanics Heavy Machine Operation
Skilled Trades: Careers focused on skilled work that is essential to constructing, maintaining, and repairing buildings and infrastructure including carpentry; welding; masonry; electrical; plumbing; and heating, ventilation, air conditioning, and refrigeration (HVAC-R). Professionals in the skilled trades play a key role in shaping the environment, combining hands-on skills with technical knowledge to ensure functionality and safety in both new and existing infrastructure and structures. Many skilled trades are also in high demand in the Advanced Manufacturing, Agriculture, and Energy and Natural Resources Clusters.	Carpentry Electrical Systems Green Construction HVAC-R Welding Technology

Career Clusters
Pathways to College & Career Readiness

ADVANCE CTE
State Leaders Connecting Learning to Work


Digital Technology
Digital Technology & AI • IT Support & Services • Network Systems & Cybersecurity • Software Solutions • Unmanned Vehicle Technology • Web & Cloud
Connecting and Supporting Success
Promising Progressive Career Pathways Map
Middle School
High School
Community College
University
Education (Skills/ Knowledge)
Middle School Core + Electives
KPS High Schools + Career and Technical Education CCC – Comp. Program., Comp. Systems Networking and Telecomm., Cyber Security, Comp. Science Software Eng.
Early/Middle College
IT Support Tech., PC Support Tech., Software Specialist, Word Processing Specialist, Comp. Info. Systems, Comp. Science, Network Mgr.
Skill-Based Credentials
Cisco, Cyber Security, Database Specialist, Network Manager, PC Support Tech.
Associate of Arts and Sciences
Cisco Tech., IT Support Specialist, Software Developer, Comp. Info. Systems
Bachelor of Arts
Computer Software Technology, Information Technology, Networking, Computer Programming, Web Technologies, Computer Information
EDP (K-12)
Dual Enrollment Choices
2+2 Transfer Programs
Work-Based Learning
Job Shadowing, Co-Ops, Internships, Apprenticeships, Summer Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Local Career Opportunities
Data Entry Keyers $39,340
Web Developers $84,420
Computer User Support Specialists $53,420
Computer Occupations $93,870
Computer Systems Analysts $92,450
Information Security Analysts $101,160
Computer Network Support Specialists $61,960
Computer and Information Systems Managers $131,260
Network and Computer Systems Administrators $80,400
Kalamazoo Public Schools
Design Your Path to Your Promise
— Explore Where You Can Go.
©2025 P2C and Kalamazoo Public Schools – All rights reserved.
PATHWAY 2 CAREERS



Digital Technology

Design Your Path to Your Promise — Here's How You Can Get There.

MIDDLE SCHOOL

English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
English	6th Grade Math or Accelerated Math	6th Grade Science	Social Studies	Mandarin Chinese	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart/6th Gr. Graphic Design
English	7th Grade Math or Accelerated Math	7th Grade Science	Social Studies	Spanish for Beginners	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart/7th Gr. Graphic Design
English	8th Grade Math or Algebra	Science/Robotics	Social Studies	Spanish Intermediate	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart/8th Gr. Graphic Design

HIGH SCHOOL

English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
English 9 / Honors English	Algebra 1 or Geometry	Environ. Science & Biology (CEB)	World History	Mandarin Chinese	PE	Tech Smart	Band, Orchestra, or Choir and other career programs below.
English 10 / Honors English	Geometry or Algebra II	Biology (DEE)	US History	Mandarin Chinese	Health	College/Career Readiness	
English 11 A or Honors or AP	Algebra II or Discrete Math	Physics or Chemistry	Gov or AP Gov	Mandarin Chinese / French	Information Technology	Economics	
College Eng. 12 or Honors Eng.	Discrete Math	Astronomy	Social Studies Elective	Mandarin Chinese / French	Fine Arts	Computer Programming	

Grade	Possible Career-Connected Pathway Choices	
9-12	Information Technology	Graphic Design
10-12	Electronics and Robotics	Computer Science/Software Engineering
10-12	Computer Programming	Cybersecurity
11-12	AP Computer Science	Electrical Technology

Dual Enrollment Courses

- Intro to Computer Info Systems
- Linux Operating Systems
- Intro to Cybersecurity
- Programming Logic
- Intro to Smart Devices
- PC Hardware and Software Support

Postsecondary Programs/Majors/Apprenticeships for Occupations in this Career Cluster

Certificates, Associate's Degrees, and Apprenticeships	Bachelor's and Advanced Degrees
• Cisco Technician, AAS • IT Support Specialist, AAS • Software Developer, AAS • Unmanned Aerial Systems Op. Cert. • Database Specialist, COA • Network Manager, COA	• Computer Software Technology • Information Technology • Computer Programming • Networking • Web Technologies • Computer Information

Kalamazoo Public Schools

©2025 P2C and Kalamazoo Public Schools — All rights reserved.

P2C PATHWAY 2 CAREERS

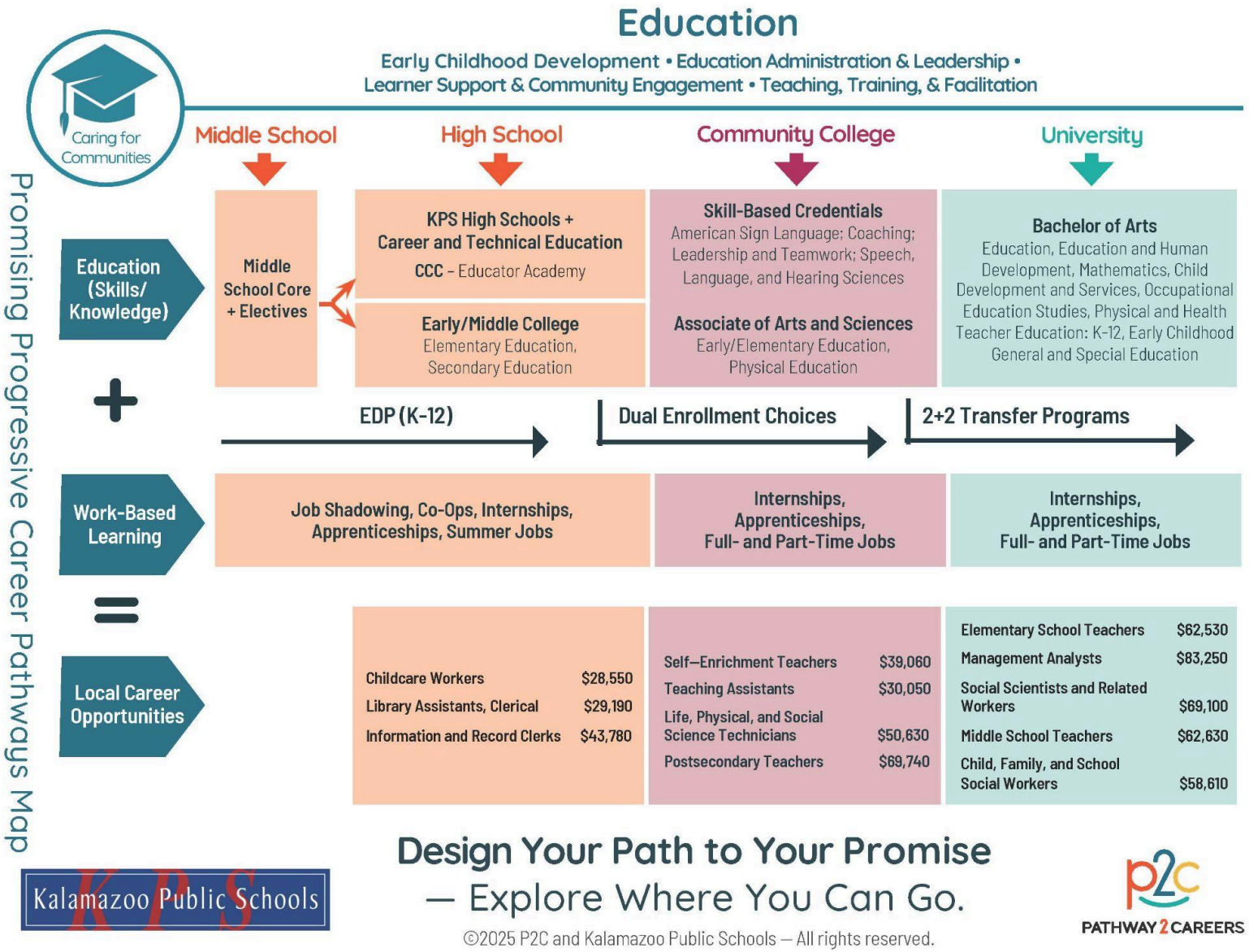
Cross-Cutting Cluster | Digital Technology: *Modernizing Industries & Connecting Communities*

Cluster Definition: The Digital Technology Career Cluster focuses on developing digital systems for communication and data storage using critical technologies such as artificial intelligence (AI), data analytics, and cybersecurity. This Cluster builds skills necessary for all careers to navigate and lead in the constantly evolving tech landscape and drives innovation across all industries to tackle complex challenges and opportunities in communities and economies.

Sub-Clusters	Example Programs of Study
Data Science & Artificial Intelligence: Careers combining the power of data analysis, machine learning, and artificial intelligence (AI), including key processes such as data modeling and natural language processing. Professionals in this field apply critical thinking to work on innovative solutions to interpret vast amounts of information, automate decisionmaking processes, develop intelligent algorithms that improve with experience, and enhance communication between humans and machines. AI requires attention to ethical standards and is poised to revolutionize all industries by enhancing efficiency, personalizing experiences, and driving innovation.	Applied Data Science & Analytics
Information Technology (IT) Support & Services: Careers focused on providing setup, assistance, and problem-solving solutions for software, hardware, and other technology-related issues to ensure smooth and efficient operation of communication and data systems for individuals and organizations. This field is essential in maintaining, supporting, and optimizing technological infrastructure, ensuring minimal disruption and maximum efficiency.	Information Support & Services
Network Systems & Cybersecurity: Careers focused on establishing and managing communication networks and protecting them against cyber threats. This Sub-Cluster includes network setup, administration, and maintenance and the implementation of security measures to prevent unauthorized access and data breaches.	Computer Networking Cybersecurity IT Systems
Software Solutions: Careers involved in the development and maintenance of software solutions, built on computer science and encompassing programming, application development, and front-end and back-end software development. This Sub-Cluster also includes developing emerging technologies such as augmented and virtual reality, the Internet of Things, distributed ledger technologies, and quantum computing. It involves creating the underlying code and systems that power applications, designing user interfaces for optimal user experience, and building server-side technologies that process data behind the scenes.	App Design Computer Simulation Game Development Programming
Unmanned Vehicle Technology: Careers related to the development, operation, and use of unmanned vehicles, such as unmanned aerial vehicles, drones, and autonomous ground vehicles, across various sectors. Applications include aerial surveying, precision farming, search and rescue, delivery services, resource management, hazardous environment remediation, and infrastructure inspection. Professionals in this field engage in design, programming, data analysis, and operational management.	Drone Technology Unmanned Aircraft Systems
Web & Cloud: Careers focused on creating and managing websites and web applications, including front-end and back-end development and maintenance, as well as overseeing cloud services and infrastructure. This field merges software skills with user interface/user experience and cloud management expertise, ensuring website functionality, security, and cloud efficiency.	Cloud Computing Web & Digital Communications Web Development

Career Clusters
Pathways to College & Career Readiness

ADVANCE CTE
State Leaders Connecting Learning to Work


Education
Early Childhood Development • Education Administration & Leadership •
Learner Support & Community Engagement • Teaching, Training, & Facilitation
Caring for Communities
Promising Progressive Career Pathways Map
Middle School
High School
Community College
University
Education (Skills/ Knowledge)
Middle School Core + Electives
KPS High Schools + Career and Technical Education
CCC – Educator Academy
Early/Middle College
Elementary Education, Secondary Education
Skill-Based Credentials
American Sign Language; Coaching; Leadership and Teamwork; Speech, Language, and Hearing Sciences
Associate of Arts and Sciences
Early/Elementary Education, Physical Education
Bachelor of Arts
Education, Education and Human Development, Mathematics, Child Development and Services, Occupational Education Studies, Physical and Health Teacher Education: K-12, Early Childhood General and Special Education
EDP (K-12)
Dual Enrollment Choices
2+2 Transfer Programs
Work-Based Learning
Job Shadowing, Co-Ops, Internships, Apprenticeships, Summer Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Local Career Opportunities
Childcare Workers $28,550
Library Assistants, Clerical $29,190
Information and Record Clerks $43,780
Self–Enrichment Teachers $39,060
Teaching Assistants $30,050
Life, Physical, and Social Science Technicians $50,630
Postsecondary Teachers $69,740
Elementary School Teachers $62,530
Management Analysts $83,250
Social Scientists and Related Workers $69,100
Middle School Teachers $62,630
Child, Family, and School Social Workers $58,610
Kalamazoo Public Schools
Design Your Path to Your Promise
— Explore Where You Can Go.
©2025 P2C and Kalamazoo Public Schools – All rights reserved.
P2C
PATHWAY 2 CAREERS



Education

Design Your Path to Your Promise — Here's How You Can Get There.

	English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
MIDDLE SCHOOL	English	6th Grade Math or Accelerated Math	6th Grade Science	Social Studies	Spanish for Beginners (Elective)	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart
	English	7th Grade Math or Accelerated Math	7th Grade Science	Social Studies	Spanish Intermediate	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart/Future Teacher Ed. 1
	English	8th Grade Math or Algebra	Science/Robotics	Social Studies	Spanish 1	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart/Future Teacher Ed. 2

	English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
HIGH SCHOOL	English 9 / Honors English	Algebra 1 or Geometry	Environ. Science & Biology (CEB)	World History	Spanish / French	PE	Tech Smart	See career programs below.
	English 10 / Honors English	Geometry or Algebra II	Biology (DEE) or Chemistry or Physics	US History	Spanish / French	Health	College/Career Readiness	
	English 11 A or Honors or AP	Algebra II or Math Modeling	Chemistry, Physics or Earth Science	Gov or AP Gov	Spanish / French / (future Arabic)	Band, Orchestra, or Choir	Economics	
	College Eng. 12 or Honors Eng.	Statistics or Personal Finance	Geology, Astronomy, or APs	Social Studies Elective	Spanish / French / (future Arabic)	Fine Arts	Link Crew Leadership	

Grade	Possible Career-Connected Pathway Choices	
9	Future Michigan Educator	Band, Orchestra, or Choir
10-12	Link Crew Leadership	Sociology
10-12	Psychology	Parenting
11-12	Teacher Academy	AP Psychology

Dual Enrollment Courses

- Foundations of Education
- Early Literacy
- College Writing
- Teaching as a Profession
- Child Development
- Foundations of Inclusive Education in Elementary Ed Programs

Postsecondary Programs/Majors/Apprenticeships for Occupations in this Career Cluster

Certificates, Associate's Degrees, and Apprenticeships	Bachelor's and Advanced Degrees
• Early/Elementary Education, AA	• Education
• Physical Education, AA	• Child Dev. and Services
• Leadership and Teamwork Certificate	• Occupational Education Studies
• Speech, Language, and Hearing Sciences Certificate	• K-12 Physical and Health Teacher Education
	• Early Childhood General and Special Education

Kalamazoo Public Schools

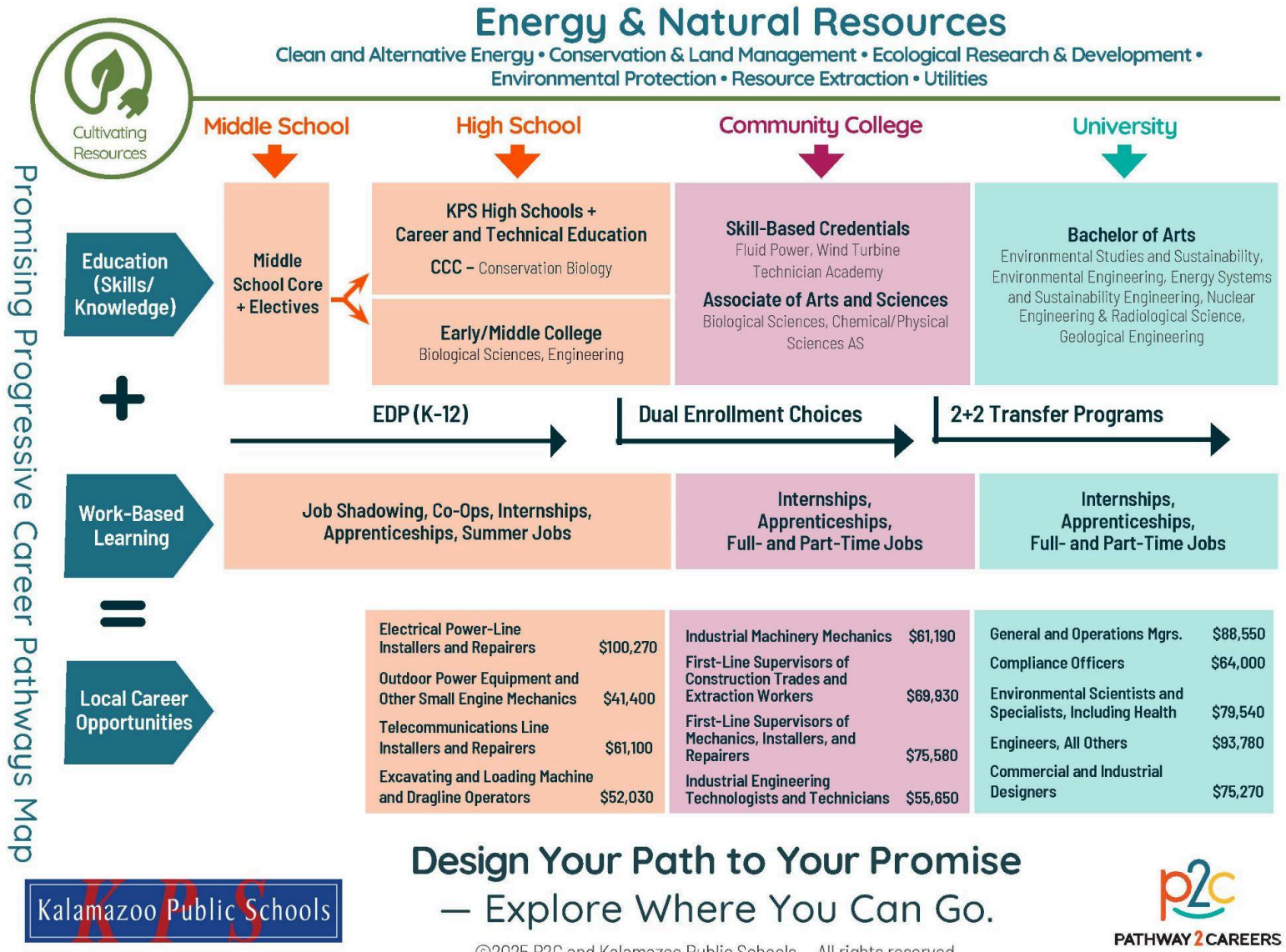
©2025 P2C and Kalamazoo Public Schools — All rights reserved.

P2C PATHWAY 2 CAREERS

Education: *Transforming Lives & Enriching Futures Through Lifelong Learning*	
Cluster Definition: The Education Career Cluster spans careers aimed at fostering learning from early childhood to adulthood, including teaching, instructional design, counseling services, community engagement, learner support, and educator training. This Cluster emphasizes quality education standards and lifelong learning, preparing individuals for success through all life stages by nurturing knowledge, skills, and critical thinking and encouraging personal and societal growth in a constantly evolving world.	
Sub-Clusters	**Example Programs of Study**
Early Childhood Development: Careers dedicated to nurturing the holistic growth of children from birth to 8 years old through education, care, and early intervention. Professionals in this field specialize in fostering physical, cognitive, emotional, and social development in early learners by applying proven and promising strategies for whole-child wellness.	Early Childhood Education Developmental Education
Education Administration & Leadership: Careers in managing and leading educational institutions, developing policies, curating and organizing knowledge, leading teams, and conducting research to improve education. This Subluster includes school and district administration, policy analysis, and research focused on optimizing school functions, implementing policies, and exploring ways to enhance learning. Professionals in this field work to ensure the effective operation of educational settings and promote continuous improvement through research and innovation.	Educational Leadership
Learner Support & Community Engagement: Careers focused on offering guidance and support to learners while building collaborative ties with families and communities. This field includes academic advising, library sciences, student health and wellness counseling, special education support, student life services in higher education, coaching, and career guidance within a school setting. This Sub-Cluster also includes community engagement practices that involve families, industry, and local resources for opportunities such as family support programs, work-based learning, and apprenticeships.	Professional Support Services Library Science
Teaching, Training & Facilitation: Careers encompassing teaching and instructional design roles across diverse educational levels, from kindergarten through Grade 12 (K-12) to adult learning. This field includes integrating educational technology and emerging teaching methods into curriculum development and delivery. Careers in this Sub-Cluster also involve providing professional development and training for educators while facilitating learning experiences, and they involve providing coaching for individuals and groups. This field promotes lifelong learning in various settings, including schools, colleges, corporate environments, and community organizations.	Principles of Teaching

Career Clusters
Pathways to College & Career Readiness

ADVANCE CTE
State Leaders Connecting Learning to Work


Energy & Natural Resources
Clean and Alternative Energy • Conservation & Land Management • Ecological Research & Development • Environmental Protection • Resource Extraction • Utilities
Cultivating Resources
Promising Progressive Career Pathways Map
Middle School
High School
Community College
University
Education (Skills/ Knowledge)
Middle School Core + Electives
KPS High Schools + Career and Technical Education
CCC – Conservation Biology
Early/Middle College
Biological Sciences, Engineering
Skill-Based Credentials
Fluid Power, Wind Turbine Technician Academy
Associate of Arts and Sciences
Biological Sciences, Chemical/Physical Sciences AS
Bachelor of Arts
Environmental Studies and Sustainability, Environmental Engineering, Energy Systems and Sustainability Engineering, Nuclear Engineering & Radiological Science, Geological Engineering
EDP (K-12)
Dual Enrollment Choices
2+2 Transfer Programs
Work-Based Learning
Job Shadowing, Co-Ops, Internships, Apprenticeships, Summer Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Local Career Opportunities
Electrical Power-Line Installers and Repairers $100,270
Outdoor Power Equipment and Other Small Engine Mechanics $41,400
Telecommunications Line Installers and Repairers $61,100
Excavating and Loading Machine and Dragline Operators $52,030
Industrial Machinery Mechanics $61,190
First-Line Supervisors of Construction Trades and Extraction Workers $69,930
First-Line Supervisors of Mechanics, Installers, and Repairers $75,580
Industrial Engineering Technologists and Technicians $55,650
General and Operations Mgrs. $88,550
Compliance Officers $64,000
Environmental Scientists and Specialists, Including Health $79,540
Engineers, All Others $93,780
Commercial and Industrial Designers $75,270
Kalamazoo Public Schools
Design Your Path to Your Promise
— Explore Where You Can Go.
©2025 P2C and Kalamazoo Public Schools – All rights reserved.
PATHWAY 2 CAREERS

Energy & Natural Resources

Design Your Path to Your Promise — Here's How You Can Get There.

MIDDLE SCHOOL

English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
English	6th Grade Math or Accelerated Math	6th Grade Science	Social Studies	Spanish for Beginners (Elective)	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart
English	7th Grade Math or Accelerated Math	7th Grade Science	Social Studies	Spanish Intermediate	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart
English	8th Grade Math or Algebra	Science/Robotics	Social Studies	Spanish 1	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart

HIGH SCHOOL

English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
English 9 / Honors English	Algebra 1 or Geometry	Environ. Science & Biology (CEB)	World History	French	PE	Tech Smart	See career programs below.
English 10 / Honors English	Geometry or Algebra II	Biology (DEE) and Chemistry	US History	French	Health	College/Career Readiness	
English 11 A or Honors or AP	Algebra II or Statistics	Chemistry or Physics	Gov or AP Gov	French / (future Arabic)	Environmental Science	Economics	
College Eng. 12 or Honors Eng.	AP Statistics or AP Pre-Calculus	AP Chemistry	Social Studies Elective	French / (future Arabic)	Fine Arts	Chemistry Foundations	

Grade	Possible Career-Connected Pathway Choices	
9	Earth Science	Band, Orchestra, or Choir
10-12	Geology A&B	Chemistry Foundations
10-12	Environmental Science	Honors Chemistry - Organic
12	AP Physics	

Dual Enrollment Courses

- Organismal Biology
- Chemistry
- Basics of Mechanical Sciences
- Basics of Fluid Power
- Cellular Biology
- Calculus 1 & Analytic Geometry

Postsecondary Programs/Majors/Apprenticeships for Occupations in this Career Cluster

Certificates, Associate's Degrees, and Apprenticeships	Bachelor's and Advanced Degrees
• Biological Sciences, AS • Fluid Power, COA • Wind Turbine Technician Academy • Chemical/Physical Sciences, AS	• Environmental Studies and Sustainability • Environmental Engineering • Energy Systems and Sustainability Engineering • Nuclear Engineering & Radiological Science • Geological Engineering • Mining Engineering

Kalamazoo Public Schools

©2025 P2C and Kalamazoo Public Schools — All rights reserved.

P2C PATHWAY 2 CAREERS

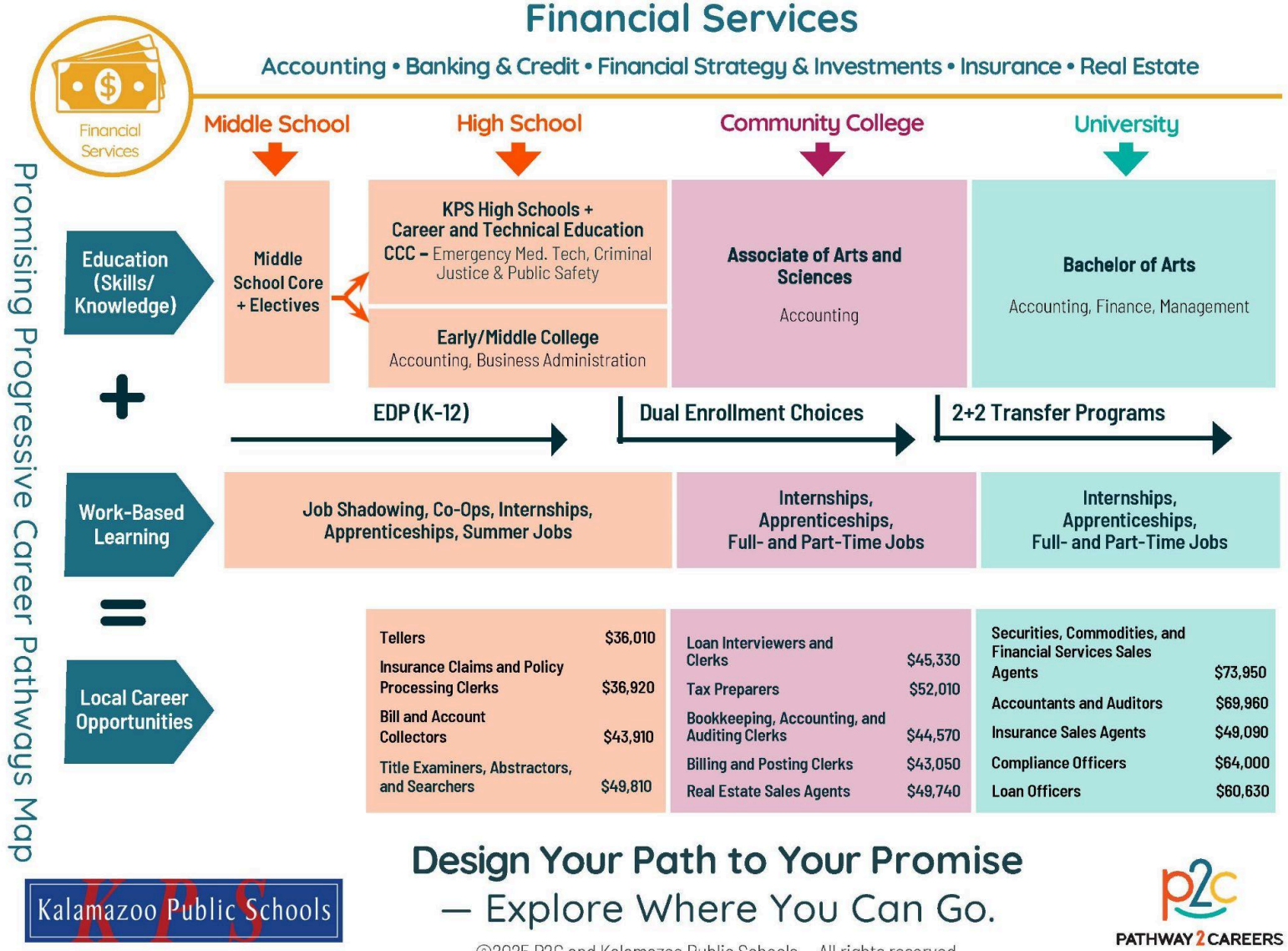
Energy & Natural Resources: *Powering Progress & Preserving Our Planet*

Cluster Definition: The Energy & Natural Resources Career Cluster spans careers in traditional and renewable fuel production, power generation and energy conversion, utilities, environmental preservation, ecological research, and resource extraction. These industries focus on efficient and responsible resource management, including conservation, transmission, distribution and storage, to minimize environmental impacts and meet global energy needs. Careers in this Cluster are dedicated to creating a sustainable future, innovating cleaner energy solutions, and preserving our planet's natural resources for generations to come.

Sub-Clusters	Example Programs of Study
Clean & Alternative Energy: Careers focused on energy generation and infrastructure development from clean energy sources such as low carbon fuels, natural gas, nuclear, biofuels, hydrogen processes, and other alternative sources aimed at addressing climate change impacts. Professionals in this field develop and implement technologies that harness natural elements including solar, nuclear, wind, and hydro power, while advancing efforts in electrification and energy storage solutions. This Sub-Cluster also includes recycling of batteries and waste, carbon capture, and other energy and mineral reuse and reclamation.	Renewable Energy Electric Vehicle Installation & Maintenance Solar System Design & Installation Wind Turbine Installation & Maintenance
Conservation & Land Management: Careers rooted in environmental and natural sciences, focusing on protecting and managing natural resources and landscapes. Professionals in this field operate local, state, and national parks; safeguard forests and waterways; maintain national lands and rangelands; and manage wildlife and marine life. This field merges ecological conservation with recreational spaces, aiming to preserve nature while enhancing community well-being and environmental stewardship through public accessibility.	GIS Mapping Natural Resource Conservation Wildlife Management
Ecological Research & Development: Careers emphasizing the scientific study of and research in ecological, geological, electrical, chemical, nuclear, biological, environmental engineering, and other sciences as they relate to energy production, sustainability, and the management of natural resources. Professionals in this field employ scientific methods to understand ecosystems, biodiversity, and the impacts of energy systems on the environment.	Environmental Engineering Environmental Management Environmental Science & Sustainability
Environmental Protection: Careers centered on regulating and managing the impacts of both natural processes and human activities, such as resource production and consumption. This Sub-Cluster involves developing and enforcing policies to protect all ecosystems, including space, air, land, and water, from natural disasters, pollution, and degradation. This field focuses on conserving natural habitats and biodiversity and applying scientific and engineering principles to solve environmental problems and improve climate resilience.	Climate Resilience Sustainable Communities
Resource Extraction: Careers focused on the efficient extraction of natural materials including fossil fuels, minerals, natural gas, and geothermal resources that are essential for fuel production in energy and manufacturing. This Sub-Cluster includes careers in exploration, drilling, mining, fracking, mineral processing, geoscience, quarrying, and petroleum engineering.	Clean Energy System Design Energy Transfer Mining Technology
Utilities: Careers involving the transmission and maintenance of utility systems for clean and alternative energy, electricity, water, waste remediation, and telecom/broadband; distribution and infrastructure development; and storage. Professionals in this field ensure reliable connectivity to energy sources, energy efficiency, and other essential services. Opportunities exist in public utilities, as well as commercial and industrial companies, with a focus on operations, maintenance, and security of systems to guarantee uninterrupted access to vital resources.	Telecommunications Water & Wastewater Systems Plant Operations Underground or Overhead Linework Utility Maintenance and Repair

Career Clusters
Pathways to College & Career Readiness

ADVANCE CTE
State Leaders Connecting Learning to Work


Financial Services
Accounting • Banking & Credit • Financial Strategy & Investments • Insurance • Real Estate
Financial Services
Middle School
High School
Community College
University
Promising Progressive Career Pathways Map
Education (Skills/ Knowledge)
Middle School Core + Electives
KPS High Schools + Career and Technical Education
CCC – Emergency Med. Tech, Criminal Justice & Public Safety
Early/Middle College
Accounting, Business Administration
Associate of Arts and Sciences
Accounting
Bachelor of Arts
Accounting, Finance, Management
EDP (K-12)
Dual Enrollment Choices
2+2 Transfer Programs
Work-Based Learning
Job Shadowing, Co-Ops, Internships, Apprenticeships, Summer Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Local Career Opportunities
Tellers $36,010
Insurance Claims and Policy Processing Clerks $36,920
Bill and Account Collectors $43,910
Title Examiners, Abstractors, and Searchers $49,810
Loan Interviewers and Clerks $45,330
Tax Preparers $52,010
Bookkeeping, Accounting, and Auditing Clerks $44,570
Billing and Posting Clerks $43,050
Real Estate Sales Agents $49,740
Securities, Commodities, and Financial Services Sales Agents $73,950
Accountants and Auditors $69,960
Insurance Sales Agents $49,090
Compliance Officers $64,000
Loan Officers $60,630
Kalamazoo Public Schools
Design Your Path to Your Promise
— Explore Where You Can Go.
©2025 P2C and Kalamazoo Public Schools – All rights reserved.
PATHWAY 2 CAREERS

Financial Services

Design Your Path to Your Promise — Here's How You Can Get There.

	English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
MIDDLE SCHOOL	English	6th Grade Math or Accelerated Math	6th Grade Science	Social Studies	Spanish or Mandarin Chinese	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart
	English	7th Grade Math or Accelerated Math	7th Grade Science	Social Studies	Spanish for Begin. (Elective)	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart
	English	8th Grade Math or Algebra	Science/Robotics	Social Studies	Spanish Intermediate	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart

	English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
HIGH SCHOOL	English 9 / Honors English	Algebra 1 or Geometry	Environ. Science & Biology (CEB)	World History	French / Mandarin Chinese	PE	Tech Smart	See career programs below.
	English 10 / Honors English	Geometry or Algebra II	Biology (DEE) and Chemistry	US History	French / Mandarin Chinese	Health	College/Career Readiness	
	English 11 A or Honors or AP	Algebra II or Personal Finance	Physics	Gov or AP Gov	French / Mandarin Chinese	Band, Orchestra, or Choir	Economics	
	College Eng. 12 or Honors Eng.	Personal or Business Finance	Science Elective	Social Studies Elective	French / Mandarin Chinese	Fine Arts	Business Finance	

Grade	Possible Career-Connected Pathway Choices	
9	Young Entrepreneurs of the Future	Band, Orchestra, or Choir
10-12	Accounting A&B	Business Finance
11-12	Advanced Accounting	Business Information Systems A&B
12	Bus. Career and Professional Development Capstone	Advanced Business Information Systems

Dual Enrollment Courses

- Principles of Accounting 1
- Principles of Accounting 2
- Accounting with QuickBooks
- Intro to Corporate Accounting
- Business Principles/Practices
- Basic Excel

Postsecondary Programs/Majors/Apprenticeships for Occupations in this Career Cluster

Certificates, Associate's Degrees, and Apprenticeships	Bachelor's and Advanced Degrees
• Accounting, AAS • Business Administration, AAS • Administrative Support Certificate • Supervisory Leadership Certificate	• Accounting • Finance • Personal Financial Planning • Management • Economics

Kalamazoo Public Schools

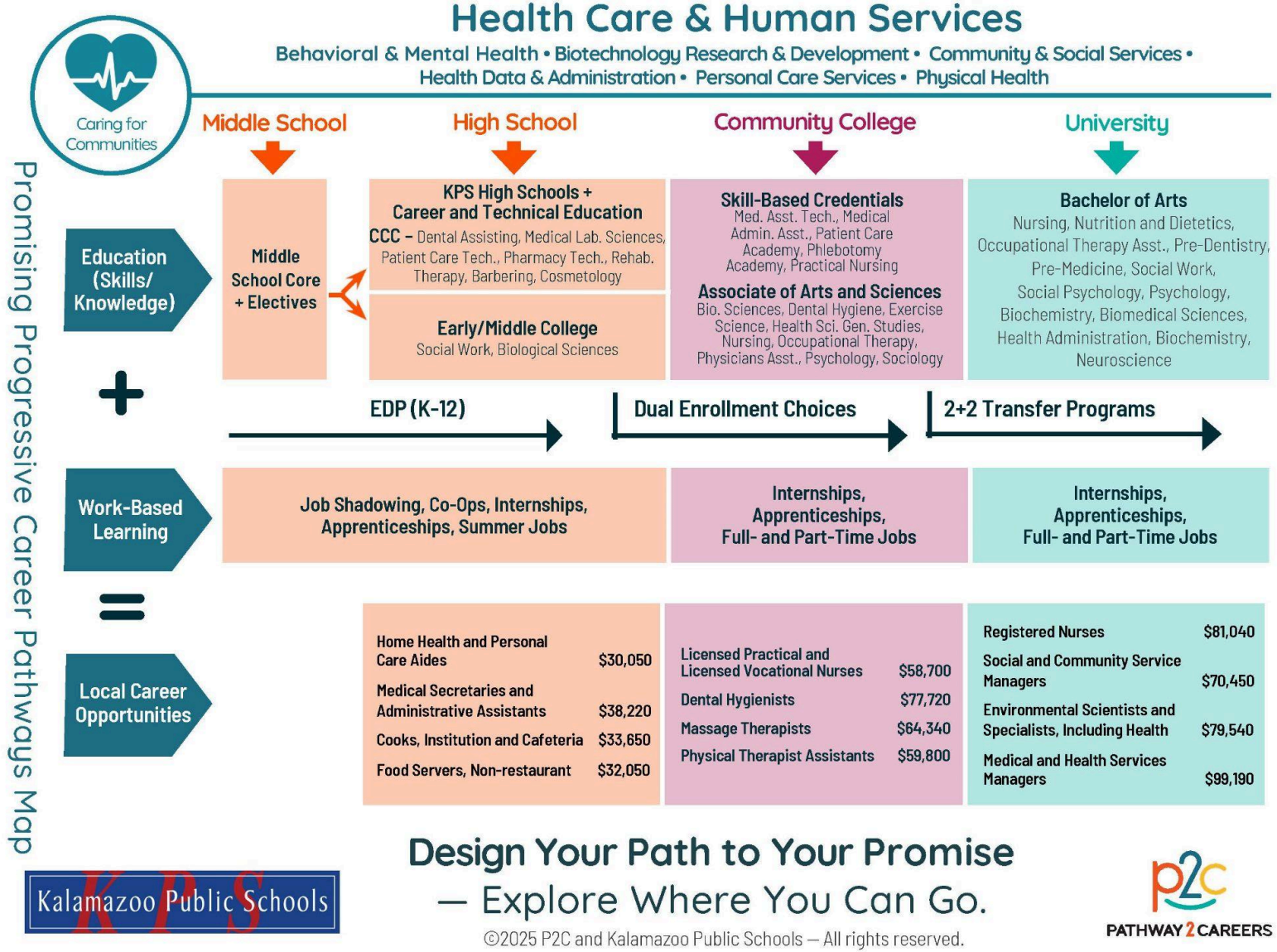
©2025 P2C and Kalamazoo Public Schools — All rights reserved.

P2C PATHWAY 2 CAREERS

Financial Services: *Empowering Financial Resilience*	
Cluster Definition: The Financial Services Career Cluster encompasses careers in managing and advising financial transactions, including banking, lending, corporate finance, debt management, accounting, insurance, and real estate. These careers contribute to economic stability and growth by supporting the financial health of individuals and organizations.	
Sub-Clusters	**Example Programs of Study**
Accounting: Careers focused on managing financial records for individuals and businesses and advising on individual and family financial planning and debt management. This field includes accountants, who ensure financial accuracy and compliance, and personal finance advisors, who guide individuals in savings, investments, and retirement planning. This Sub-Cluster also includes financial auditors and forensic accountants, who play a crucial role in this field by ensuring the integrity and reliability of financial information through comprehensive audits and assessments.	Accounting Business Finance Economics
Banking & Credit: Careers centered on money management, loans, microlending, and commercial and consumer credit across banks, credit unions, mortgage brokers, and finance companies. Professionals in this field have expertise in evaluating creditworthiness, managing loans, providing financial solutions to facilitate access to capital for individuals and businesses, and ensuring compliance with financial regulations.	Banking Credit
Financial Strategy & Investments: Careers involved in managing a company's capital structure and corporate financial strategies, operations, and investments, including venture capital and private equity. This field also includes careers focused on the acquisition of investment offerings such as stocks, bonds, fixed-income products, pension plans, emerging digital assets, and other resources aimed at income generation or asset appreciation. The Sub-Cluster encompasses tactics for small business fundraising and financing via microlending and operational scaling and for devising exit strategies to evolve startups into sustainable enterprises. Professionals in this field ensure that financial practices and transactions adhere to legal and ethical standards.	Business Administration Securities & Investments
Insurance: Careers rooted in assessing risk; providing financial protection against loss; and offering products including life, health, and property insurance. Professionals in this field hold expertise in analysis and the ability to evaluate risk factors, investigate and process claims, create risk management strategies, and ensure compliance with industry regulations. This field uses applied mathematics and statistics to predict future events and design viable insurance policies.	Insurance Operations
Real Estate: Careers focused on the buying, selling, leasing, and management of residential, commercial, and industrial properties. Professionals in this field navigate the complex landscape of licensing, fair housing, zoning, environmental regulations, health, safety, and financial laws to facilitate legal and ethical property transactions.	Real Estate

Career Clusters
Pathways to College & Career Readiness

ADVANCE CTE
State Leaders Connecting Learning to Work


Health Care & Human Services
Behavioral & Mental Health • Biotechnology Research & Development • Community & Social Services • Health Data & Administration • Personal Care Services • Physical Health
Caring for Communities
Promising Progressive Career Pathways Map
Middle School
High School
Community College
University
Education (Skills/ Knowledge)
Middle School Core + Electives
KPS High Schools + Career and Technical Education
CCC – Dental Assisting, Medical Lab. Sciences, Patient Care Tech., Pharmacy Tech., Rehab. Therapy, Barbering, Cosmetology
Early/Middle College
Social Work, Biological Sciences
Skill-Based Credentials
Med. Asst. Tech., Medical Admin. Asst., Patient Care Academy, Phlebotomy Academy, Practical Nursing
Associate of Arts and Sciences
Bio. Sciences, Dental Hygiene, Exercise Science, Health Sci. Gen. Studies, Nursing, Occupational Therapy, Physicians Asst., Psychology, Sociology
Bachelor of Arts
Nursing, Nutrition and Dietetics, Occupational Therapy Asst., Pre-Dentistry, Pre-Medicine, Social Work, Social Psychology, Psychology, Biochemistry, Biomedical Sciences, Health Administration, Biochemistry, Neuroscience
EDP (K-12)
Dual Enrollment Choices
2+2 Transfer Programs
Work-Based Learning
Job Shadowing, Co-Ops, Internships, Apprenticeships, Summer Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Local Career Opportunities
Home Health and Personal Care Aides $30,050
Medical Secretaries and Administrative Assistants $38,220
Cooks, Institution and Cafeteria $33,650
Food Servers, Non-restaurant $32,050
Licensed Practical and Licensed Vocational Nurses $58,700
Dental Hygienists $77,720
Massage Therapists $64,340
Physical Therapist Assistants $59,800
Registered Nurses $81,040
Social and Community Service Managers $70,450
Environmental Scientists and Specialists, Including Health $79,540
Medical and Health Services Managers $99,190
Kalamazoo Public Schools
Design Your Path to Your Promise
— Explore Where You Can Go.
©2025 P2C and Kalamazoo Public Schools – All rights reserved.
P2C
PATHWAY 2 CAREERS

Health Care & Human Services

Design Your Path to Your Promise — Here's How You Can Get There.

	English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
MIDDLE SCHOOL	English	6th Grade Math or Accelerated Math	6th Grade Science	Social Studies	Spanish for Beginners (Elective)	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart
	English	7th Grade Math or Accelerated Math	7th Grade Science	Social Studies	Spanish Intermediate	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart
	English	8th Grade Math or Algebra	Science/Robotics	Social Studies	Spanish 1	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart

	English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
HIGH SCHOOL	English 9 / Honors English	Algebra 1 or Geometry	Environ. Science & Biology (CEB)	World History	Spanish / French	PE	Tech Smart	Band, Orchestra, or Choir and other career programs below.
	English 10 / Honors English	Geometry or Algebra II	Biology (DEE) and Chemistry	US History	Spanish / French	Health	College/Career Readiness	
	English 11 A or Honors or AP	Algebra II or Statistics	Chemistry or Physics	Gov or AP Gov	Spanish / French / (future Arabic)	Illustration	Economics	
	College Eng. 12 or Honors Eng.	Math Modelling and Statistics	AP Biology or AP Chemistry	Social Studies Elective	Spanish / French / (future Arabic)	Fine Arts	Fundamentals of Health Science	

Grade	Possible Career-Connected Pathway Choices	
9	Drawing	Anatomy and Physiology A&B
10-12	Fundamentals of Health Science	Medical Laboratory Sciences
11-12	Dental Assistant	Cosmetology/Barbering
12	Certified Nurse Assistant	Health Science

Dual Enrollment Courses

- Human Anatomy & Physiology I
- Micro & Infectious Disease
- Interpersonal Comm.
- College Writing I
- Medical Admin Procedures
- Fundamentals of Biology
- Introduction to Social Work

Postsecondary Programs/Majors/Apprenticeships for Occupations in this Career Cluster

Certificates, Associate's Degrees, and Apprenticeships	Bachelor's and Advanced Degrees
• Medical Admin. Asst. Cert. • Practical Nursing Cert. • Medical Assistant Technology, AAS or Cert. • Social Work, AA • Respiratory Care Pract., AAS • Physicians Assistant, AS • Physical Therapy, AS	• Nursing • Nutrition and Dietetics • Occupational Therapy Asst. • Pre-Dentistry • Pre-Medicine • Social Work • Social Psychology • Psychology

Kalamazoo Public Schools

©2025 P2C and Kalamazoo Public Schools — All rights reserved.

P2C PATHWAY 2 CAREERS

Healthcare & Human Services: *Supporting the Whole Health of Individuals, Families, & Communities*

Cluster Definition: The Healthcare & Human Services Career Cluster promotes whole health in individuals and communities through a diverse array of services. This sector includes technical, mental, and therapeutic services and personal care, supported by medical and social sciences. By addressing social determinants of health and leveraging health data and science, this Cluster aims to enhance the overall health and resilience of individuals, families, and communities.

Sub-Clusters	Example Programs of Study
Behavioral & Mental Health: Careers dedicated to mental and emotional well-being, including counseling, psychology, and psychiatric services aimed at supporting individuals through mental health challenges and promoting psychological health. Professionals in this field play a critical role in diagnosing and treating mental health disorders, providing therapy, developing strategies to improve overall mental wellness, and advocating for mental health awareness and policy changes.	Counseling & Mental Health Services
Biotechnology Research & Development: Careers focused on research and development in the medical field, including biotechnology, and scientific research. Professionals in this field develop new treatments, pharmaceuticals, devices, and innovative medical technologies to advance healthcare.	Biomedical Science Biotechnology Research & Development
Community & Social Services: Careers that address the societal and environmental factors affecting health such as access to healthy foods, income and poverty, adequate child care, and access to education. This field includes work in public services, social work and case management, or nonprofit sectors with missions to address social inequalities and provide support services for all age ranges. This Sub-Cluster also includes clergy and spiritual support roles, which provide emotional and spiritual guidance to individuals and communities.	Community Health Human Services Social Work
Health Data & Administration: Careers centered on the management, analysis, and administration of health information and data. This Sub-Cluster encompasses fields such as health informatics, medical records, and healthcare administration. Professionals in this field are dedicated to enhancing healthcare delivery through effective technology and data management.	Health Informatics Medical Assisting Medical Record Keeping
Personal Care Services: Careers that encompass in-home and personal care support and offer esthetics and wellness services such as hairdressing, nail care, skincare, fitness, and massage therapy. Professionals in this field focus on enhancing personal appearance and promoting relaxation and well-being while remaining grounded in a thorough understanding of health and safety practices.	Barbering Cosmetology Massage & Spa Services
Physical Health: Careers in healthcare that directly affect the physical well-being of individuals by providing medical care, conducting diagnostics, offering therapeutic services, administering pharmaceuticals, and supporting nutrition and dental health. This Sub-Cluster encompasses healthcare from prebirth to death, addressing all stages from pediatrics to geriatrics and mortuary sciences. It also includes careers that offer alternative and complementary health services such as homeopathy, acupuncture, and others that focus on the holistic well-being of individuals.	Allied Health Nursing Pharmacy Tech Physical Therapy Radiology Sports Medicine

Career Clusters
Pathways to College & Career Readiness

ADVANCE CTE
State Leaders Connecting Learning to Work


Hospitality, Events, & Tourism
Accommodation • Conference & Events • Culinary & Food Services • Travel & Leisure
Creating and Experiencing
Middle School
High School
Community College
University
Promising Progressive Career Pathways Map
Education (Skills/ Knowledge)
Middle School Core + Electives
KPS High Schools + Career and Technical Education
CCC – Culinary Arts
Early/Middle College
Culinary Arts & Sustainable Food Systems, Dietary Manager
Skill-Based Credentials
Baking & Pastries, Culinary Arts & Sustainable Food Systems, Dietary Manager, Sustainable Brewing
Assoc. Arts and Sciences
Culinary Arts & Sustain. Food Systems, Sustain. Brewing
Bachelor of Arts
Nutrition & Dietetics, Event Management, Recreation Management, Sports Management, Sustainable Brewing, Food Marketing, Tourism & Travel
EDP (K-12)
Dual Enrollment Choices
2+2 Transfer Programs
Work-Based Learning
Job Shadowing, Co-Ops, Internships, Apprenticeships, Summer Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Local Career Opportunities
First-Line Supervisors of Food Prep. and Serving Workers $36,510
Food Service Managers $57,420
Waiters and Waitresses $33,860
Cooks $34,260
Bartenders $29,660
Travel Agents $45,160
Chefs and Head Cooks $49,800
Tour and Travel Guides $25,780
Travel Agents $45,160
Janitors and Cleaners, Except Maids and Housekeeping Cleaners $33,840
Recreation Workers $31,200
Lodging Managers $64,860
Meeting, Convention, and Event Planners $48,620
Fundraising Managers $97,190
Fundraisers $57,980
Kalamazoo Public Schools
Design Your Path to Your Promise
— Explore Where You Can Go.
©2025 P2C and Kalamazoo Public Schools – All rights reserved.
PATHWAY 2 CAREERS

Hospitality, Events, & Tourism

Design Your Path to Your Promise — Here's How You Can Get There.

	English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
MIDDLE SCHOOL	English	6th Grade Math or Accelerated Math	6th Grade Science	Social Studies	Spanish for Beginners (Elective)	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart
	English	7th Grade Math or Accelerated Math	7th Grade Science	Social Studies	Spanish Intermediate	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart
	English	8th Grade Math or Algebra	Science/Robotics	Social Studies	Spanish 1	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart

	English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
HIGH SCHOOL	English 9 / Honors English	Algebra 1 or Geometry	Environ. Science & Biology (CEB)	World History	French / Spanish	PE	Tech Smart	Band, Orchestra, or Choir and other career programs below.
	English 10 / Honors English	Geometry or Algebra II	Biology (DEE) & Chemistry	US History	French / Spanish	Health	College/Career Readiness	
	English 11 A or Honors or AP	Algebra II or Personal Finance	Physics	Gov or AP Gov	French / Spanish	Food and Nutrition	Economics	
	College Eng. 12 or Honors Eng.	Personal and Business Finance	Science Elective	Social Studies Elective	French / Spanish	Fine Arts	Business Finance	

Grade	Possible Career-Connected Pathway Choices	
9	Young Entrepreneurs of the Future	
10-12	Food and Nutrition	Marketing, Entrepreneurship, and Career Plan
11-12	Culinary Arts	Health Science
11-12	Business Finance	Sports & Entertainment Marketing

Dual Enrollment Courses

- Intro Sustainable Food Systems
- Food Safety Essentials
- Introduction to Food Service
- Culinary and Food Industry Math
- The Science of Food
- Nutritional Cooking
- Introduction to Brewing

Postsecondary Programs/Majors/Apprenticeships for Occupations in this Career Cluster

Certificates, Associate's Degrees, and Apprenticeships	Bachelor's and Advanced Degrees
• Baking & Pastries Cert. • Culinary Arts & Sustainable Food Systems, AAS or Cert. • Dietary Manager, COA • Sustainable Brewing Cert.	• Nutrition & Dietetics • Event Management • Recreation Management • Sports Management • Sustainable Brewing • Food Marketing • Tourism & Travel

Kalamazoo Public Schools

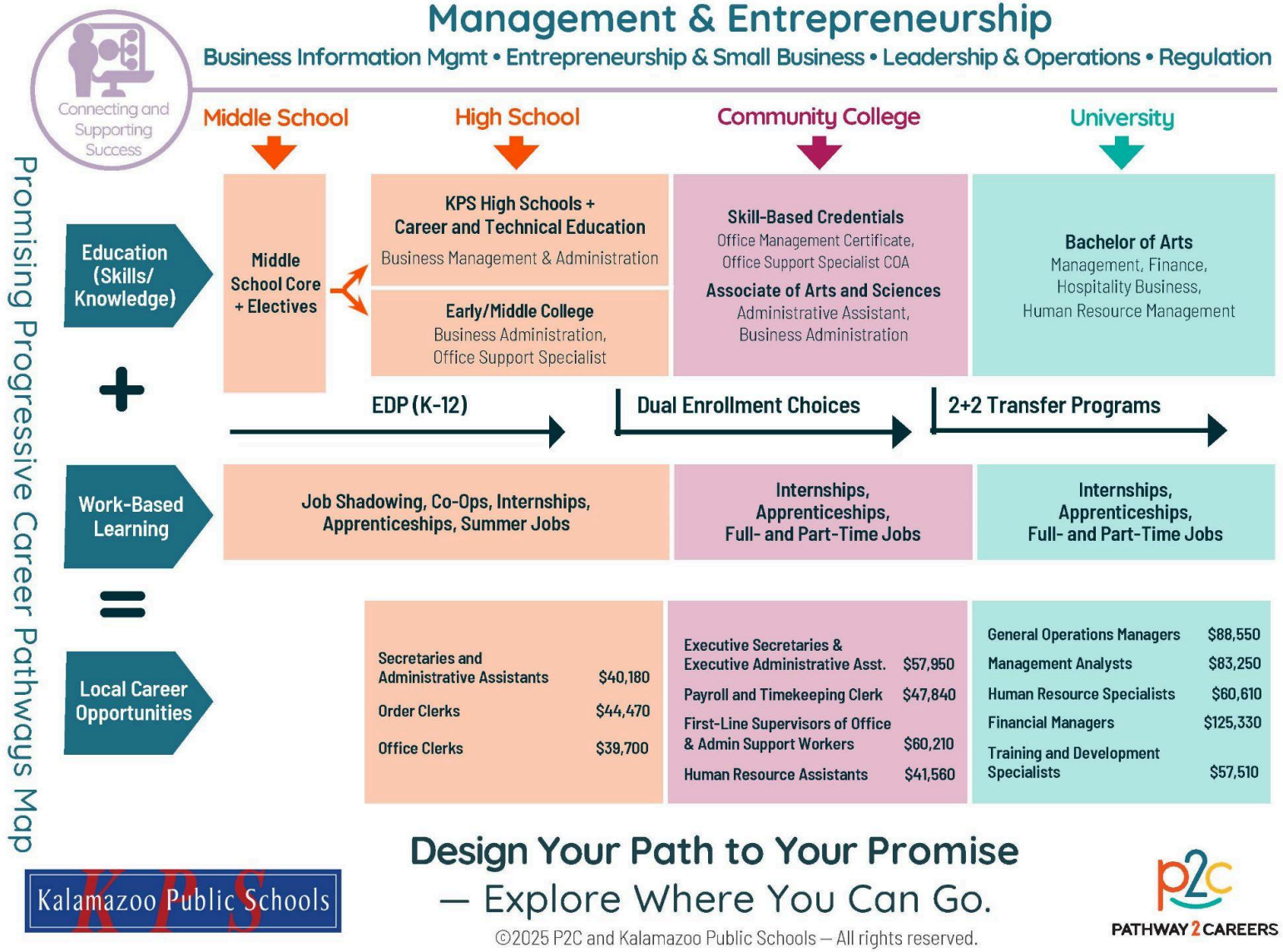
©2025 P2C and Kalamazoo Public Schools — All rights reserved.

P2C PATHWAY 2 CAREERS

Hospitality, Events & Tourism: *Unlocking Adventures & Elevating Experiences*	
Cluster Definition: The Hospitality, Events, & Tourism Career Cluster encompasses a broad range of services and experiences related to food and beverage, lodging, travel, events, and conferences. This Cluster focuses on delivering quality customer service, memorable experiences, and seamless logistics to cater to the needs and preferences of guests, tourists, and event participants. The Cluster is characterized by its diversity, including everything from luxury hotels and international travel to local dining, cultural events, and business conferences, aiming to enhance the overall experience of visitors and attendees.	
Sub-Clusters	**Example Programs of Study**
Accommodations: Careers that support, operate, and manage businesses and services related to temporary lodging, including hotels, motels, resorts, short-term rentals, and bed-and-breakfast establishments, focusing on providing guests with a comfortable and safe stay. Through advanced technology, hotel and resort management leverages sophisticated property management systems, online booking platforms, mobile-friendly services, and personalized guest experiences.	Hospitality Management Hotel & Resort Management
Conferences & Events: Careers encompassing the planning, coordination, and execution of various events and conferences. This Sub-Cluster involves organizing conventions; trade shows; and corporate, political, and personal events generating positive economic impact to communities. This field includes logistics, venue management, vendor coordination, budgeting, attendee management, marketing, and risk management. Professionals in this field require strong organizational, creative, and interpersonal skills to ensure the success of events and provide a positive experience for participants.	Conference Planning Event Management
Culinary & Food Services: Careers dedicated to the service, operation, and management of establishments involved in the preparation and serving of food and drinks with significant emphasis on providing exceptional culinary experiences and delivering high-quality customer service. These establishments vary widely, encompassing independently owned restaurants, nationwide restaurant chains, noncommercial dining facilities, bakeries, and catering services. Professionals in this Sub-Cluster span all aspects and levels of food preparation, including beverage specializations, as well as restaurant management, operations support, and health and safety.	Culinary Services Nutrition Pastry Arts Restaurant Management
Travel & Leisure: Careers focused on facilitating enjoyable travel, entertainment, and recreational activities. This Sub-Cluster includes travel services provided by agencies, ecotourism, agritourism, and cultural tourism, as well as entertainment at attractions including theme parks and museums. This field also involves the organization of sports events, maintenance of outdoor recreation venues and field management, and ethical management of gaming and betting operations.	Outdoor Recreation Tourism Management

Career Clusters
Pathways to College & Career Readiness

ADVANCE CTE
State Leaders Connecting Learning to Work


Management & Entrepreneurship
Business Information Mgmt • Entrepreneurship & Small Business • Leadership & Operations • Regulation
Connecting and Supporting Success
Middle School
High School
Community College
University
Promising Progressive Career Pathways Map
Education (Skills/ Knowledge)
Middle School Core + Electives
KPS High Schools + Career and Technical Education
Business Management & Administration
Early/Middle College
Business Administration, Office Support Specialist
Skill-Based Credentials
Office Management Certificate, Office Support Specialist COA
Associate of Arts and Sciences
Administrative Assistant, Business Administration
Bachelor of Arts
Management, Finance, Hospitality Business, Human Resource Management
EDP (K-12)
Dual Enrollment Choices
2+2 Transfer Programs
Work-Based Learning
Job Shadowing, Co-Ops, Internships, Apprenticeships, Summer Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Local Career Opportunities
Secretaries and Administrative Assistants $40,180
Order Clerks $44,470
Office Clerks $39,700
Executive Secretaries & Executive Administrative Asst. $57,950
Payroll and Timekeeping Clerk $47,840
First-Line Supervisors of Office & Admin Support Workers $60,210
Human Resource Assistants $41,560
General Operations Managers $88,550
Management Analysts $83,250
Human Resource Specialists $60,610
Financial Managers $125,330
Training and Development Specialists $57,510
Kalamazoo Public Schools
Design Your Path to Your Promise
— Explore Where You Can Go.
©2025 P2C and Kalamazoo Public Schools — All rights reserved.
P2C
PATHWAY 2 CAREERS



Management & Entrepreneurship

Design Your Path to Your Promise — Here's How You Can Get There.

	English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
MIDDLE SCHOOL	English	6th Grade Math or Accelerated Math	6th Grade Science	Social Studies	Spanish / Mandarin	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart
	English	7th Grade Math or Accelerated Math	7th Grade Science	Social Studies	Spanish for Beginners	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart
	English	8th Grade Math or Algebra	Science/Robotics	Social Studies	Spanish 1	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart

	English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
HIGH SCHOOL	English 9 / Honors English	Algebra 1	Environ. Science & Biology (DEE)	World History	Spanish / Mandarin	PE	Tech Smart	Band, Orchestra, or Choir or other career programs below.
	English 10 / Honors English	Geometry or Algebra II	Biology (CEB) & Chemistry	US History	Spanish / Mandarin	Health	College/Career Readiness	
	English 11 A or Honors or AP	Algebra II & Stats or AP Stats	Physics	Gov or AP Gov	Spanish / Mandarin	AP Art Studio	Economics	
	College Eng. 12 or Honors Eng.	Business Finance and Marketing	Science Elective	Social Studies Elective	Spanish / Mandarin	Fine Arts or AP Art Studio	Business Academy	

Grade	Possible Career-Connected Pathway Choices	
9	Young Entrepreneurs of the Future	
10-12	Marketing, Entrepreneur. & Career Planning	Business Information Systems A & B
10-12	Business Academy	Link Crew Leadership
12	Business Career and Prof. Dev. Capstone Experience	Sports and Entertainment Management

Dual Enrollment Courses

- Personal Financial Literacy
- Marketing, Entrepreneurship, and Career Planning
- Business Law
- International Business
- Business Principles/Practices
- Principles of Economics

Postsecondary Programs/Majors/Apprenticeships for Occupations in this Career Cluster

Certificates and Associate's Degrees	Bachelor's and Advanced Degrees
• Business Administration, AA & AAS • Supervisory Leadership Certificate • Office Support Specialist Certificate	• Business Administration • Entrepreneurship & Small Business • International Business/Trade/Commerce • Human Resource Management

Kalamazoo Public Schools

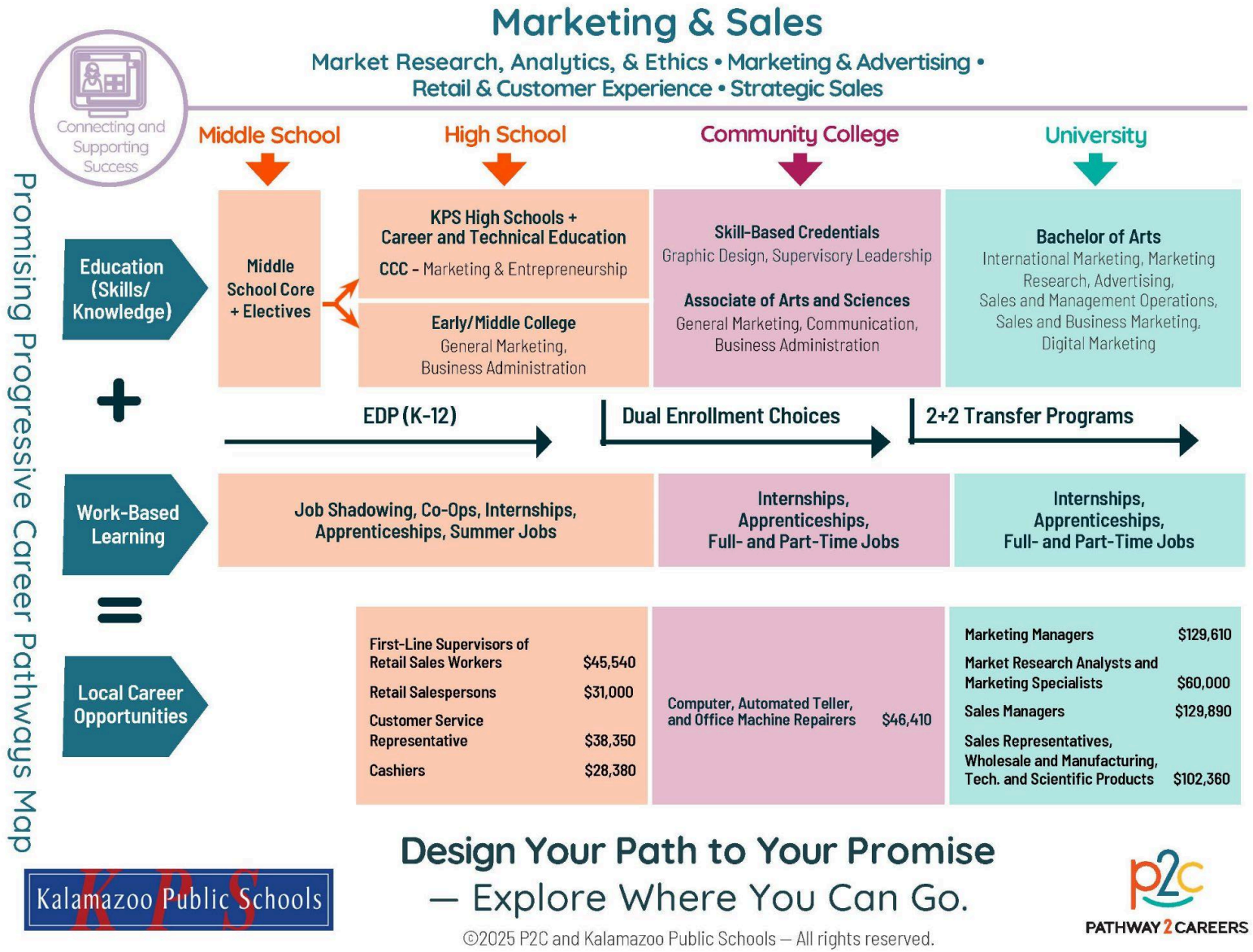
©2025 P2C and Kalamazoo Public Schools — All rights reserved.

p2c PATHWAY 2 CAREERS

Cross-Cutting Cluster | Management & Entrepreneurship: *Driving Business Success Across All Industries*	
Cluster Definition: The Management & Entrepreneurship Career Cluster involves skills and occupations that are essential across all industries, focusing on business administration, operations optimization, strategic planning, workforce management, and entrepreneurship. It merges key areas such as data management and analysis, human resources, general operations, administrative support, project management, and organizational leadership. This Cluster ensures that businesses across all industries efficiently meet their goals, adapt to market changes, and maintain competitive advantage. By emphasizing entrepreneurship, this Cluster supports the creation of new ventures, driving economic growth and innovation and making it a cornerstone of modern economies.	
Sub-Clusters	**Example Programs of Study**
Business Information Management: Careers centered around using technology to collect information that supports and enhances business operations. Professionals in this field gather, analyze, and interpret data to distill and recognize patterns, informing decisionmaking and optimizing performance. By integrating advanced technologies, professionals in this field streamline processes, improve operational efficiency, support strategic planning, and drive business growth in an increasingly global and information-centric environment.	Business Technology Applications
Entrepreneurship & Small Business: Careers focused on initiating and managing businesses, including startups, small businesses, gig economy work, and social enterprises. This field includes identifying opportunities, developing strategies, and securing financing, all with an emphasis on fostering innovation. Entrepreneurship and small businesses significantly affect all industry sectors by supporting employment and fostering innovation.	Entrepreneurship
Leadership & Operations: Careers involving the leadership of business activities, including strategic planning; resource forecasting and allocation; engaging with boards, shareholders, and other constituents; administrative support; and management consulting. This field also involves human resources management, recruitment, and employee development, fostering a positive work environment while optimizing processes and leading growth initiatives.	Business Essentials Business Management Human Resources Management
Project Management: Careers focused on planning, leading, initiating, executing, controlling, and closing out projects to achieve specific goals within a set timeline and budget. This field is essential in all industries as it ensures that projects are completed efficiently and effectively, aligning resources and efforts with strategic business objectives.	Principles of Management
Regulation: Careers dedicated to corporate responsibility, ensuring that all industries adhere to health, safety, financial, and environmental regulations. Professionals in this field develop and enforce policies, conduct inspections and audits, and implement measures to protect worker safety, public health, and the environment. This Sub-Cluster plays a crucial role in maintaining compliance and accountability across various sectors.	Business Law

Career Clusters
Pathways to College & Career Readiness

ADVANCE CTE
State Leaders Connecting Learning to Work


Marketing & Sales
Market Research, Analytics, & Ethics • Marketing & Advertising •
Retail & Customer Experience • Strategic Sales
Connecting and Supporting Success
Middle School
High School
Community College
University
Promising Progressive Career Pathways Map
Education (Skills/ Knowledge)
Middle School Core + Electives
KPS High Schools + Career and Technical Education
CCC - Marketing & Entrepreneurship
Early/Middle College
General Marketing, Business Administration
Skill-Based Credentials
Graphic Design, Supervisory Leadership
Associate of Arts and Sciences
General Marketing, Communication, Business Administration
Bachelor of Arts
International Marketing, Marketing Research, Advertising, Sales and Management Operations, Sales and Business Marketing, Digital Marketing
EDP (K-12)
Dual Enrollment Choices
2+2 Transfer Programs
Work-Based Learning
Job Shadowing, Co-Ops, Internships, Apprenticeships, Summer Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Local Career Opportunities
First-Line Supervisors of Retail Sales Workers $45,540
Retail Salespersons $31,000
Customer Service Representative $38,350
Cashiers $28,380
Computer, Automated Teller, and Office Machine Repairers $46,410
Marketing Managers $129,610
Market Research Analysts and Marketing Specialists $60,000
Sales Managers $129,890
Sales Representatives, Wholesale and Manufacturing, Tech. and Scientific Products $102,360
Kalamazoo Public Schools
Design Your Path to Your Promise
— Explore Where You Can Go.
©2025 P2C and Kalamazoo Public Schools — All rights reserved.
PATHWAY 2 CAREERS



Marketing & Sales

Design Your Path to Your Promise — Here's How You Can Get There.

	English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
MIDDLE SCHOOL	English	6th Grade Math or Accelerated Math	6th Grade Science	Social Studies	Spanish for Beginners (Elective)	Physical Ed./ 6th Gr. Art Studio	Life Skills	Tech Smart/Band Orchestra, or Choir
	English	7th Grade Math or Accelerated Math	7th Grade Science	Social Studies	Spanish Intermediate	Physical Ed./ 7th Gr. Art Studio	Life Skills	Tech Smart/Band Orchestra, or Choir
	English	8th Grade Math or Algebra	Science/Robotics	Social Studies	Mandarin	Physical Ed./ 8th Gr. Art Studio	Life Skills	Tech Smart/ Art Foundations

	English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
HIGH SCHOOL	English 9 / Honors English	Algebra 1 or Geometry	Environ. Science & Biology (CEB)	World History	Spanish / French / Mandarin	PE	Tech Smart	Band, Orchestra, or Choir or other career programs below.
	English 10 / Honors English	Geometry or Algebra II	Biology (CEB) and Chemistry	US History	Spanish / French / Mandarin	Health	College/Career Readiness	
	English 11 A or Honors or AP	Algebra II or Stats or AP Stats	Physics	Gov or AP Gov	Spanish / French / Mandarin	Link Crew Lead. Marketing	Economics	
	College Eng. 12 or Honors Eng.	Business Finance and Marketing	Science Elective	Social Studies Elective	Spanish / French / Mandarin	Fine Arts	Business Academy	

Grade	Possible Career-Connected Pathway Choices	
9	Creative Writing	Basic Marketing
10-12	Marketing, Entrepreneurship, & Advanced Career Planning	Advanced Marketing
10-12	Link Crew Leadership Marketing	Business Academy
11-12	International Business	School Store: Maroon Shop

Dual Enrollment Courses

- Business Principles/Practices
- Principles of Marketing
- Math for Business & Industry
- Business Computer Applications
- Business Writing Skills
- College Writing I
- Public Speaking

Postsecondary Programs/Majors/Apprenticeships for Occupations in this Career Cluster

Certificates, Associate's Degrees, and Apprenticeships	Bachelor's and Advanced Degrees
• General Marketing, AAS	• International Marketing
• Communication, AA	• Marketing Research
• Business Administration, AAS or AA	• Advertising
• Graphic Design Cert.	• Sales and Management Operations
• Supervisory Leadership Cert.	• Sales and Business Marketing
	• Digital Marketing

Kalamazoo Public Schools

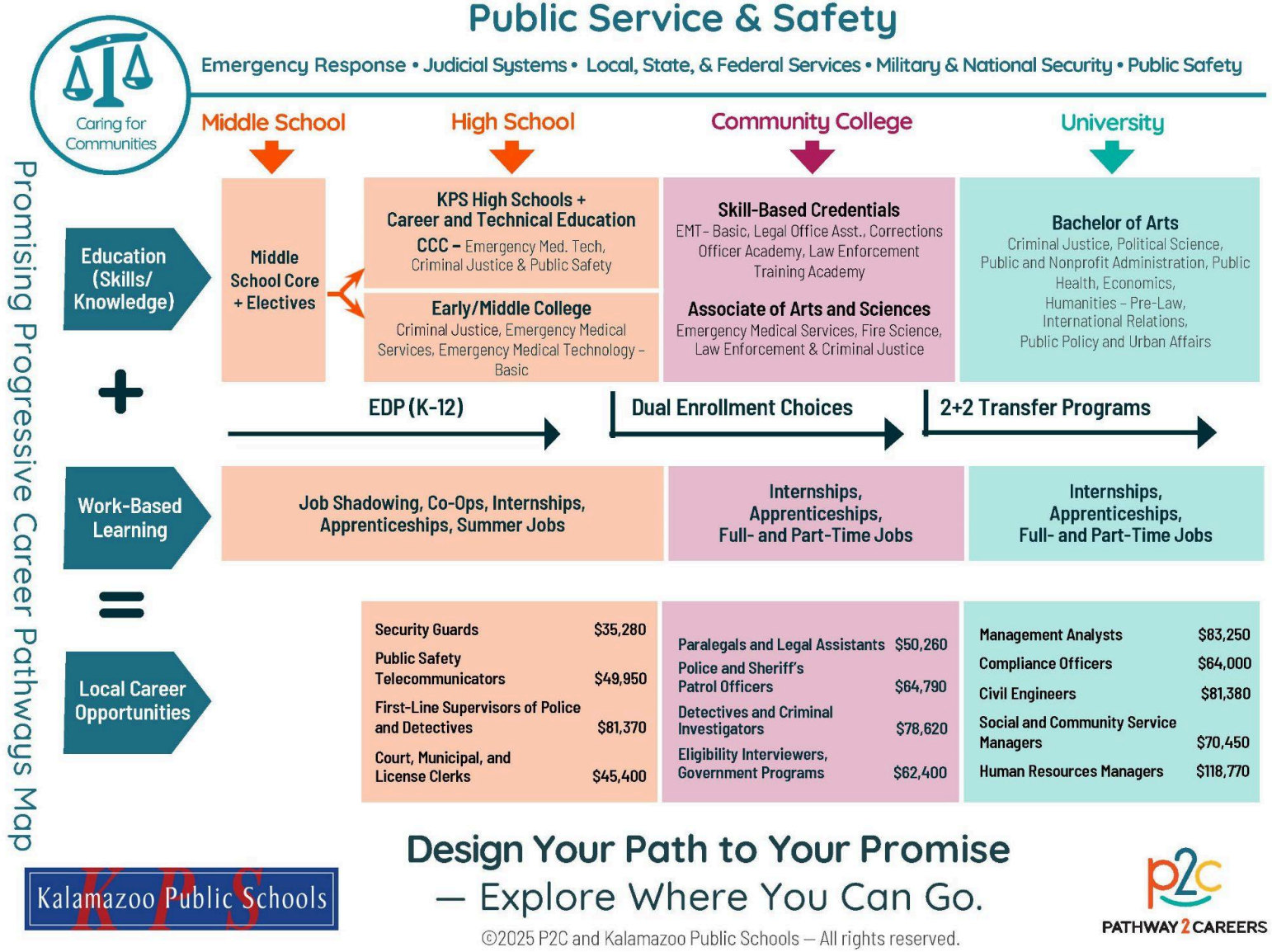
©2025 P2C and Kalamazoo Public Schools — All rights reserved.

P2C PATHWAY 2 CAREERS

Cross-Cutting Cluster | Marketing & Sales: *Improving Communication & Connections*	
Cluster Definition: The Marketing & Sales Career Cluster focuses on promoting products, understanding consumer needs, engaging with communities, and driving sales. It integrates digital marketing, data analysis, brand promotion, customer relationship management, strategic communications, human-centered design, and retail strategies to build strong customer connections and support business growth. This Cluster is essential in all industries for creating value, effectively reaching and engaging target audiences, and achieving commercial success in a competitive marketplace.	
Sub-Clusters	**Example Programs of Study**
Market Research, Analytics, & Ethics: Careers focused on gathering, analyzing, and interpreting market data and consumer behaviors to inform strategic decisions and enhance business relationships. Professionals in this field use data analysis to understand market trends, competition, and customer interactions. This field aims to optimize customer retention and drive sales growth through informed strategies while maintaining awareness of ethical advertising practices, particularly those affecting the health and financial well-being of underserved populations.	Marketing Research Social Media & Analytics
Marketing & Advertising: Careers focused on using digital technologies and traditional strategies to promote products and services to engage customers and maintain brand identity. This Sub-Cluster includes leveraging online platforms, social media, and email marketing to communicate with audiences digitally. Professionals in this field design and manage brand advertising campaigns and promotions to enhance brand image and market position.	Marketing Marketing Management
Retail & Customer Experience: Careers focused on the essentials of retail operations and the delivery of outstanding customer experiences. This Sub-Cluster covers both physical and online store management, visual merchandising, inventory strategies, and customer service enhancement. Professionals in this field are prepared to drive retail success and customer satisfaction by creating engaging and personalized shopping experiences and enhance customer protection by educating consumers on correct product usage and unfair practices in the marketplace.	Merchandising
Strategic Sales: Careers that help businesses grow and achieve goals. This field covers setting targets, refining sales processes, leading teams, and prioritizing excellent customer service in direct sales. Professionals in this field specialize in business development, partnership building, and customer engagement, adapting to the dynamic demands of today's marketplace.	Business Communications

Career Clusters
Pathways to College & Career Readiness

ADVANCE CTE
State Leaders Connecting Learning to Work


Public Service & Safety
Emergency Response • Judicial Systems • Local, State, & Federal Services • Military & National Security • Public Safety
Caring for Communities
Promising Progressive Career Pathways Map
Middle School
High School
Community College
University
Education (Skills/ Knowledge)
Middle School Core + Electives
KPS High Schools + Career and Technical Education
CCC – Emergency Med. Tech, Criminal Justice & Public Safety
Early/Middle College
Criminal Justice, Emergency Medical Services, Emergency Medical Technology – Basic
Skill-Based Credentials
EMT– Basic, Legal Office Asst., Corrections Officer Academy, Law Enforcement Training Academy
Associate of Arts and Sciences
Emergency Medical Services, Fire Science, Law Enforcement & Criminal Justice
Bachelor of Arts
Criminal Justice, Political Science, Public and Nonprofit Administration, Public Health, Economics, Humanities – Pre-Law, International Relations, Public Policy and Urban Affairs
EDP (K-12)
Dual Enrollment Choices
2+2 Transfer Programs
Work-Based Learning
Job Shadowing, Co-Ops, Internships, Apprenticeships, Summer Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Local Career Opportunities
Security Guards $35,280
Public Safety Telecommunicators $49,950
First-Line Supervisors of Police and Detectives $81,370
Court, Municipal, and License Clerks $45,400
Paralegals and Legal Assistants $50,260
Police and Sheriff's Patrol Officers $64,790
Detectives and Criminal Investigators $78,620
Eligibility Interviewers, Government Programs $62,400
Management Analysts $83,250
Compliance Officers $64,000
Civil Engineers $81,380
Social and Community Service Managers $70,450
Human Resources Managers $118,770
Kalamazoo Public Schools
Design Your Path to Your Promise
— Explore Where You Can Go.
©2025 P2C and Kalamazoo Public Schools — All rights reserved.
p2c
PATHWAY 2 CAREERS

Public Service & Safety

Design Your Path to Your Promise — Here's How You Can Get There.

	English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
MIDDLE SCHOOL	English	6th Grade Math or Accelerated Math	6th Grade Science	Social Studies	Spanish for Beginners (Elective)	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart
	English	7th Grade Math or Accelerated Math	7th Grade Science	Social Studies	Spanish Intermediate	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart
	English	8th Grade Math or Algebra	Science/Robotics	Social Studies	Spanish 1	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart

	English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
HIGH SCHOOL	English 9 / Honors English	Algebra 1 or Geometry	Environ. Science & Biology (CEB)	World History	Spanish	PE	Tech Smart	Band, Orchestra or Choir or other career programs below.
	English 10 / Honors English	Geometry or Algebra II	Biology (DEE) and Chemistry	US History	Spanish	Health	College/Career Readiness	
	English 11 A or Honors or AP	Algebra II or Statistics	Physics	Gov or AP Gov	Spanish / (future Arabic)	American Military History	Economics	
	College Eng. 12 or Honors Eng.	Statistics or Personal Finance	Science Elective	Social Studies Elective	Spanish / (future Arabic)	Fine Arts	Government & Politics	

Grade	Possible Career-Connected Pathway Choices	
9	Family, Career, and Community Leaders of Amer.	American Military History
10-12	Law I & II	Economics
11-12	Criminal Justice & Public Safety	Government & Politics
12	Emergency Medical Technician Program	AP U.S. Government & Politics

Dual Enrollment Courses

- Basic Emergency Medical Tech
- Medical First Responder
- Human Anatomy & Physiology I
- Intro to Law Enforcement & Criminal Justice
- Intro to Corrections
- Criminal Law & Procedure
- College Writing I
- Legal Terminology

Postsecondary Programs/Majors/Apprenticeships for Occupations in this Career Cluster

Certificates, Associate's Degrees, and Apprenticeships	Bachelor's and Advanced Degrees
• EMS, AAS • EMT Basic, COA • Fire Science, AAS • Law Enforcement & Criminal Justice, AA • Corrections Officer Academy • Police Academy • Legal Office Asst. Cert.	• Criminal Justice • Political Science • Public and Nonprofit Administration • Public Health • Economics • Humanities – Pre-Law • International Relations

Kalamazoo Public Schools

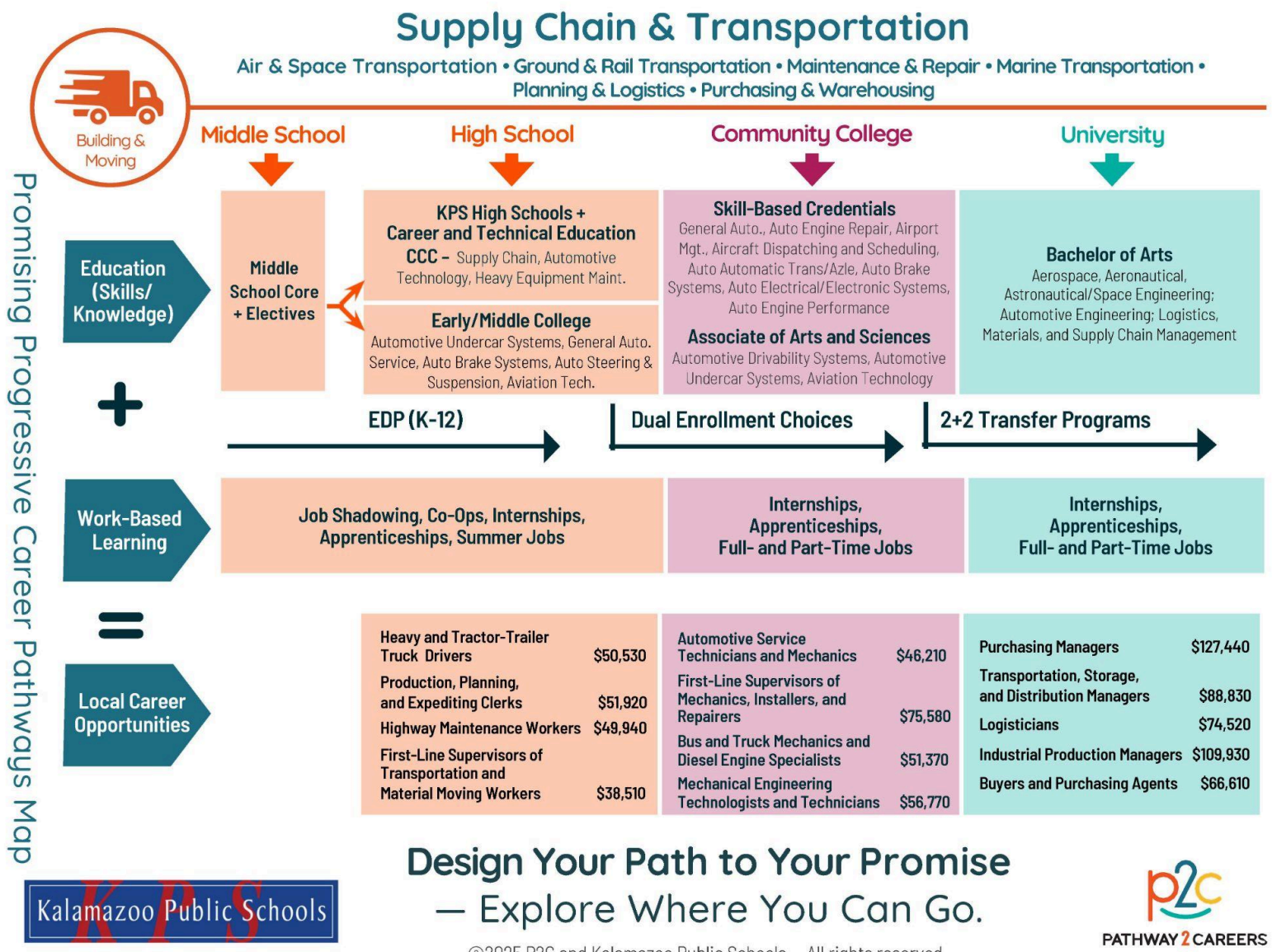
©2025 P2C and Kalamazoo Public Schools — All rights reserved.

P2C PATHWAY 2 CAREERS

Public Service & Safety: *Shaping, Serving, & Protecting Our Communities*	
Cluster Definition: The Public Service & Safety Career Cluster encompasses roles in local, state, and federal government; legal and justice systems; security; and military operations, all aimed at promoting civic responsibility and ensuring the well-being, security, functionality, and resilience of communities, states, and countries.	
Sub-Clusters	**Example Programs of Study**
Emergency Response: Careers focused on strategic actions taken to prepare for and manage crises and emergencies, including natural disasters, fires, accidents, and other urgent situations. Careers in this field involve training in rapid assessment, effective communication, and critical decisionmaking to mitigate risks, provide urgent medical services, and coordinate recovery efforts. This Sub-Cluster includes work in various settings, from government agencies to private organizations, that play a crucial role in safeguarding public health and safety.	Emergency & Fire Management Services Fire Science
Judicial Systems: Careers dedicated to maintaining the legal system, upholding justice, fairness, and the rule of law for both individuals and organizations. This Sub-Cluster encompasses a wide range of professions within the legal framework and court systems, focusing on ensuring that legal processes and justice delivery are carried out effectively and efficiently.	Legal Studies Paralegal & Legal Assistant Training
Local, State & Federal Services: Careers in government agencies responsible for policy and economic development, ensuring democratic processes, access to public services, governance, public administration, public policy, urban and regional planning, and community development. This field delivers services that support the protection of public goods and community resources such as local parks, libraries, and recreation centers and promote the well-being, stability, and sustainable growth of communities and their residents.	Economics Public Management & Administration Regional & Urban Planning
Military & National Security: Careers centered on safeguarding countries through defense operations, strategic planning, intelligence gathering, and technological resilience. Professionals in this field prevent threats and ensure citizens' safety while serving in the military, government, or private sector, playing a crucial role in maintaining national stability and preparedness.	National Security
Public Safety: Careers in law enforcement, corrections, and both public and private security. This Sub-Cluster focuses on safeguarding communities, managing correctional and rehabilitation facilities, and providing comprehensive protective services. Professionals in this field work to prevent crime, inform and educate citizens, and ensure public order, contributing to the overall safety and well-being of society.	Criminal Justice Law Enforcement Services Security & Protective Services

Career Clusters
Pathways to College & Career Readiness

ADVANCE CTE
State Leaders Connecting Learning to Work


Supply Chain & Transportation
Air & Space Transportation • Ground & Rail Transportation • Maintenance & Repair • Marine Transportation • Planning & Logistics • Purchasing & Warehousing
Building & Moving
Middle School
High School
Community College
University
Education (Skills/ Knowledge)
Middle School Core + Electives
KPS High Schools + Career and Technical Education
CCC – Supply Chain, Automotive Technology, Heavy Equipment Maint.
Early/Middle College
Automotive Undercar Systems, General Auto. Service, Auto Brake Systems, Auto Steering & Suspension, Aviation Tech.
Skill-Based Credentials
General Auto., Auto Engine Repair, Airport Mgt., Aircraft Dispatching and Scheduling, Auto Automatic Trans/Azle, Auto Brake Systems, Auto Electrical/Electronic Systems, Auto Engine Performance
Associate of Arts and Sciences
Automotive Drivability Systems, Automotive Undercar Systems, Aviation Technology
Bachelor of Arts
Aerospace, Aeronautical, Astronautical/Space Engineering; Automotive Engineering; Logistics, Materials, and Supply Chain Management
EDP (K-12)
Dual Enrollment Choices
2+2 Transfer Programs
Work-Based Learning
Job Shadowing, Co-Ops, Internships, Apprenticeships, Summer Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Local Career Opportunities
Heavy and Tractor-Trailer Truck Drivers $50,530
Production, Planning, and Expediting Clerks $51,920
Highway Maintenance Workers $49,940
First-Line Supervisors of Transportation and Material Moving Workers $38,510
Automotive Service Technicians and Mechanics $46,210
First-Line Supervisors of Mechanics, Installers, and Repairers $75,580
Bus and Truck Mechanics and Diesel Engine Specialists $51,370
Mechanical Engineering Technologists and Technicians $56,770
Purchasing Managers $127,440
Transportation, Storage, and Distribution Managers $88,830
Logisticians $74,520
Industrial Production Managers $109,930
Buyers and Purchasing Agents $66,610
Promising Progressive Career Pathways Map
Kalamazoo Public Schools
Design Your Path to Your Promise
— Explore Where You Can Go.
©2025 P2C and Kalamazoo Public Schools – All rights reserved.
PATHWAY 2 CAREERS

Supply Chain and Transportation

Design Your Path to Your Promise — Here's How You Can Get There.

	English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
MIDDLE SCHOOL	English	6th Grade Math or Accelerated Math	6th Grade Science	Social Studies	Mandarin Chinese	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart
	English	7th Grade Math or Accelerated Math	7th Grade Science	Social Studies	Spanish for Beginners	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart
	English	8th Grade Math or Algebra	Science/Robotics	Social Studies	Spanish 1	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart

	English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
HIGH SCHOOL	English 9 / Honors English	Algebra 1 or Geometry	Environ. Science & Biology (CEB)	World History	Mandarin / Spanish	PE	Tech Smart	Band, Orchestra, or Choir or other career programs below.
	English 10 / Honors English	Geometry or Algebra II	Biology (DEE) & Chemistry	US History	Mandarin / Spanish	Health	College/Career Readiness	
	English 11 A or Honors or AP	Algebra II or Personal Finance	Physics	Gov or AP Gov	Mandarin / Spanish	Skills for Success	Economics	
	College Eng. 12 or Honors Eng.	Personal Finance or Math Modeling	Science Elective	Social Studies Elective	Mandarin / Spanish	Fine Arts	Link Crew Leadership	

Grade	Possible Career-Connected Pathway Choices	
9	Automotive Technology	Supply Chain
10-12	Link Crew Leadership	Aviation Technology I & II
10-12	International Business	Skills for Success
12	Mechatronics: Robotics & Automation	International Business

Dual Enrollment Courses

- Shop Fundamentals
- Ethics & Employability Skills
- Intro to Automotive Electrical
- Supervisory Leadership Certificate
- Interpersonal Communication

Postsecondary Programs/Majors for Occupations in this Career Cluster

Certificates, Associate's Degrees, and Apprenticeships	Bachelor's and Advanced Degrees
• Automotive Undercar Systems, AAS • General Automotive Cert. • Auto Engine Repair, COA • Aviation Technology, AS • Aircraft Dispatching and Scheduling Cert. • Airport Management Cert.	• Supply Chain Management • Management • Aviation Management and Operations • Aviation Technical Operations

Kalamazoo Public Schools

©2025 P2C and Kalamazoo Public Schools — All rights reserved.

P2C PATHWAY 2 CAREERS

Supply Chain & Transportation: *Driving Efficiency & Streamlining Tomorrow's Transport*

Cluster Definition: The Supply Chain & Transportation Career Cluster encompasses the transfer, coordination, and management of goods from production to consumption, ensuring efficient movement across various modes of transportation including air, ground, and water, as well as maintenance of the respective transport modes. This Cluster integrates logistics and distribution networks to facilitate the seamless flow of materials and products, playing a crucial role in global commerce, economic development, and community health.

Sub-Clusters	Example Programs of Study
Air & Space Transportation: Careers related to the design, operation, and management of both air and space transportation, including air cargo and passenger services, as well as space exploration and satellite operations. This field incorporates the maintenance of electrical equipment such as radios, navigation equipment, and autopilot systems. Careers in this field ensure the safety and efficiency of air transport and advance space travel and research. This Sub-Cluster also includes managing flight operations and air traffic, designing aerospace systems, and conducting space exploration.	Aviation Technology Avionics "Your Place in Space" Department of Education Program
Ground & Rail Transportation: Careers related to the transportation of goods and passengers by road and rail. This field includes the design, operation, and management of automotive, trucking, rail operations, and logistics services, focusing on efficient and safe ground transport. Professionals in the field of rail operations work in a variety of settings from urban transit systems, such as subways and light rail, to cross-country freight and high-speed passenger trains, emphasizing the diverse yet specialized skills required to meet a wide range of transportation needs.	Commercial Driving Railroad Operations
Maintenance & Repair: Careers encompassing the repair and maintenance of transportation systems, including ground vehicles, rail vehicles, aircraft, and nautical vessels. This field also integrates specialized areas such as auto body and engine repair and is increasingly influenced by advancements in technology, including the maintenance of electric vehicles and systems for autonomous driving. Professionals in this field ensure that all forms of transportation equipment operate safely and efficiently, adapting to new technologies to meet evolving demands.	Auto Body Technology Automotive Maintenance Diesel Mechanics Electric Vehicle Maintenance
Marine Transportation: Careers in the design, operation, and management of maritime vessels and infrastructure for the transportation of goods and passengers, and watercraft used in sports and leisure activities. Professionals in this field engage in managing ship navigation; engineering marine systems; overseeing port operations; and ensuring the safety and maintenance of recreational vessels such as yachts, human-powered craft, and water powersport vehicles.	Marine Transport Vessel Operations
Planning & Logistics: Careers focused on managing and optimizing the supply chain's flow of goods and information. This Sub-Cluster encompasses roles in transportation planning, supply chain coordination, and efficient material sourcing, all aimed at enhancing efficiency, minimizing waste, ensuring safety, and facilitating timely delivery. This field integrates modern technologies to improve production, drive innovation, and maintain competitiveness in global trade systems. It also includes urban and regional planning for transit, further supporting effective transportation and logistics.	Transportation, Distribution, & Logistics Systems
Purchasing & Warehousing: Careers centered around procurement, warehousing, and facility maintenance. Professionals in procurement negotiate contracts and purchases as well as manage supplier relationships. Warehousing includes careers that oversee efficient storage, dispatch, and inventory control of goods. Professionals in facility maintenance manage supply chain facilities, ensuring operational efficiency and compliance with safety regulations.	Business Administration Supply Chain Management

Kalamazoo Public Schools
College and Career Awareness & Exploration Resources

Higher Education

Early/Middle College Programs
Kalamazoo County Early/Middle College (EMC) is an innovative early college program, which gives students the opportunity to earn an associate degree or certificate with an additional year of high school.

Kalamazoo Valley Community College
Kalamazoo Valley Community College seeks to provide every student with clear, flexible program options that provide a mix of educational skills and experiences that will prepare students for advanced coursework at top universities and meaningful opportunities for employment in a changing world.

Kalamazoo College
Kalamazoo College offers qualified high school students the opportunity to enroll in courses while concurrently enrolled in high school during the fall, winter, and spring terms.

Western Michigan University
Dual enrollment through Early College Programs at WMU provides eligible high school students with credits that may be applied toward high school graduation requirements, as well as a college or university program.

The Kalamazoo Promise
Choosing a career path is one of the biggest and most important decisions you'll ever make. The good news is that The Promise is here to help you find and pursue the career path that fits you best.

Local Career Training Programs

Career Launch Kalamazoo
This modernized Youth Apprenticeship Program that provides flexible occupational training programs that cultivate well-educated, highly skilled workers able to meet the demands of a competitive global economy in careers that are in high demand.

Kalamazoo RESA Career Connect Campus
New in the 2025-2026 school year, students will have the opportunity to participate in programs at the Career Connect Campus (CCC). The inaugural class of students at the CCC will learn from industry experts in a new, state-of-the-art facility.

Teach Kalamazoo
Kalamazoo's Grow Your Own (GYO) Teacher Residency program includes apprenticeships and numerous on-ramps into the teaching profession for undergraduate and graduate students, staff, parents, paraprofessionals, for anyone with an existing bachelor's degree, and/or anyone who is interested in entering the honorable and fulfilling profession of teaching.

Labor Market Tools

Michigan Pathfinder
Pathfinder uses current labor market, wage, and institutional data and metrics to help you create an individualized career roadmap. This free tool provides information to students, parents, and guidance staff to make informed choices about educational and career options.

Pure Michigan Talent Connect
Michigan's free online career exploration tool that provides information on in-demand careers and the degrees or credentials needed to pursue them.

©2025 P2C and Kalamazoo Public Schools — All rights reserved.

College & Career Exploration and Resources

Xello Career Exploration
Kalamazoo Public Schools uses the Xello platform so students in grades K-12 can build self-knowledge and explore options beyond high school.

Michigan Career Development Model
The Michigan Career Development Model (MCDM) is a framework, guided by legislation that engages school communities, students, and their support networks in intentional and meaningful career awareness, exploration, and preparation.

Advance CTE National Career Clusters Framework
The National Career Clusters® Framework provides a shared structure and language for CTE program design across the United States. The new framework provides meaningful career exploration and preparation experiences through Career Technical Education (CTE) that prepare students for the changing and interconnected world of work.

Michigan Pathfinder
Pathfinder provides valuable information to help students make informed choices about educational and career options.

O*NET Online
O*Net provides a collection of resources to inform students' college and career journeys: a Career Exploration Tool, O*NET Interest Profiler, My Next Move, Career One Stop, and Get My Future.

FAFSA
Need some financial assistance to pursue higher education? Click here to access the Free Application for Federal Student Aid (FAFSA) to explore what financial aid and programs are available to you.

SAT/PSAT – College Board
The SAT and PSAT are standardized tests meant to show colleges and universities how prepared students are for college by measuring key skills like reading comprehension, computational ability, and clarity of expression.

EBSCO Learning Express
EBSCO LearningExpress provides online platforms for academic skill building, standardized test preparation, and career-oriented digital content. It helps students prepare for college, explore careers, and accelerate their journey into careers.

Credential Center
Certifications demonstrate for employers that job candidates have specific skills or knowledge in an occupation, industry, or technology. This site helps students explore training associated with certifications and credentials.

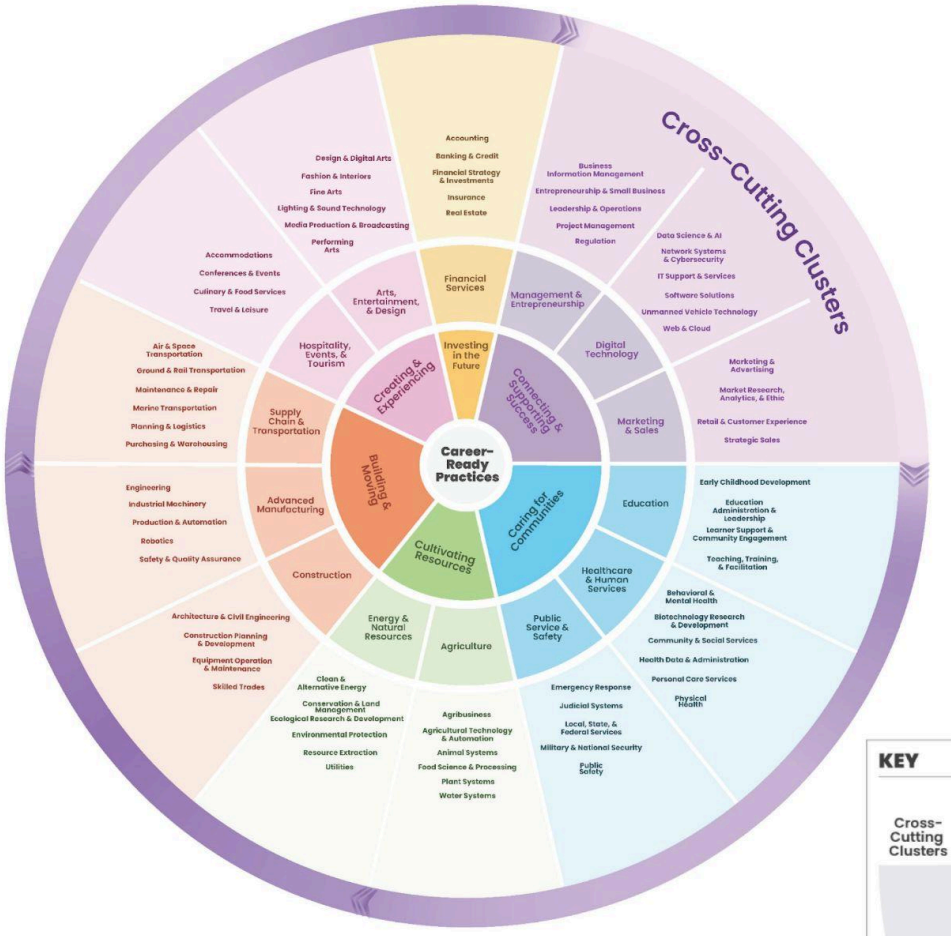
Apprenticeship USA
Discover apprenticeships across industries, how programs are started by employers, and how to become an apprentice.

ASVAB Career Exploration
The Armed Services Vocational Aptitude Battery (ASVAB) is a multiple-aptitude battery that measures developed abilities and helps predict future academic and occupational success in the military.

Career Clusters
Pathways to College & Career Readiness

The Framework: Wheel View

ADVANCE CTE
State Leaders Connecting Learning to Work



The Career Clusters logo and its extensions are registered trademarks of Advance CTE. Our use of them does not imply an affiliation with or endorsement by Advance CTE.

