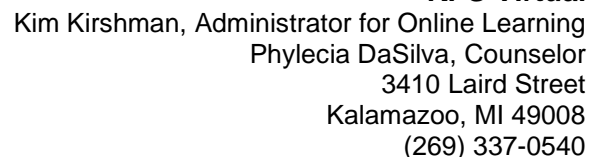


Kalamazoo Public Schools



BULLETIN OF COURSES

Every child. Every opportunity. Every time.



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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.

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.



Kelly Fullerton



Jennifer Garrison

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.

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.



Annie Hampel



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 life-long 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.

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.



Rebecca Learner

Mrs. Learner earned her Bachelor of Arts Degree from the University of Michigan in 1984 and her Master of Arts Degree in Counseling Education and Counseling Psychology from Western Michigan University in 1988. Mrs. Learner joined the counseling office at Loy Norrix High School in 1997. Prior to that she worked as an elementary teacher and counselor.

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.



Becky Parsons



Pamela Cook

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.

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.



Natalie Washington

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 in core subject areas help students engage themselves 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 7:28 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
- Career Cruising – a planning tool to create an educational development plan, access career interests, and explore career options.

Graduation Credits:

19 credits are required to graduate from Phoenix High School, included are the following course credits:

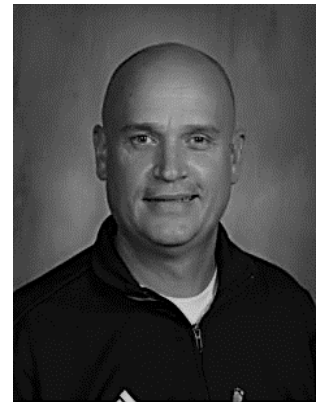
4.0 English	1.0 Visual, Performing, and Applied Arts	0.5 Health
4.0 Math	2.0 World Language	0.5 Online Experience
3.0 Science	0.5 Physical Education	0.5 Elective
3.0 Social Studies		

Enrollment Process

1. Inform home school 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

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).



Randen Kroes

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 Options: Students meet for 2.0 hours in person on Monday, Wednesday, Thursday or on Tuesday, Wednesday, Friday.

Option A	Monday	Tuesday	Wednesday	Thursday	Friday
8:55 -10:55	Group 1	Remote	Group 1	Group 1	Remote
10:55 -12:55	Group 2	Remote	Group 2	Group 2	Remote
1:55 - 3:55	Group 3	Remote	Group 3	Group 3	Remote
Option B	Monday	Tuesday	Wednesday	Thursday	Friday
8:55 -10:55	Remote	Group 4	Group 4	Remote	Group 4
10:55 -12:55	Remote	Group 5	Group 5	Remote	Group 5
1:55 - 3:55	Remote	Group 6	Group 6	Remote	Group 6

Graduation Requirements: 19 credits

4.0 English
4.0 Math
3.0 Science

3.0 Social Studies
1.0 Visual, Performing, and Applied Arts
2.0 World Language

0.5 Physical Education
0.5 Health
1.0 Elective

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. [2023-24 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.



KPS Virtual Secondary Program

KPS Virtual Secondary Program is a “choice” program at Kalamazoo Public Schools that families can opt into during the **Letter of Intent 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: 26 credits

4.0 English	0.5 Computer Applications	0.5 Physical Education
4.0 Math	0.5 College/Career Readiness	0.5 Health
3.0 Science	2.0 World Language	6.0 Elective
4.0 Social Studies	1.0 Visual, Performing, Applied Arts	

How to Enroll: Sign up for KPS Virtual (Secondary) through the Letter of Intent 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 Program

Enrollment/Grade Classification

Ninth Grade: Students who enter 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	5.5
Junior	Grade 11	13.0
Senior	Grade 12	18.5

Minimum number of credits required to graduate: 26.0

Graduation Requirements

NOTE: The following graduation requirements were adopted by the Kalamazoo Public Schools' Board of Education and meet 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 2024 – 2025	
Required Subjects	# of Credits
English	4
Mathematics	4
Science	3
Social Studies	4
Physical Education .....	.5
Health .....	.5
Visual, Performing and Applied Arts	1
College and Career Readiness .....	.5
Computer Applications .....	.5
World Language	2
Electives	6-10

Additional Requirements for Graduation:

- Michigan Merit Exam (MME)
- 20-Hr. Online Experience
(Met in College & Career Readiness course)

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 are required to pass all core academic courses. Students who fail a course (required for graduation) will have to make up the course either during the regular school day, Courseware, or through alternative means.

Required Credits and Course Options

Computer Technology

Students need one-half (0.5) credit in the following course to meet the KPS graduation requirement:

	<u>Pg.</u>
Computer Applications	36

KPS students who passed the Computer Applications course in eighth grade will have met this requirement.

English

Four (4.0) credits are required for graduation:

English 9 (or Honors English 9)	57
English 10 (or Honors English 10)	58
English 11 (or Honors English 11)	59
or AP English: Language & Composition	60

Students must take one English or English-related course during their senior year.

Students must choose from the following courses to fulfill the fourth credit requirement for graduation.

AP English: Language and Composition	60
AP English: Literature and Composition	60
English 12	60
College English	60
Advanced Journalism	61

Health

Students must take one of the following courses to meet the health requirement (0.5 credit) for graduation:

Health: A Wellness Approach	68
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Mathematics

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

	<u>Pg.</u>
Algebra I *	70
Geometry	70
Algebra II	71

**KPS students who passed 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 or did not pass Algebra I in 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 four trimesters for two math credits.

Students must earn one math or math-related credit during their senior year.

Any of the following math or math-related electives will count towards fulfillment of the fourth credit requirement:

<u>Math or Math-Related Electives</u>	<u>Pg.</u>
Accounting	33
Advanced Placement Calculus AB	73
Advanced Placement Statistics	73
AP Computer Science Principles	51
Art and Design Career Skills	48
Automotive Technology	48
Aviation Technology	51
Basic Marketing	35
Business Finance	34
Business Information Systems	34
Computerized Manufacturing	52
Construction Trades	49
Culinary Arts	53
Electrical Technology	53
Electronics and Robotics	49
Engineering in Wood Technology	54
Heating, Ventilation, Air Conditioning, and Refrigeration	54
Honors Chemistry: Analytical	80
Honors Chemistry: Organic	80
International Business	34
Math Analysis	72
Mathematical Modeling	72
Mechatronics	55
Physics	81
Precalculus	73
Statistics and Probability	73
Welding Trades	55

¹ Refer to page 18 or see your counselor for more information about testing out.

Required Credits and Course Options

Online Experience

Students must take the following **one-half (0.5) credit** course to meet the state mandated online experience required for graduation:

College and Career Readiness	Pg. 29
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Students may waive the College and Career Readiness course by fulfilling the minimum 20 hours of online learning experience in accordance with the guidelines published by the Michigan Department of Education. Please refer to pages 97 and 98 for additional information.

Physical Education **

Students must earn **one-half (0.5) credit** of physical education to meet the MMC requirements and graduate from KPS.

Students are required to elect one of the following courses to fulfill the physical education requirement:

	Pg.
Healthy Lifestyles Through Aquatics	77
Healthy Lifestyles Through Physical Act.	77
*EFA: Beginning Dance Studio	44
Marching Band	74

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

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

Science

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

<u>Physical Science Courses</u>	Pg
Environmental Science A	80
Chemistry: Foundations	79
Honors Chemistry: Analytical	80
Honors Chemistry: Organic	80
Forensics Science A	80
Physics	81
AP Physics	82
AP Chemistry	82



Science (continued)

<u>Life Science</u>	Pg.
Biology	79
Human Anatomy and Physiology	81
Forensics Science B	80
AP Biology	82

Earth Science Courses

Environmental Science B	80
Astronomy	79
Earth Science	80
Geology	81

Students may also complete the third science credit required for graduation by electing any Career and Technical Education (CTE) course (must be at least one credit), including, but not limited to: (Refer to page 54).

Agriscience: Animals and Plants	49
AP Computer Science Principals	51
Art and Design Career Skills	46
Automotive Technology	46
Aviation Technology I or II	51
Computerized Manufacturing	52
Conservation Biology	52
Construction Trades	49
Dental Assisting	53
Electrical Technology	53
Electronics and Robotics I or II	49
Emergency Medical Technology (EMT)	53
Engineering in Wood Technology	54
Health Science	54
Heating, Ventilation, Air Conditioning and Refrigeration	54
Mechatronics	55
Veterinary Science	55
Welding Trades	55

Social Studies

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

World History	83
United States History or AP U.S. History	83
Economics	84
Government and Politics: United States or AP United States Government and Politics	84
Students must earn an additional (0.5) social studies credit to fulfill the graduation requirement.	86

Required Credits and Course Options

Visual, Performing and Applied Arts *

Any of the following courses will count towards the **1.0 credit** in Visual, Performing and Applied Arts needed for graduation:

	<u>Pg.</u>		<u>Pg.</u>
Abstracted Sculpture	30	Master Singers	75
Advanced Art for Portfolio Preparation	30	(KVCC) Media Arts	44
Advanced Mixed Chorus	75	Mixed Chorus	75
Advanced Musical Theatre Workshop	45	Mixed Media	31
Advanced Placement Art History	32	Object Drawing	31
Advanced Placement Studio Art Portfolio	32	Orchestra	74
African American Studies	84	Painting	31
American Popular Music	76	Parenting	68
Art and Design Career Skills	48	Photography: Digital Imaging	31
Basic Design	30	Public Speaking	62
Basic Marketing	35	Representational Sculpture	31
Beginning Dance Studio	44	Slam Poetry: Writing and Performance	62
Business Information Systems B	34	Symphonic Band	74
Cartoon/Comic Drawing	30	Teacher Academy	55
Ceramics as Sculpture	30	Theatre Improv and Scriptwriting	45
Computerized Manufacturing	52	Treble Chorus	76
Concert Band	74	Watercolor	32
Construction Trades	49	Welding Trades	55
Cosmetology or Barbering	52	Women's Honors Chorale	76
Creative Writing	61	Yarn: Weave, Knit and Sew (Fiber Arts)	32
Culinary Arts	53	Yearbook	61
Debate	61		
Digital Photo Art	43		
Digital Studio Art	43		
Drama I and Drama II	66		
Drawing Studio	30		
Electronics and Robotics I	49		
Engineering in Wood Technology	54		
Figure Drawing	31		
Film and Video Arts	44		
Food and Nutrition	67		
Forensics	62		
Functional Ceramics	31		
Graphic Design	31		
Hawthorne Singers	75		
Intermediate Dance Studio	44		
Jewelry Design	31		
Journalism	61		
Literature Through Films	61		
Marching Band	74		

World Language

Two (2.0) credits are required for graduation.

Students may earn their two (2.0) 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 requirement for Visual, Performing, and Applied Arts (VPAA); or
2. Any CTE course.

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

** Areas marked with an asterisk (Health, Physical Education, and Visual, Performing and Applied Arts) may be subject to a waiver. For more information, please contact your school counselor or dean of students.*

Required Credits and Course Options

Possible Course Pathways in Science						
	Medical Science	Environmental Science	Engineering	Citizen Science	Criminal Justice	Computer Science
Associated Careers	Physician, Nurse, Medical Technician, Veterinary Medicine, Biomedical Scientist, EMTs, Physical Therapist, Radiologists, Sports Medicine	Landscaping, Environmental Engineer, Biologist, Forester, Geologist, Pharmacist, Laboratory Technician, Chemist	Mechanical Engineer, Electrical Engineer, Electrician, Architect, Manufacturing, Construction Trades, Plumber, Welder, Heating and Cooling Technician	Entrepreneur, Business Owner, Artist, Politician, Communications, Hospitality, Culinary Arts, Barbering, Cosmetology, Human Resources	Lawyer, Police Officer, Fire Fighter, Conservation Officer, Detective, Security Guard, Health and Safety Officer	Technology Specialist, Software Developer, Web Design, Computer Engineer, Systems Analyst, Computer Programmer, Game Developer
Freshman	Environmental Science A, Environmental Science B, Biology A	Environmental Science A, Environmental Science B	Environmental Science A, Environmental Science B, Biology A	Environmental Science A, Environmental Science B	Environmental Science A, Environmental Science B	Environmental Science A, Environmental Science B, Biology A
Sophomore	Biology B Chemistry: Foundations	Biology A, Biology B or Earth Science A	Physics A, Physics B	Biology A, Biology B or Earth Science A	Biology A, Biology B	Biology B, Physics A & B
Junior	AP Biology or AP Honors Chemistry: Analytical or Organic Anatomy and Physiology A & B	Earth Science B, Chemistry: Foundations, Honors Chemistry: Organic	Chemistry: Foundations, CTE Elective or AP Physics	Any Science Electives (2 trimesters)	Chemistry: Foundations or Forensic Science A, Forensic Science B	AP Physics or Science Elective
Senior	AP Biology or AP Chemistry or Anatomy and Physiology A & B or CTE Elective	AP Chemistry, AP Biology, Geology or CTE elective	Honors Chemistry: Analytical or CTE elective	Optional Science Elective or CTE Elective	Anatomy and Physiology A & B, or CTE Elective	Computer Science (Eligible for Algebra 2 credit) or CTE Elective
CTE Courses	Agriscience: Animals and Plants, Emergency Medical Technician (EMT), Health Science, Veterinary Science, Fundamentals of Health Science, Certified Nurse Assistant, Dental Assistant	Conservation Biology, Construction Trades	Automotive Technology, Aviation Technology, Computerized Manufacturing, Construction Trades, Electrical Technology, Electronics and Robotics, HVAC, Welding Trades	Art and Design, Cosmetology/Barbering, Culinary Arts, Furniture and Cabinetry, Parenting and Child Development, Teacher Academy	Emergency Medical Technician (EMT), Law Enforcement	Computer Science/Software Engineering, Cybersecurity, Electrical Technology, Electronics and Robotics, Information Technology

Required Credits and Course Options

Possible Course Pathways in Math						
	Medical Fields	Science Fields	Engineering	Math Literate Citizen	Public Safety	Computer Science
Associated Career Examples	Physician, Nurse, Medical Technician, Veterinary Medicine, Biomedical Scientist, EMTs, Physical Therapist, Radiologists, Sports Medicine	Landscaping, Environmental Engineer, Biologist, Forester, Geologist, Pharmacist, Laboratory Technician, Chemist	Mechanical Engineer, Electrical Engineer, Electrician, Architect, Manufacturing, Construction Trades, Plumber, Welder, Heating and Cooling Technician	Entrepreneur, Business Owner, Artist, Politician, Communications, Hospitality, Culinary Arts, Barbering, Cosmetology, Human Resources	Lawyer, Police Officer, Fire Fighter, Conservation Officer, Detective, Security Guard, Health and Safety Officer	Technology Specialist, Software Developer, Web Design, Computer Engineer, Systems Analyst, Computer Programmer, Game Developer
8th Grade or Freshman	Algebra	Algebra	Algebra	Algebra	Algebra	Algebra
Freshman or Sophomore	Geometry	Geometry	Geometry	Geometry	<i>Geometry or</i>	Geometry
Sophomore or Junior	Algebra 2 A & B	Algebra 2A & B or Algebra 2A and Statistics	Algebra 2A & B or CTE course	Algebra 2A & Statistics or Algebra 2A Part 1 & 2	Algebra 2A & Statistics or Algebra 2A Part 1 & 2	Algebra 2 A & B
Junior or Senior	Precalculus or Statistics	Statistics or Discrete Math or Precalculus or Math Elective	Precalculus or Statistics or CTE Course, or Math Elective	Personal Financial Literacy, or Math Elective	Algebra 2B Part 1 and 2, or Personal Financial Literacy, or Statistics	Discrete Math or Math Elective
Senior	AP Calculus or AP Statistics	Ap Calculus or AP Statistics	AP Calculus	CTE Course or Math Elective	AP Statistics or Math Elective	CTE Credit <u>AP Computer Science</u>
CTE Courses	Agriscience: Animals and Plants, Emergency Medical Technician (EMT), Health Science, Veterinary Science, Fundamentals of Health Science, Certified Nurse Assistant, Dental Assistant	Conservation Biology, Construction Trades	Automotive Technology, Aviation Technology, Computerized Manufacturing, Construction Trades, Electrical Technology, Electronics and Robotics, HVAC, Welding Trades	Art and Design, Cosmetology/Barbering, Culinary Arts, Furniture and Cabinetry, Parenting and Child Development, Teacher Academy	Emergency Medical Technician (EMT), Law Enforcement,	Computer Science/Software Engineering, Cybersecurity, Electrical Technology, Electronics and Robotics, Information Technology

Trimesters

The Kalamazoo Public High Schools operate on a trimester schedule. We believe the trimester schedule will help students meet the state increased graduation requirements and provide flexibility in meeting students' needs.

On the trimester schedule, the school year is divided into three, 12-week sections. Grades are issued at the end of each trimester.

Sample School Year on the Trimester Schedule		
1 st Trimester	2 nd Trimester	3 rd Trimester
Fall	Winter	Spring
Begins early September	Begins late November	Begins mid-March

One-half (0.5) credit will be awarded for each trimester (12-week) course that is passed successfully. Students shall be scheduled into five courses per trimester. Students can earn 2.5 credits per trimester for three trimesters per year (7.5 credits total per year). A total of 30 credits can be earned by the time the student graduates. Students need a minimum of 26 credits to graduate.

Sample Four-Year Plan on the Trimester Schedule				
		1st Trimester (12 weeks) FALL	2nd Trimester (12 weeks) WINTER	3rd Trimester (12 weeks) SPRING
9th Grade earn 7.5 credits	1 st	• Algebra I 9A	• Algebra I 9B	• Algebra I 9C
	2 nd	• Elective	• Environmental Science A	• Environmental Science B
	3 rd	• World Language I A	• World Language I B	• Honors English 9 B
	4 th	• Honors English 9 A	• World History A	• World History B
	5 th	• Elective	• Elective	• Physical Education
10th Grade earn 7.5 credits 15 credits cumulative	1 st	• Geometry A	• Geometry B	• Health
	2 nd	• Biology A	• World Language II B	• College & Career Readiness
	3 rd	• United States History A	• Biology B	• Honors English 10 B
	4 th	• World Language II A	• Honors English 10 A	• United States History B
	5 th	• Elective	• Elective	• Elective
11th Grade earn 7.5 credits 22.5 credits cumulative	1 st	• Honors English 11 A	• Government & Politics B	• Honors English 11 B
	2 nd	• Government & Politics A	• Science/Science Related	• Science/Science Related
	3 rd	• Elective	• Elective	• Economics
	4 th	• Algebra II A	• Algebra II B	• Elective
	5 th	• Elective	• Elective	• Elective
12th Grade earn 7.5 credits 30 credits cumulative	1 st	• Elective	• Elective	• Elective
	2 nd	• Elective	• Elective	• Elective
	3 rd	• College English A	• College English B	• Elective
	4 th	• Math/math-related course	• Math/math-related course	• Elective
	5 th	• Elective	• Elective	• Social Studies elective

Students are required to pass all core academic courses required for graduation.

Students that 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 Courseware options may also be available.

Addressing Failed Courses – Making up Credits				
1 st Trimester		2 nd Trimester		3 rd Trimester
Geometry A	F	Geometry B Geometry A	C	Debate Geometry B B-

This example shows a student who failed the 'A' section of Geometry (a required course) during the first trimester. 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 3rd trimester so the student could take the second part ('B' section) of the required Geometry course.

Sample Trimester Schedules

FRESHMAN								
9 th Grade		1 st Period 7:33 – 8:44	2 nd Period 8:49 – 9:59	3 rd Period (70 mins) and Lunch (30 mins)		4 th Period 11:54 – 1:05	5 th Period 1:10 – 2:20	
1	FALL September – November	Algebra I 9A or Geometry A (0.5)	Elective or Computer Applications (0.5)	Lunch	World Language I A (0.5)	English 9 A or Honors English 9 A (0.5)	Elective (0.5)	
	2	WINTER December – March	Algebra I 9B or Geometry B (0.5)	Environ. Science A (0.5)	Lunch	World Language I B (0.5)	English 9 B or Honors English 9 B (0.5)	World History A (0.5)
	3	SPRING March - June	Algebra I 9C or Geometry B (0.5)	Environ. Science B (0.5)	Physical Education (0.5)	Lunch	Elective (0.5)	World History B (0.5)
<div><div>• Math (1.5) • Science (1.0) • English (1.0)</div><div>• Social Studies (1.0) • Physical Education (0.5) • World Language I (1.0)</div><div>• Computer Apps (.5) or Electives (1.0)</div></div>								
<div><div>SCHEDULING NOTE:</div><div>KAMSC: Freshman students who attend KAMSC will attend in the A.M. (8:00 – 10:27) and then return to their home school for their 3rd, 4th, and 5th periods.</div></div>								

SOPHOMORE								
10 th Grade		1 st Period 7:33 – 8:44	2 nd Period 8:49 – 9:59	3 rd Period (70 mins) and Lunch (30 mins)		4 th Period 11:54 – 1:05	5 th Period 1:10 – 2:20	
1	FALL September – November	Geometry A or Algebra II A (0.5)	College and Career Readiness (0.5)	Lunch	World Language II A or substitute (0.5)	English 10 A or Honors English 10 A (0.5)	Elective (0.5)	
	2	WINTER December – March	Geometry B or Algebra II B (0.5)	Biology A (0.5)	Lunch	World Language II B or substitute (0.5)	English 10 B or Honors English 10 B (0.5)	U.S. History A (0.5)
	3	SPRING March - June	Elective (0.5)	Science Elective (0.5)	Health (0.5)	Lunch	Elective (0.5)	U.S. History B (0.5)
<div><div><ul style="list-style-type: none">• Math (1.0)• English (1.0)• Social Studies (1.0)</div><div><ul style="list-style-type: none">• Health (0.5)• World Language II (1.0)</div><div><ul style="list-style-type: none">• College & Career Readiness (0.5)• Electives (2.5)</div></div>								
<p>SCHEDULING NOTE: KAMSC: Sophomore students who attend KAMSC will attend in the A.M. (8:00 – 10:27) and then return to their home school for their 3rd, 4th, and 5th periods.</p> <p>AP (Advanced Placement) courses meet for a full year (3 trimesters) for 1.5 credit value (0.5 per trimester).</p>								

NOTES:

Sample Trimester Schedules

JUNIOR							
11 th Grade	1 st Period 7:33 – 8:44	2 nd Period 8:49 – 9:59	3 rd Period (70 mins) and Lunch (30 mins)		4 th Period 11:54 – 1:05	5 th Period 1:10 – 2:20	
1	FALL September – November	Elective (0.5)	Science Elective (0.5)	Lunch	English 11 A or Honors English 11 A or AP English Literature (0.5)	Algebra II A or math elective (0.5)	Government A or AP Government (0.5)
2	WINTER December – March	Economics (0.5)	Science Elective (0.5)	Lunch	English 11 B or Honors English 11 B or AP English Literature (0.5)	Algebra II B or math elective (0.5)	Government B or AP Government (0.5)
3	SPRING March - June	Elective (0.5)	Elective (0.5)	AP English Literature or Elective (0.5)	Lunch	Elective (0.5)	AP Government or Elective (0.5)
<ul style="list-style-type: none"> <li style="width: 33%;">• Math (1.0) <li style="width: 33%;">• English (1.0) <li style="width: 33%;">• Economics (0.5) <li style="width: 33%;">• Science (1.0) <li style="width: 33%;">• Social Studies (1.0) <li style="width: 33%;">• Electives (3.0) 							
<p>SCHEDULING NOTES:</p> <p>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).</p> <p>AP (Advanced Placement) courses meet for a full year (3 trimesters) for a 1.5 credit value (0.5 per trimester).</p>							

SENIOR							
12 th Grade	1 st Period 7:33 – 8:44	2 nd Period 8:49 – 9:59	3 rd Period (70 mins) and Lunch (30 mins)		4 th Period 11:54 – 1:05	5 th Period 1:10 – 2:20	
1	FALL September – November	Elective (0.5)	Elective (0.5)	Lunch	Social Studies Elective (0.5)	College/English 12 A or Honors English A (0.5)	Math or math related A (0.5)
2	WINTER December – March	Elective (0.5)	Elective (0.5)	Lunch	Fine Arts A (0.5)	College/English 12 B or Honors English B (0.5)	Math or math related B (0.5)
3	SPRING March - June	Elective (0.5)	Elective (0.5)	Fine Arts B (0.5)	Lunch	Elective (0.5)	Elective (0.5)
<ul style="list-style-type: none"> <li style="width: 33%;">• Math (1.0) <li style="width: 33%;">• Science (1.0) <li style="width: 33%;">• Social Studies Elective (0.5) <li style="width: 33%;">• English (1.0) <li style="width: 33%;">• Fine Arts (1.0) <li style="width: 33%;">• Electives (2.5) 							
<p>SCHEDULING NOTES:</p> <p>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).</p> <p>AP (Advanced Placement) courses meet for a full year (3 trimesters) for a 1.5 credit value (0.5 per trimester).</p> <p>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.</p>							

Kalamazoo Area Math and Science Center

FRESHMAN AND SOPHOMORE								
		@ K.A.M.S.C.			10:27 – 10:50	(57 minute period) -13 minutes 3 rd Period 10 ⁰⁰ :50 – 11:48	4 th Period 11:54 – 1:05	5 th Period 1:10 – 2:20
		1 st Period	2 nd Period					
		8:00 a.m. – 10:27 a.m.						
1	FALL September – November	Math (0.5)	Science (0.5)	Computers (0.5)	TRAVEL & LUNCH	World Language A (0.5)	English A or Honors English A (0.5)	Elective (0.5)
2	WINTER December – March					World Language B (0.5)	English B or Honors English B (0.5)	Social Studies A (0.5)
3	SPRING March - June	Math (0.5)	Science (0.5)	Computers (0.5)		Elective (0.5)	Elective (0.5)	Social Studies B (0.5)
7.5 credits per year								
Additional Requirements: physical education, health, fine arts, and College and Career Readiness								

JUNIOR AND SENIOR								
		1 st Period 7:35 – 8:45	2 nd Period 8:51-10:01	Leave Early -7 Minutes 3 rd Period 10:07-11:10	11:10 – 11:30	@ K.A.M.S.C.		
						4 th Period		5 th Period
						11:30 – 2:00		
1	FALL September – November	English A <i>or</i> Honors English A (0.5)	Social Studies A (0.5)	Elective (0.5)	TRAVEL & LUNCH	Math (0.5)	Science (0.5)	Computers/ Elective (0.5)
2	WINTER December – March	English B <i>or</i> Honors English B (0.5)	Social Studies B (0.5)	Elective (0.5)				
3	SPRING March - June	AP English <i>or</i> Elective (0.5)	Social Studies (0.5)	Elective (0.5)		Math (0.5)	Science (0.5)	Computers/ Elective (0.5)
7.5 credits per year								
KAMSC seniors have an opportunity (though limited) for extended day classes (6 th Period – 2:05 – 3:05 p.m.) and could earn an additional one (1.0) credit during their seniors year (8.5 credits)								
Geology (0.5 September – January)								
Astronomy (0.5 February – June)								

NOTES:

Graduation Checklist

Student Name: _____ ID # _____

Career Pathway: _____

Educational Plans: ☐ Four Year College/University ☐ Community College ☐ Technical School ☐ Tech Prep

Subject	# of Credits	Check as Completed
English <i>Refer to Page 2 for requirements and options</i>	4.0	<div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> English 9 <i>or</i> Honors English 9 <input type="checkbox"/> English 10 <i>or</i> Honors English 10 <input type="checkbox"/> English 11 <i>or</i> Honors English 11 <i>or</i> AP Language and Composition </div> <div> <input type="checkbox"/> English 12 Options <input type="checkbox"/> AP English: Language and Composition <input type="checkbox"/> AP English: Literature and Composition <input type="checkbox"/> Advanced Journalism <input type="checkbox"/> College English </div> </div>
Math <i>Refer to Page 2 for course requirements</i>	4.0	<div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Algebra I <input type="checkbox"/> Geometry </div> <div> <input type="checkbox"/> Algebra II <input type="checkbox"/> _____ <i>1.0 Senior Math or Math-related credit (See page 2 for options)</i> </div> </div>
Science <i>Refer to Page 3 for requirements and options</i>	3.0	<div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Physical Science Course: _____ <input type="checkbox"/> Life Science Course: _____ <input type="checkbox"/> Earth Science Course: _____ <input type="checkbox"/> Additional Science: _____ </div> <div> <input type="checkbox"/> _____ <i>3rd Science or Science-related credit</i> <i>See page 3 for options</i> </div> </div>
Social Studies	4.0	<div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> World History or AP World History <input type="checkbox"/> U.S. History or AP U.S. History <input type="checkbox"/> Government or AP U.S. Government </div> <div> <input type="checkbox"/> Economics or Personal Financial Literacy <input type="checkbox"/> _____ <i>Social Studies elective (0.5) See pages 83-86</i> </div> </div>
Physical Ed.	.5	<div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> _____ <i>Healthy Lifestyles: Physical Activity or Healthy Lifestyles: Aquatics</i> </div> <div style="text-align: center;">OR</div> <div> <input type="checkbox"/> _____ <i>other approved</i> <i>See page 3 for options</i> </div> </div>
Health	.5	<div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Health: A Wellness Approach </div> <div style="text-align: center;">OR</div> <div> <input type="checkbox"/> _____ </div> </div>
College/Career Readiness	.5	<input type="checkbox"/> College and Career Readiness OR <input type="checkbox"/> met 20-hour online experience
Computer Applications	.5	<input type="checkbox"/> Computer Applications
World Language <i>Refer to page 4 for details</i>	2.0	<div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> _____ <i>Chinese, French, Latin, Spanish</i> <input type="checkbox"/> _____ <i>**</i> <i>** World Language course (or substitute)</i> <i>Refer to page 4 for options</i> </div> </div>
Visual, Performing, Applied Arts	1.0	<input type="checkbox"/> _____ <i>Course/s</i> <i>Refer to page 4 for options</i>

ADDITIONAL REQUIREMENTS

Completion of all components of the MME is required for graduation

- College Board SAT w/Essay
- ACT
- M-STEP Science & Social Studies

M-STEP
Michigan - Student Test of Educational Progress

ELECTIVES (6-10 credits)

1. _____	5. _____	8. _____
2. _____	6. _____	9. _____
3. _____	7. _____	10. _____
4. _____		

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 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 designed 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



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.



College Preparation

Educational Development Plan (EDP)

One component of career planning is the Educational Development Plan (EDP). EDPs 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’s easy to do with Career Cruising, (www.careercruising.com) which can be accessed at anytime from anywhere.

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 postsecondary 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 Guidebook 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 Educator 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 provide students with a brighter long-term future through college access and postsecondary 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 by 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 4-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.org

There is a fee for taking the ACT or SAT exams, and advanced registration is required.

ACT/SAT National Test Dates

• Advanced Registration is Required •

ACT

February 10, 2024
April 13, 2024
June 8, 2024
July 13, 2024

SAT

March 9, 2024
May 4, 2024
June 1, 2024

Anticipated dates for 2024-2025:

September 7, 2024
October 26, 2024
December 7, 2024

February 8, 2025
April 12, 2025
June 7, 2025
July 19, 2025

Anticipated dates for 2024-2025:

August 24, 2024
October 5, 2024
November 9, 2024
December 7, 2024

March 15, 2025
May 10, 2025
June 7, 2025

College Prep – 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 a "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 1 and should be done before March 1. 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 wherein 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 IN CHALLENGING COURSES THAN BY OUTSTANDING GRADES IN EASY ONES.

If you're playing the GPA game and taking a light 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 course work.

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 Latin
- AP Physics I
- AP Precalculus
- AP Psychology
- AP Spanish Language & Culture
- AP Statistics
- AP Studio Art Portfolio
- AP United States History
- AP World History
- AP U.S. Government & Politics
- AP Comparative Government & Politics

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 follow 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 trimester. 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, Academically Talented Youth Program (ATYP) courses, and college-level KAMSC courses have been designated 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	Quality Points	
		Standard	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
- Advanced Computer Science A
- Advanced Physics C- Mechanics
- Advanced Physics C- E & M
- AP Calculus BC
- AP Computer Science
- AP Environmental Science
- Astronomy
- Biochemistry
- Bio-Medical Science
- Cell Biology
- Complex Variables
- Differential Equations
- Discrete Mathematics
- Geology
- Human Genetics
- Materials Science
- Microbiology
- Organic Chemistry

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 70% 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; and 3) 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 freshmen year in high school, it is important that you visit the NCAA website (www.ncaa.org) for detailed information and 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 transcript to make a 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.**

KPS Career Pathways Connections

Career Pathways are broad groupings of careers that share similar characteristics and whose employment requirements call for many common interests, strengths, and competencies. The six Career Pathways covers all career opportunities regardless of educational requirements. National Career Clusters represents a distinct grouping of occupations and industries based on the knowledge and skills they require. The 16 Career Clusters (17 for Michigan [Energy]) were developed by the U.S. Department of Education as a way to organize career planning. KPS secondary students can learn more about career awareness, exploration, and development and postsecondary options by accessing Career Cruising on the KPS Homepage under Links>Students/Family>Career Cruising. Students can login with their student Gmail account. Students can also visit Pure Michigan Talent Connect at www.mtalent.org, Michigan Pathfinder at www.pathfinder.mtalent.org, and the Bureau of Labor Statistics' Occupational Outlook Handbook at www.bls.gov/ooh to find additional career information on hundreds of occupations.

STATE CAREER PATHWAY			NATIONAL CAREER CLUSTERS	RECOMMENDED HIGH SCHOOL COURSES
Arts & Communications		Is This Career Pathway for YOU?	Arts, AV Technology & Communications	English Language Arts Math Creative Writing Journalism Graphic Arts Visual, Performing, and Applied Arts Courses Architectural Drafting and Design Sports and Entertainment Mgmt. Photography Film and Video Arts Dance Fashion Design Public Speaking World Languages (Also see AP, EFA, CTE, and EMC course listings)
Careers in this path are related to the humanities and performing, visual, literary, and media arts. These include architecture; graphic, interior, and fashion design; writing; film; fine arts; journalism; languages; media; advertising; and public relations	Are you a creative thinker? Are you imaginative, innovative, and original? Do you like to communicate ideas? Do you like making crafts, drawing, playing a musical instrument, taking photos, or writing stories? Are you interested in working in television, film, or radio? Do you like to perform or interpret music? Does computer graphics or computer animation interest you? Do you have a talent for writing? Are you visually oriented? Is artistic expression important to you?		Career Categories Advertising and Public Relations Creative Writing Film Production Foreign Languages Journalism Radio and TV Broadcasting Fashion Design Interior Design	
	This may be the career path for YOU!			
	-Michigan Department of Education			
Sample Pathway Choices		SAMPLE CAREERS	Sample College Programs of Study	
AV Technology and Film Print Technology Visual and Performing Arts Journalism and Publishing Broadcasting and Communications Telecommunications Architecture Design and Visual Communications Communications and Public Relations Music and Dance Theatre Arts Library Science Fashion and Design Producers and Directors	<ul style="list-style-type: none">• Actor/Actress• Animator• Architect• Art Director• Audio Designer• Comedian• Commercial Artist• Composer• Dancer• Fashion Designer• Film Producer• Interior Designer• Journalist	<ul style="list-style-type: none">• Makeup Artist• Media Buyer• Movie Director• Musician• Network Designer• Playwright• Production Manager• Public Relations Ex.• Radio Broadcaster• Reporter• Singer• Sports Commentator• Web Designer	Fine Arts and Studio Arts Music Industry Management New Media Printing and Publishing Television and Digital Media Communications Digital Animation and Game Design Digital Media Software Engineering Graphic Design Broadcasting Journalism Animation Film & Video Production Interior Design Video Game Developer	
			Sports Communication Political Communication Communications Technology Publishing Commercial Advertising Art Advertising Public Relations Visual and Performing Arts Architecture Musicology and Ethnomusicology Dance Musical Theatre Playwright and Screenwriting Drama and Dramatics Theatre Arts	
Arts & Communications				

STATE CAREER PATHWAY			NATIONAL CAREER CLUSTERS	RECOMMENDED HIGH SCHOOL COURSES
Business, Management, Marketing & Technology	Is This Career Path for YOU?		Business Management and Administration Finance Hospitality and Tourism Information Technology Marketing Sales & Services Career Categories Accounting Business Ownership Computer/Information Systems Economics Finance Hospitality/Tourism Mgmt. Marketing Office Administration Personnel Sales	Accounting Business Finance Business Information Systems Business Law Computer Applications Computer Science Consumer Education Creative Writing Economics English Language Arts Entrepreneurship International Business Link Crew Leadership Marketing Math Social Studies Sports and Entertainment Mgmt. World Languages (Also see AP, CTE, and EMC course listings)
	<p>Do you enjoy being a leader, organizing people, planning activities, and talking? Do you like to work with numbers or ideas? Do you enjoy carrying through with an idea and seeing the end product? Do you like things neat and orderly? Would you enjoy balancing a checkbook, following the stock market, holding an office in a club, or surfing the Internet? Do you enjoy travel? Do you enjoy dining in restaurants? Do you like to cook? Do you enjoy working with computers? Are you fascinated by technology?</p> <p>This may be YOUR career path!</p> <p>- Michigan Department of Education</p>			
Sample Pathway Choices	SAMPLE CAREERS			Sample College Programs of Study
Banking & Related Services Business Analysis Buying and Merchandising Business Finance and Accounting Mgmt. Cyber Security E-Marketing Financial & Investment Services Human Resources Information Support and Services Insurance Services Interactive Media Management & Entrepreneurship Marketing & Communications Network Systems Professional Sales & Marketing Programming and Software Development Restaurant and Food/Beverage Services Travel & Tourism	<ul style="list-style-type: none"> • Accountant • Administrative Assistant • Auditor • Budget Director • Business Teacher • Chef • Commerce Marketing Manager • Computer Programmer • Convention Manager • Data Analyst • Data Architect • Digital Media Specialist • e Business Consultant • Economist • Financial Manager • Gaming Developer • Hotel Manager • Human Resources Manager 	<ul style="list-style-type: none"> • Information Systems Manager • Investment Banker • Legal Secretary • Loan Officer • Management Analyst • Marketing Specialist • Network Administrator • Network Technician • Payroll Director • Research Analyst • Receptionist • Realtor • Salesperson • Software Engineer • Statistician • Technical Writer • Travel Agent • Web Administrator • Web Developer 	Business Statistics International Marketing Marketing Research Management Science Construction Management Hospitality Administration Computer Software Technology Organizational Communication Agribusiness Global Supply Chain Management Business Information Systems Business Communications Bioinformatics Administrative and Secretarial Services Transportation Mobility Management	Information Technology Accounting Intellectual Property Law Advertising Sales and Marketing Operations Travel, Tourism, and Hospitality Public Relations Financial Services Computer Programming Networking Web Technologies Business Administration Human Resources Management Computer Information Systems Hotel Management Entrepreneurship and Small Business Operations International Business Management Information Systems Real Estate
Business, Management, Marketing & Technology				

STATE CAREER PATHWAY		NATIONAL CAREER CLUSTERS		RECOMMENDED HIGH SCHOOL COURSES
Engineering/Manufacturing & Industrial Technology	<p>Careers in this path are related to technologies necessary to design, develop, install, and maintain physical systems. These include engineering, manufacturing, construction, service, and related technologies.</p>	<p>Is This Career Path for YOU?</p> <p><i>Are you mechanically inclined and practical? Do you like reading diagrams and blueprints, and drawing building structures? Are you curious about how things work? Would you enjoy painting a house, repairing cars, wiring electrical circuits, or wood-working? Would you enjoy working in a laboratory? Are you good at understanding mechanics? Would you like to fly planes, drive trucks, or pilot ships?</i></p> <p><i>This may be the career pathway for you!</i></p> <p>-Michigan Department of Education</p>	<p>Architecture and Construction</p> <p>Manufacturing</p> <p>Science, Technology, Engineering & Mathematics</p> <p>Transportation, Distribution & Logistics</p> <p>Career Categories</p> <p>Architecture Construction Drafting Engineering & Related Technologies Manufacturing Technology Mechanics and Repair Precision Production</p>	<p>Business Finance Business Law Chemistry Computer Programming/Science Creative Writing Drafting Electronics and Robotics English Language Arts Government Health Industrial/Mechanical Drafting International Business Machine Tools Math Physical Sciences/Physics Probability and Statistics Science World Languages (Also see AP, CTE, and EMC course listings)</p>
Sample Career Pathway Choices	<p>Construction</p> <p>Electromechanical Installation & Maintenance</p> <p>Engineering Technology</p> <p>Electronic Technology</p> <p>Facility & Mobile Equipment Maintenance</p> <p>Industrial Technology</p> <p>Logistics Planning and Management Service</p> <p>Maintenance/Operations</p> <p>Maintenance, Installation & Repair</p> <p>Manufacturing Production Process</p> <p>Development</p> <p>Planning, Management, & Regulations</p> <p>Precision Metal Production</p> <p>Precision Technology Processes</p> <p>Production</p> <p>Quality Assurance</p> <p>Risk/Health and Safety Management</p> <p>Science and Math</p> <p>Transportation Operations</p> <p>Transportation Systems/Infrastructure</p>	<p>SAMPLE CAREERS</p> <ul style="list-style-type: none"> • Air Traffic Controller • Aircraft Mechanic • Airline Pilot • Architect • Aerospace Engineer • Astronaut • Automotive Technician • Carpenter • Chemical Engineer • Clothing Manufacturer • Computer Hardware Technician • Computer Scientist • Cost Estimator • Dental Lab Tech • Draftsman • Electrical Engineer • Electrician • Geographer 	<p>Sample College Programs</p> <p>Construction Management</p> <p>HVACR Engineering Technology</p> <p>Mechanical Engineering</p> <p>Manufacturing Engineering</p> <p>Geological/Geophysical Engineering</p> <p>Engineering Physics</p> <p>Mechanical Engineering</p> <p>Chemical Engineering</p> <p>Aerospace, Aeronautical, and Astronautical/Space Engineering</p> <p>Computer Hardware/Software Engineering</p> <p>Industrial Engineering</p> <p>Nuclear and Industrial Management</p> <p>Industrial Electronics Technology</p> <p>Nanotechnology</p> <p>Energy Auditor</p> <p>Heating & Air Conditioning and Refrigeration Technology</p> <p>Robotics Technology</p>	<p>Sample College Programs of Study</p> <p>Electrical/Electronic Engineering Technology</p> <p>Energy Systems Engineering</p> <p>Facility Management</p> <p>CAD/CADD Drafting and/or Design Technology</p> <p>Materials Engineering</p> <p>Telecommunications Technology</p> <p>Industrial Radiology Technology</p> <p>Industrial Mechanics and Maintenance Technology</p> <p>Industrial Safety Technology</p> <p>Apparel & Textile Manufacturing</p> <p>Civil Engineering</p> <p>Environmental Engineering</p> <p>Automotive Engineering</p> <p>Mining Engineering</p> <p>Ophthalmic Laboratory Technology</p> <p>Biomedical Engineering</p>
Engineering/Manufacturing & Industrial Technology				

STATE CAREER PATHWAY		NATIONAL CAREER CLUSTERS		RECOMMENDED HIGH SCHOOL COURSES
Health Sciences	<p>Careers in this path are related to the promotion of health and treatment of disease. These include research, prevention, treatment, and related health technologies.</p>	<p>Is This Career Path for YOU?</p> <p><i>Do you like to care for people or animals that are sick or help them stay well? Are you interested in diseases and in how the body works? Do you enjoy reading about science and medicine? Would it be fun to learn first aid or volunteer at a hospital or veterinary clinic? Would you enjoy teaching people how to live a healthy lifestyle? Do you pay attention to small details?</i></p> <p><i>This may be YOUR career path!</i></p> <p>-Michigan Department of Education</p>	<p>Health Sciences</p> <p>Career Categories</p> <p>Dentistry Hygiene Medicine Nursing Nutrition and Fitness Therapy and Rehabilitation</p>	<p>English Language Arts Math Biology Social Studies Psychology Chemistry Forensics Health Physical Education Geography Creative Writing Economics Physics Business Law Human Anatomy & Physiology World Languages Family & Consumer Sciences Food and Nutrition (Also see AP, CTE, and EMC course listings)</p>
Sample Career Pathway Choices	<p>Therapeutic Services Health Informatics Diagnostic Services Supportive Services Information & Communications Services Technology Health Sciences Pharmaceutical Services Medical and Health Services Environmental Health Occupational Health Health Education Home Health Care Nutrition and Wellness Veterinarian Science Zoologists and Wildlife Research and Development Biomedical Engineering Rehabilitation Services Medical Records Technology Psychological Sciences Internal Medicine Dental Sciences</p>	<p>SAMPLE CAREERS</p> <ul style="list-style-type: none"> • Dentist • Dental Hygienist • Doctor • Veterinary Technician • Respiratory Therapist • Physical Therapist • Pharmacist • Coroner • Massage Therapist • Mental Health Nurse • Cosmetologist/Barber • Cardiologist • Anesthesiologist • Dermatologist • Health Care Administrator • Dietitian • Medical Lab Tech • Pediatrician • Rehabilitation Counselor • Occupational Therapist • Epidemiologist • Surgeon • Audiologist • Optometrist • Chiropractor • Sonographer • Medical Records Administrator • Biostatistician • Industrial Hygienist • EMT/Paramedic • Health Educator • Bioinformatics Scientist • Biomedical Engineering Technician • Neurologist • Medical Secretary • Obstetrician-Gynecologist • Orthodontist • Plastic Surgeon • Psychologist • Radiologist • Psychiatrist • Athletic Trainer 	<p>Sample College Programs</p> <p>Dental Hygienist Occupational Therapist Respiratory Therapy Nursing Cardiac Technician Physical Therapist Chemical Technology Radiography Clinical Laboratory Technology Cosmetology/Barbering Biotechnology Health Information Management Health Care Systems Pharmacy Nuclear Medicine Technology Epidemiology Medical Assistant Animal Health Health and Wellness Holistic Health Health Teacher Education Pathology</p>	<p>Sample College Programs of Study</p> <p>Maternal and Child Health Environmental Health Engineering Medical Examiner Medicine and Pre-Medicine Cardiovascular Science Biochemistry Dental Clinical Sciences Audiology Health Service Administration Clinical Research Registered Nursing Applied Behavior Analysis Psychiatric/Mental Health Nurse Nutrition Sciences Food, Nutrition, and Wellness Dietitian Technician Family and Consumer Sciences Occupational/Physical Therapist Veterinarian Medicine Zoology/Animal Biology Microbiology and Immunology</p>
Health Sciences				

STATE CAREER PATHWAY			NATIONAL CAREER CLUSTERS	RECOMMENDED HIGH SCHOOL COURSES
Human Services Careers in this path are related to economic, political, and social systems. These include education, government, law and law enforcement, leisure and recreation, military, religion, child care, social services, and personal services.	Is This Career Path for YOU? <i>Are you friendly, open, understanding, and cooperative? Do you like to work with people to solve problems? Is it important to you to do something that makes things better for other people? Do you like to help friends with family problems? Do you like reading, storytelling, traveling, or tutoring young children? Do you respect the law and the rule of law? Do you think it would be exciting to work in a courtroom? Do you value public service? Are you interested in government and politics? Are you good at debating and winning arguments?</i> <i>This may be the career path for YOU!</i> -Michigan Department of Education		Human Services Law, Public Safety and Security Government & Public Services Career Categories Child and Family Services Cosmetologist Education Food and Beverage Service Human Services Law and Legal Studies Law Enforcement Social Services	Anthropology Business Law Debate English Language Arts Family and Consumer Science Economics Forensic Science Geography Government Health International Business Law Math Psychology Science Social Studies/History Sociology Statistics World Languages (Also see AP, CTE, and EMC course listings)
	Sample Career Pathway Emergency and Fire Management Law Enforcement Services Legal Services Security and Protective Services Personal Care Services Family and Community Services Counseling and Mental Health Teaching/Training Early Childhood Development & Services Consumer Services Criminal Justice and Corrections Revenue and Taxation National Security Foreign Service Governance and Regulation Military/Armed Services Human and Social Services Human Development Education Facilities Management Family Studies	SAMPLE CAREERS <ul style="list-style-type: none"> • Anthropologist • Bailiff • Career Coach • Chef • Teacher • Corrections Officer • Federal Agent • Firefighter • Homecare Aide • Human Resources • Judge • Lawyer • Detective • Paralegal • Police Officer • Politician • Private Investigator • Psychiatrist • School Administrator • Translator • Esthetician • Fitness Trainer • Caseworker • Community Worker • Consultant • Cosmetologist • Social/Case Worker • Counselor • Criminologist • Barber/Cosmetologist • Foreign Service Officer • Historian • Intelligence Agent • Internal Revenue • Service Agent • Librarian • Psychologist • Principal • Probation Officer • School Superintendent • Soldier or Sailor • Sports Psychology 	Sample College Programs of Study Culinary Arts/Chef Training Early Childhood Education Special Education Elementary Education Secondary Education Educational Leadership Social Services: Mental Health Gerontology Sociology Public Relations Political Science and Government Family and Consumer Sciences Criminal Justice/Law Enforcement Administration Fire Protection and Safety Human Services Non-Profit/Public Organizational Management Community Organization and Advocacy Industrial Organization Psychology	Sample College Programs of Study Marriage and Family Therapy Career and Technical Education Facilities Planning and Management Parks, Recreation, and Leisure Facilities Management Corrections Administration Artificial Intelligence Law and Pre-Law Studies Public Administration Sign Language Interpretation and Translation Intellectual Property Law Criminology Juvenile Corrections Aesthetics/Esthetician Cultural Studies/Critical Theories Family and Community Services Corrections Administration Kinesiology and Exercise Science Health and Physical Education Behavioral Sciences
				Human Services

STATE CAREER PATHWAY		NATIONAL CAREER CLUSTERS	RECOMMENDED HIGH SCHOOL COURSES
Natural Resources & Agriscience		Is This Career Path for YOU?	
Careers in this path are related to agriculture, the environment, and natural resources. These include agricultural sciences, earth sciences, environmental sciences, fisheries, forestry, horticulture, and wildlife.	Are you a nature lover? Are you practical, curious about the physical world, and interested in plants and animals? Do you enjoy hunting or fishing? Do you like to garden or mow the lawn? Are you interested in protecting the environment? Are you interested in geology and mining?		Anthropology Astronomy Biology Botany Chemistry Computer Science Earth Science Economics English Language Arts Environmental Science Geography Geology International Business Math Physics Science Social Studies World Languages (Also see AP, CTE, and EMC course listings)
	This could be YOUR career path! -Michigan Department of Education		
Sample Career Pathway Choices		SAMPLE CAREERS	Sample College Programs of Study
Natural Resource Systems Environmental Services Plant Systems Animal Systems Agribusiness Systems Power, Structural & Technical Systems Horticulture, Landscaping, and Groundskeeping Mining and Operations Agriculture Sciences, Processes and Support Services Forestry Services Wildlife Systems Horticulture Systems Astronomy Geosciences Civil Engineering Anthropological Sciences Fisheries Sciences Conservation Sciences Mining Technologies	<ul style="list-style-type: none">FarmerOceanographerPhysicistLandscaperMarine BiologistConservation AgentChemistForesterBiologistGeographerAtmospheric ScientistArcheologistAgricultural EducatorAgicultural TechnicianAgricultural EngineerAstronomerArboristClimatologistMeteorologistFood InspectorMining EngineerAquaculturistAnimal BreederLoggerFish & Game WardenGroundskeeperGreenhouse ManagerFarm ManagerAnimal TrainerGeologistEngineering GeologistBiochemistEcologistWildlife TechnicianHydrologistAgronomistPaleontologistSeismologistsOceanographerGeochemistGeophysicists	Animal/Livestock Husbandry and Production Animal Sciences Crop Production Forest Resources Production and Management Fishing and Fisheries Sciences and Management Chemistry Biology Biochemistry Geology Natural Resources Management Policy Natural Resources Law Enforcement and Protection Services Ecology Environmental Biology Conservation Biology Plant Sciences	Environmental Engineering Technology Botany/Plant Biology Water Quality and Wastewater Treatment Management Atmospheric Physics and Dynamics Atmospheric Sciences Meteorology Applied Mathematics Soil Chemistry and Physics Agricultural Engineering Food Science Food Technology and Processing Agricultural Economics Geoscience Anthropology Archeology Civil Engineering Agroecology and Sustainable Agriculture Mining and Mineral Engineering
Natural Resources & Agriscience			

Alphabetical Listing of Courses

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

Course	Department	Credit	Page
3D Computer Animation and Game Design	EFA	1.5	43
Abstracted Sculpture	Art	0.5	30
Accounting	CTE: Business Ed.	1.0	33
Advanced Accounting	CTE: Business Ed.	0.5	33
Advanced Art and Design Career Skills	CTE	0.5-1.5	48
Advanced Art for Portfolio Preparation	Art	0.5	30
Advanced Business Information Systems	CTE: Business Ed.	0.5	34
Advanced Creative Writing – Online	EFA	0.5	43
Advanced Drama	English	1.5	62
Advanced Health	Health	0.5	68
Advanced Journalism	English	1.0	61
Advanced Marketing	CTE: Business Ed.	0.5	35
Advanced Mixed Chorus	Music	1.0	75
Advanced Musical Theatre Workshop	EFA	3.0	45
Advanced Placement (AP) African American Studies	Social Studies	1.5	86
Advanced Placement (AP) Art History	Art	1.5	32
Advanced Placement (AP) Biology	Science	1.5	82
Advanced Placement (AP) Calculus AB	Mathematics	1.5	73
Advanced Placement (AP) Chemistry	Science	1.5	82
Advanced Placement (AP) Comparative Government & Politics	Social Studies	1.5	86
Advanced Placement (AP) English: Language & Comp.	English	1.5	60
Advanced Placement (AP) English: Literature & Comp.	English	1.5	60
Advanced Placement (AP) European History	Social Studies	1.5	86
Advanced Placement (AP) French Language & Culture	World Languages	1.5	92
Advanced Placement (AP) Latin	World Languages	1.5	92
Advanced Placement (AP) Physics I	Science	1.5	82
Advanced Placement (AP) Precalculus	Math	1.5	73
Advanced Placement (AP) Psychology	Social Studies	1.5	86
Advanced Placement (AP) Spanish Language & Culture	World Languages	1.5	92
Advanced Placement (AP) Statistics	Mathematics	1.5	73
Advanced Placement (AP) Studio Art Portfolio	Art	1.5	32
Advanced Placement (AP) U.S. Government & Politics	Social Studies	1.5	86
Advanced Placement (AP) United States History	Social Studies	1.5	86
Advanced Placement (AP) World History	Social Studies	1.5	86
African & African American Studies A	Social Studies	0.5	84
African & African American Studies B	Social Studies	0.5	84
African-American Literature	English	0.5	85
African World Studies	Social Studies	0.5	61
Agriscience: Plants and Animals	CTE (Off-site)	1.0	51
Algebra I	Mathematics	1.0 – 1.5	70
Algebra II	Mathematics	1.0 – 2.0	71
American Military History: 1776 to Present	Social Studies	0.5	85
American Popular Music	Music	0.5	76
Anthropology	Social Studies	0.5	85
AP Computer Science Principles	CTE (Off-site)	1.5	51
Aquatics	Physical Education	0.5	77
Art and Design Career Skills	CTE	1.5	48
Astronomy	Science	0.5	79
Athletic Weightlifting and Training	Physical Education	0.5	77
Automotive Technology	CTE	1.5	48
Aviation Technology I	CTE (Off-site)	3.0	51
Aviation Technology II	CTE (Off-site)	3.0	51
Banking and Finance	CTE (Off-site)	3.0	52
Basic Design	Art	0.5	30
Basic Marketing	CTE: Business Ed	1.0	35

Alphabetical Listing of Courses

Course	Department	Credit	Page
Beginning Dance Studio	EFA	0.5	44
Bilingual Academic Instructional Center	ESL - Academics	0.5	64
Biology	Science	1.0	79
Business Academy	Business Education	1.0	33
Business Career and Professional Development Capstone Exp.	Business Education	0.5	34
Business Finance	CTE: Business Ed.	0.5	34
Business Information Systems	CTE: Business Ed.	0.5	34
Business Law	CTE: Business Ed.	0.5	34
Cartoon/Comic Drawing	Art	0.5	30
Ceramics as Sculpture	Art	0.5	30
Certified Nurse Assistant (CNA)	CTE (Off-site)	2.0	52
Chemistry Foundations	Science	1.0	79
Chinese I	World Languages	1.5	89
Chinese II	World Languages	1.5	89
Chinese III	World Languages	1.5	89
College English	English	1.0	29
College and Career Readiness	Academic Instruction	0.5	60
Comics, Manga, and Graphic Novel Arts	EFA	1.0	43
Communication Enrichment Skills	ESL	1.0	63
Computer Applications	Business Education	0.5	36
Computer Science/Software Engineering	CTE	3.0	52
Computerized Manufacturing	CTE (Off-site)	3.0	52
Concert Band	Music	0.5	74
Conditioning (I-IV)	Physical Education	0.5	78
Conservation Biology	CTE (Off-site)	3.0	52
Construction Trades	CTE	3.0	49
Consumer Education	Family/Consumer Ed.	0.5	67
Cooperative Education	CTE	0.5-1.5	56
Cosmetology or Barbering	CTE (Off-site)	3.0	52
Creative Writing	English	0.5	61
Creative Writing Online	EFA	0.5	43
Culinary Arts	CTE (Off-site)	3.0	53
Current Events (Today's Events, Tomorrow's History)	Social Studies	0.5	85
Debate	English	0.5	61
Dental Assisting	CTE (Off-site)	3.0	53
Digital Photo Art	EFA	0.5	43
Digital Studio Art	EFA	0.5	43
Discrete Mathematics	Mathematics	0.5	72
Drama I	English	0.5	62
Drama II	English	0.5	62
Drawing Studio	Art	0.5	30
Earth Science	Science	0.5-1.0	80
Eco Art	Art	0.5	30
Economics	Social Studies	0.5	84
ELD Literacy A	English Language Dev.	0.5	65
ELD Literacy B	English Language Dev.	0.5	65
ELD Literacy C	English Language Dev.	0.5	65
ELD Numeracy A	English Language Dev.	0.5	65
ELD Numeracy B	English Language Dev.	0.5	65
ELD Numeracy C	English Language Dev.	0.5	65
ELD Science A	English Language Dev.	0.5	66
ELD Science B	English Language Dev.	0.5	66
ELD Social Studies – United States History A	English Language Dev.	0.5	66
ELD Social Studies – United States History B	English Language Dev.	0.5	66
ELD Social Studies – World History A	English Language Dev.	0.5	66
ELD Social Studies – World History B	English Language Dev.	0.5	66
Electrical Technology	CTE (Off-site)	3.0	53
Electronics and Robotics I	CTE	1.5	49
Electronics and Robotics II	CTE	0.5	49

Alphabetical Listing of Courses

Course	Department	Credit	Page
Emergency Medical Technician Program (EMT)	CTE (Off-site)	3.0	53
Engineering in Wood Technology	CTE (Off-site)	3.0	54
English 9	English	1.0	58
English 10	English	1.0	59
English 11	English	1.0	60
English 12	English	1.0	57
English as a Second Language (ESL) – Introductory	ESL	1.5	63
English as a Second Language (ESL) - Intermediate	ESL	1.5	64
English as a Second Language (ESL) – Advanced	ESL	1.5	63
Environmental Science	Science	1.0	80
Essential Living Skills	Family/Consumer Ed.	1.0	67
Family, Career and Community Leaders of America (FCCLA)	Family/Consumer Ed.	1.0	67
Figure Drawing	Art	0.5	31
Film and Video Arts	EFA	0.5 – 1.5	44
Food and Nutrition	Family/Consumer Ed.	0.5	67
Forensic Science	Science	0.5-1.0	80
Forensics	English	0.5	62
French I	World Languages	1.0	90
French II	World Languages	1.0	90
French III	World Languages	1.0	90
Functional Ceramics	Art	0.5	31
Future Michigan Educator Course 3	Leadership	0.5`	68
Geology	Science	0.5	81
Geometry	Mathematics	1.0	70
Government and Politics: United States	Social Studies	1.0	84
Graphic Design	Art	0.5	31
Hawthorne Singers (KC)	Music	1.5	75
Health: A Wellness Approach	Health	0.5	54
Health Science	CTE (Off-site)	3.0	68
Healthy Lifestyles Through Aquatics	Physical Education	0.5	77
Healthy Lifestyles Through Physical Activity	Physical Education	0.5	77
Heating, Ventilation, Air Conditioning and Refrigeration	CTE (Off-site)	3.0	54
Hip Hop 180	EFA	1.0	45
Honors Chemistry: Analytical	Science	0.5	80
Honors Chemistry: Organic	Science	0.5	70
Honors English 9	English	1.0	57
Honors English 10	English	1.0	58
Honors English 11	English	1.0	59
Horticulture	CTE (Off-site)	1.0	54
Human Anatomy and Physiology	Science	1.0	81
Information Technology I	CTE	1.5	50
Information Technology II	CTE	1.5	50
Intermediate Dance Studio	EFA	1.5	44
International Business	CTE: Business Ed.	0.5	34
Introduction to Automotive Technology	CTE: (On-site)	0.5	48
Introduction to Information Technology (I.T.)	CTE (On-site)	0.5–1.5	50
Jewelry Design	Art	0.5	31
Journalism	English	0.5	61
KVCC Media Arts	EFA	3.0	44
Latin I	World Languages	1.0	90
Latin II	World Languages	1.0	91
Latin III	World Languages	1.0	91
Law I	Social Studies	0.5	54
Law II	Social Studies	0.5	54
Law Enforcement I	CTE (Off-site)	3.0	85
Law Enforcement II	CTE (Off-site)	3.0	85
Link Crew Leadership	Leadership	0.5	68

Alphabetical Listing of Courses

Course	Department	Credit	Page
Literacy Across the Content Areas	English	1.0	58
Literacy Essentials in the Secondary Classroom	English	0.5-1.5	58
Literature Through Films	English	0.5	61
Marching Band	Music	0.5	74
Marketing, Entrepreneurship and Career Planning	CTE: Business Ed.	0.5	35
Master Singers (LN)	Music	1.5	75
Math Analysis	Mathematics	0.5	72
Mathematical Modeling	Mathematics	0.5	72
Mechatronics	CTE (Off-site)	1.5	55
Mixed Chorus	Music	1.0	75
Mixed Media	Art	0.5	31
Non CTE Work-Based Learning	CTE	0.5-1.0	56
Novels of Choice	English	0.5	61
Object Drawing	Art	0.5	31
Orchestra	Music	1.5	74
Painting	Art	0.5	31
Parenting	Family/Consumer Ed.	0.5 - 1.0	68
Personal Financial Literacy	Mathematics	0.5	72
Photography I – Digital Imaging	Art	0.5	31
Photography II – Digital Imaging	Art	0.5-1.5	32
Physics	Science	1.0	81
Precalculus	Mathematics	1.0	73
Product Design	Art	0.5	32
Professional Health Science	CTE (Off-site)	3.0	55
Psychology	Social Studies	0.5	85
Public Speaking	English	0.5	62
Recreational Sports	Physical Education	0.5	78
Recreational Team Sports	Physical Education	0.5	78
Representational Sculpture	Art	0.5	32
School Store: Maroon Shop (Kalamazoo Central)	CTE: Business Ed.	0.5-1.5	35
Slam Poetry: Writing and Performance	English	0.5	62
Sociology	Social Studies	0.5	85
Spanish I	World Languages	1.0	91
Spanish II	World Languages	1.0	91
Spanish III	World Languages	1.0	92
Sports and Entertainment Management	CTE: Business Ed.	0.5	35
Statistics and Probability	Mathematics	0.5	73
Strategic Mathematics	Mathematics	0.5-1.5	69
Strategic Reading – Beginning Readers	English	1.5	58
Symphonic Band	Music	1.0	74
Teacher Academy	CTE	3.0	55
The Turbulent Years: History of the 1980s to 2008	Social Studies	0.5	85
Theatre Improv and Scriptwriting	EFA	3.0	45
Treble Chorus	Music	0.5	76
United States History	Social Studies	1.0	83
Veterinary Science	CTE (Off-site)	3.0	55
Visual Arts Exploration	EFA	3.0	42
Watercolor	Art	0.5	32
Welding Trades	CTE (Off-site)	3.0	55
Women's Honors Chorale	Music	0.5	76
Women's Studies	Social Studies	0.5	85
World History	Social Studies	1.0	83
Yarn: Weave, Knit, and Sew	Art	0.5	32
Yearbook	English	1.5	61
Young Entrepreneurs of the Future	Business Education	0.5	35

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. 11)
- [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. 98)
- [R]** **Required** course/credit for graduation
- [SBG]** **Standards-Based Grading** is applied (pg. 95)
- [W]** **Weighted** Grade Values (pg. 17)

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

Academic Instruction

[R] College and Career Readiness

[SBG] Applied

1 Trimester • 0.5 Credit

Course #: 0110-1

Prerequisite: None

This course offers students a series of experiences designed to prepare them for post-secondary education, as well as additional preparation for the Michigan Merit Exam (MME). Among the menu of experiences available from this technologically driven course, students will individualize their preparation for college work and utilization of The Kalamazoo Promise. Course experiences include: an individual education plan from Career Cruising, Career Forward online course offered through Michigan Virtual University (MVU), the college search, selection and admission process, college application essays, and SAT online preparation for the MME, which includes sample questions from the SAT test. Studies include content and etymological clues, analogues, general vocabulary, reading comprehension, inferences, test-taking skills, and practice tests. In addition, students will complete a research assignment culminating in an oral presentation. Successful completion of this course will result in the student earning credit and fulfillment of the state-mandated online experience.

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

WAIVER: Students are required by the Michigan legislature to complete an online course or to have 20 hours of online experience. Students requesting to be excused from the College and Career Readiness course must complete the High School Online Course or Learning Experience form (see pages 97 and 98). The student must indicate how the Michigan required 20-hour online experience will be completed (examples include courses through Michigan Virtual University which can be completed from anywhere there is a computer and internet connection – see page 92). Students must receive advanced approval from the Dean of Students. The completion of the course work will be verified by the Dean of Students. Credit may or may not be given for completing the 20-hour state requirement independently (depending on the rigor of the online course), but the online experience will be placed on the student's transcript.

Art

Abstracted Sculpture		0.5
Advanced Art for Portfolio Preparation		0.5
AP Art History	CTE	1.5
AP Studio Art Portfolio	CTE	1.5
Art and Design Career Skills *		0.5
Adv. Art and Design Career Skills *		0.5
Basic Design		0.5
Cartoon/Comic Drawing		0.5
Ceramics as Sculpture		0.5
Drawing Studio		0.5
Eco Art		0.5
Figure Drawing		0.5
Functional Ceramics		0.5
Graphic Design		0.5
Jewelry Design (Beginning)		0.5
Jewelry Design (Advanced)		0.5
Mixed Media		0.5
Object Drawing		0.5
Painting		1.5
Photography I: Digital Imaging		0.5
Photography II: Digital Imaging	EFA	0.5
Product Design	EFA	0.5
Representational Sculpture		0.5
Studio Art Weekends		1.0
Visual Arts Exploration		0.5
Watercolor		0.5
Yarn: Weave, Knit, and Sew		

Abstracted Sculpture

1 Trimester • 0.5 Credit

Course #: 1030-1

Prerequisite: Basic Design

This course introduces students to conceptual design. Emphasis will be placed on creating artworks that explore the elements and principles of design.

Advanced Art for Portfolio Preparation

1 Trimester • 0.5 Credit

Course #: 1031-1

Prerequisite: Review of Portfolio

This art course is designed for students who would like to take a serious-minded approach to further develop their portfolio in preparation for an advanced placement (AP) art course.

Basic Design

1 Trimester • 0.5 Credit

Course #: 1000-1

Prerequisite: None

Students will study the elements of art and principles of design by exploring a variety of 2-D and 3-D media and techniques. Emphasis is on color theory, composition, self-expression, art appreciation, and sketch book development.

Cartoon/Comic Drawing

1 Trimester • 0.5 Credit

Course #: 1033-1

Prerequisite: Basic Design

Site: Loy Norrix High School

Students will be introduced to drawing of characters, development of stories, illustration, and writing for the cartoon/graphic novel genre. Emphasis will be placed on the elements and principles of design and how these relate to print media. Artworks will be featured in the LNHS Knightlife newspaper and various other publications.

Ceramics as Sculpture

1 Trimester • 0.5 Credit

Course #: 1035-1

Prerequisite: Basic Design

Students will explore the rich traditions of ceramics in its sculptural form. A variety of hand-building techniques, as well as the potter's wheel, will be used to make both representational and abstract sculpture that incorporate the principles and elements of design.

Drawing Studio

1 Trimester • 0.5 Credit

Course #: 1037-1

Prerequisite: Basic Design

This course focuses on the drawing experience as a vehicle for art-making, as a process, and to convey ideas. Different types of image-making processes are studied, along with their potentials for meaning. Students learn to invent from observation and imagination, and to assemble disparate information in various types of space.

Eco Art

1 Trimester • 0.5 Credit

Course #: 1032-1

Prerequisite: Basic Design

This course is designed to give students the opportunity to make art that utilizes nature as its primary subject, while also emphasizing the relationship between nature, art, and science. Students will produce 2-D and 3-D art that uses natural materials, is done outdoors, and/or has an ecological message. Additionally, students will study the historical and cultural connections eco-art has in the United States and across the globe. Opportunities for interdisciplinary study with science may include subjects such as Earth Science, architecture, literature, botany, anatomy, and biology.

Art

All courses in the Art Department count toward the Visual, Performing and Applied Arts requirement for

Figure Drawing

1 Trimester • 0.5 Credit

Course #: 1054-1

Prerequisite: Basic Design

This course is designed for students highly interested in drawing and studying the human form. The fundamentals of portraiture, figure drawing, and artistic styles will be explored. Students will create and maintain a portfolio.

Functional Ceramics

1 Trimester • 0.5 Credit

Course #: 1051-1

Prerequisite: Basic Design

This course concentrates on ceramic objects used in daily life – dinnerware, decorative, and ceremonial objects. Both hand-building techniques and wheel throwing will be used. A variety of glazing and decorative processes are presented.

Graphic Design

1 Trimester • 0.5 Credit

Course #: 1043-1

Prerequisite: None

Site: Loy Norrix High School

Students will explore computer-generated art as applied to the elements and principles of design. Students will be exposed to Adobe Photoshop and apply the techniques to works that use the fourth dimension.

Jewelry Design (Beginning)

1 Trimester • 0.5 Credit

Course #: 1046-1

Prerequisite: Basic Design

Students will design and create original pieces of jewelry. Basic designing skills will be taught from a historic, contemporary, and multicultural point of view. Students will be introduced to a variety of jewelry making materials, tools, and techniques. Emphasis will be placed on the basic skills of design and craftsmanship as well as advanced techniques and creative expression.

Jewelry Design (Advanced)

1 Trimester • 0.5 Credit

Course #: 1056-1

Prerequisite: Jewelry Design (Beginning)

Students will explore advanced jewelry techniques to include, but not limited to, metal fabrication, PMC silver clay, torch work, and beading.

Mixed Media

1 Trimester • 0.5 Credit

Course #: 1057-1

Prerequisite: Basic Design

This introductory course includes topics such as fibers, printmaking, collage, and the use of a variety of media including found objects to create unique, provocative solutions to design problems. Emphasis is on exploration and discovering new ways of creating, seeing, and transforming.

Object Drawing

1 Trimester • 0.5 Credit

Course #: 1052-1

Prerequisite: Basic Design

This course focuses on drawing as a vehicle for thinking, seeing, and communicating. Work includes drawing from direct observation. Students will learn to analyze drawings and improve compositional skills, drawing techniques, and methods. The properties of line, value, texture, shape, and space are dealt with as elemental to the drawing process. An ability to render and draw expressively, in a variety of materials, is stressed.

Painting

1 Trimester • 0.5 Credit

Course #: 1058-1

Prerequisite: Basic Design

Students will be introduced to a variety of traditional and unique painting techniques, surfaces, and technologies. The elements and principles of design, color theory, and problem-solving skills will be emphasized.

Photography: Digital Imaging I

1 Trimester • .5 Credit

Course #: 1062-2

Prerequisite: Basic Design

Site: Kalamazoo Central High School

Note: May be taken for 1, 2, or 3 trimesters

Students will acquire skills in both the visual and technical aspects of digital imaging. The visual skills include idea development, composition, lighting, and communication. The technical skills include practical and theoretical knowledge of electronic devices, digital-based imaging equipment and software (Adobe Photoshop and Adobe Lightroom). This class covers different kinds of photography including photojournalism, studio and commercial photography, landscapes, night photography, photo restoration, and photography as art. Students may take this course over multiple school years.

Art

Photography: Digital Imaging II

1 Trimester • 0.5 Credit (per trimester)

Course #: 1063-456

Prerequisites: Photography I

Site: Kalamazoo Central High School

Note: May be taken for 1, 2, or 3 trimesters

This course expands the teaching of 35mm black and white photography and darkroom techniques. Advanced black and white darkroom procedures, matting and display of photographs, alternative processes, toning prints, hand coloring photographs, and digital imagery are topics covered in the course assignments and curriculum. Critical discussion about concept and process are a regular part of each assignment and essential components of the art, craft, and professionalism in the career training and development of students. Careers, post-secondary training, and the history of photography are a part of this class as well. Project-based learning follows a natural progression throughout the year.

Product Design

1 Trimester • 0.5 Credit

Course #: 1064-1

Prerequisite: Basic Design

Site: Loy Norrix High School

This course is an in-depth study of how to draw three-dimensional forms and the technical drawing of products. There will be a focus on drawing from observation. Students will be introduced to the fundamentals of product design.

Representational Sculpture

1 Trimester • 0.5 Credit

Course #: 1059-1

Prerequisite: Basic Design

This course introduces students to creating three-dimensional artworks based on observation. Areas that are emphasized, but not limited to, are sub-active and assemblage.

Watercolor

1 Trimester • 0.5 Credit

Course #: 1061-1

Prerequisite: Basic Design

Students will be introduced to a variety of materials, tools, and techniques used in water-based media. The elements and principles of design, color theory, as well as problem-solving skills will be emphasized.

Yarn: Weave, Knit, and Sew

1 Trimester • 0.5 Credit

Course #: 1041-1

Prerequisite: Basic Design

Site: Loy Norrix High School

Students are introduced to the manipulation of yarn (fiber), both off and on the loom. The elements and principles of design will be emphasized. There will be extensive use of color theory. Artworks will be produced that are both decorative and wearable.

ADVANCED PLACEMENT (AP) 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 trimester. 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 17)

[C] = College Credit Available - *Students can earn college credit by taking AP courses and passing the AP Exam.*

[AP] [W] [C] AP Art History

3 Trimesters • 1.5 Credits

Course #: 1091-789

Prerequisite: None

Site: Loy Norrix High School

This course emphasizes understanding works of art within their historical context by examining issues such as politics, religion, patronage, gender, function, and ethnicity. Content covers ancient through present day art and beyond European artistic traditions.

[AP] [W] [C] AP Studio Art Portfolio

3 Trimesters • 1.5 Credits

Course #: 1092-789

Prerequisite: Review of Portfolio

This course is intended for highly motivated students who are seriously interested in the study of art at the post-secondary level. Students will be expected to work in/out of the classroom on the production of a drawing, and two- or three-dimensional portfolio which is presented in the spring to the College Board Review Committee for evaluation. Portfolios are evaluated on quality of work, concentration of study, and the breadth of work.

Business Education

Courses are listed in alphabetical order

Accounting	CTE	1.0
(Advanced Accounting)	CTE	0.5
Business Academy		1.0
Business Career and Professional Development Capstone Experience		0.5
Business Finance	CTE	0.5
Business Information Systems	CTE	1.0
(Advanced) Business Info Systems	CTE	0.5
Business Law	CTE	0.5
International Business	CTE	0.5
(Basic) Marketing	CTE	1.0
(Advanced Marketing)	CTE	0.5
Marketing, Entrepreneurship, and Career Planning	CTE	0.5
School Store: Maroon Shop	CTE	0.5
Sports & Entertainment Management	CTE	0.5
Young Entrepreneurs of the Future		0.5

CTE courses prepare students for a business co-op position, which is a job placement in the community where students can earn money and school credit at the same time while learning valuable employability skills.

Students graduating prior to 2025 may substitute any CTE Business Education course for the second World Language credit required for graduation.

ACCOUNTING

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 Trimester • 0.5 Credit

Course #: 1550-2

Prerequisite: Computer Applications or SCT

Grades: 10, 11, 12

Students will learn accounting procedures for a service business organized for single-owner businesses and partnerships. 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.

AND

Accounting B

[MAC] 4th Related Math

1 Trimester • 0.5 Credit

Course #: 1550-3

Prerequisite: Accounting A

Grades: 10, 11, 12

This course is a continuation of Accounting A.

Business, Management, Marketing and Technology Course Pathways

Complete any one course below:

*International Business
*Business Finance
*Sports & Entertainment Management

*Business Academy

Business Career and Professional Development Capstone

Complete any one course below:

*International Business
*Business Finance
*Sports & Entertainment Management

Business Career and Professional Development Capstone

*Marketing A

*Marketing B

*Maroon Shop

*Accounting A

*Accounting B

*Advanced Accounting

Students can elect all business courses in the bulletin. *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 fourth-related math credit, the World Language credit, or both. Please see your counselor or talk with a business teacher for additional information about course offerings, Microsoft Office certifications, and the many viable and emerging career and work-based learning opportunities in this pathway!**

Advanced Accounting

1 Trimester • 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 procedures for a merchandising business that is structured as a corporation. In addition, students will continue to explore accounting as a possible career choice.

BUSINESS

Business Academy

1 Trimester (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 entertainment 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 Education

Business Career and Professional Development Capstone Experience

1 Trimester • 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 Trimester • 0.5 Credit

Course #: 1554-1

Prerequisite: None

Grades: 10, 11, 12

Students will learn how to handle their personal finances to prepare them for managing a business. Topics will include investing, banking, budgeting, asset protection and management, cost of installment buying, and responsible use of credit. Students will develop the skills to plan, manage, and monitor financial transactions for individual and business applications.

Business Information Systems A (BIS-A)

1 Trimester • 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 Trimester • 0.5 Credit

Course #: 1552-3

Prerequisite: BIS-A

Grades: 10, 11, 12

This course is a continuation of BIS-A.

(Advanced) Business Information Systems

1 Trimester • 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 Trimester • 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 Trimester • 0.5 Credit

Course #: 1558-1

Prerequisite: None

Grades: 10, 11, 12

Students will learn the cultural, geographic, political, and legal ramifications affecting business markets and world trade; and the international aspects of finance, management, marketing, communication, and technology. These concepts are demonstrated by students through various simulations and office applications.

Business Education

MARKETING

Basic Marketing A

1 Trimester • 0.5 Credit

Course #: 1560-2

Prerequisite: None

Grades: 10, 11, 12

Students will explore the world of marketing, economics, business essentials, and career development.

AND

Basic Marketing B

[MAC] 4th Related Math

[MAC] Visual, Performing & Applied Arts

1 Trimester • 0.5 Credit

Course #: 1560-3

Prerequisite: Basic Marketing A

Grades: 10, 11, 12

Students will focus on customer relations and the dynamics of selling. Students will also become familiar with the distribution process and its importance to marketing in the 21st Century.

(Advanced) Marketing

1 Trimester • 0.5 Credit

Course #: 1561-1

Prerequisite: Basic Marketing B

Grades: 10, 11, 12

Students will study the marketing functions of promotion, marketing information management, product/service management, and financing. The class will be project driven with an emphasis on the entrepreneurial spirit.

Marketing, Entrepreneurship, and Career Planning

1 Trimester • 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.

School Store: Maroon Shop

1 Trimester • 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, 2, or 3 trimesters

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 Trimester • 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 how advancements in technology, leadership, finance, product management, people management, information management, legal and ethical issues, customer relations, sales management, managing change, and career development influence daily operations and business interactions in our global world.

Young Entrepreneurs of the Future

1 Trimester • 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 transferrable skills sought by employers.

Computer Applications

One-half (0.5) credit of computer technology is required for graduation. KPS students who passed the Computer Applications course in 8th grade will have met this requirement. Students who did not pass or who enter KPS as a high school student will be required to take Computer Applications to fulfill this requirement for graduation.

[R] Computer Applications

[SBG] Applied

1 Trimester • 0.5 Credit

Course #: 1510-1

Prerequisite: None

This course reinforces technology concepts, word processing, presentation, spreadsheet, and database applications. Students will learn how to use the computer as a tool to communicate, organize, process data, and present information. Using the internet and web-based programs, students will collaborate, collect information, and produce other creative works to enhance their knowledge toward technology uses that support life-long learning.

Scheduling Note for KAMSC Students: Students attending KAMSC will meet this requirement during two semesters of KAMSC Honors Information Technology in their ninth grade year and KAMSC Honors Computer Studies during two semesters of their tenth grade year.

Early/Middle College (EMC)

The Early/Middle College Program is designed to allow a student to earn a high school diploma and substantial college credit at the same time. The substantial college credit could result in a professional certificate, certificate of achievement, or an associate's degree. Students could be involved in EMC for three to five years. The program of instruction for EMC mirrors the education pathway of CTE and dual enrollment.

All classes are held on the campus of Kalamazoo Valley Community College (KVCC).

Transfer Degrees in Associate of Arts (AA) or Associate of Science (AS)

AA or AS degrees are for students planning to transfer to a four-year university. They require successful completion of a minimum of 62 credit hours.

The options listed below transfer to WMU. Students considering another four-year university, should discuss this with a KVCC Counselor to see if a transfer agreement is in place for their program of interest. Students planning to go to a four-year university out of state, the Early/Middle College program may not be in your best interest due to transferability of coursework.

Associate of Arts (AA) Degrees:

The Associate of Arts (AA) is a transfer degree that prepares students for a bachelor's degree program at a four-year college or university.

Business Administration

63 credits • Associate of Arts (AA)

The study of business administration refers to all aspects of managing and operating a business organization. It is a broad field of study covering basic principles related to the area of business, such as accounting, economics, finance, management, and marketing.

Computer Information Systems

62 credits • Associate of Arts (AA)

Computer information systems is the study of the application of computers in a business environment with an emphasis on the analysis and design of business information systems. This program differs from computer science in that it focuses more on the application of software programs rather than their design.

Criminal Justice

62 credits • Associate of Arts (AA)

Criminal justice is the study of the system through which crimes and criminals are identified, apprehended, judged, and punished.

Elementary Education

63 credits • Associate of Arts (AA)

The study of elementary education covers knowledge of basic skills in order to teach language arts, mathematics, sciences, and social studies, preparing the student for teacher certification in grades K-8.

Secondary Education

62 credits • Associate of Arts (AA)

The liberal arts program is designed to meet the general education requirements for a secondary education major.

Social Work

62 credits • Associate of Arts (AA)

Social work is a broadly defined profession encompassing many different kinds of professionals who all serve people in need. The International Federation of Social Workers calls social work "an interrelated system of values, theory and practice." Social workers are unique in the way that they look at many different aspects of a problem, from the individual to the societal, from the psychological to the political. Common ways of serving clients include providing counseling, therapy, and education, as well as connecting clients to appropriate public or private resources.

Studio Art

62 credits • Associate of Arts (AA)

This degree program is designed to be a transfer option for a Bachelor of Fine Arts, Bachelor of Arts, or Bachelor of Science in art education. A Bachelor of Fine Arts program in visual art and design focuses on intensive work in the visual arts supported by a program of general studies, whereas the Bachelor of Arts is broader with less studio art time required.

Early/Middle College (EMC)

Associate of Science (AS) Degree:

The Associate of Science (AS) is a transfer degree that prepares students for a bachelor's degree program at a four-year college or university.

Aviation Technology

62 credits • Associate of Science (AS)

The study of aviation combines three pivotal areas within the aircraft industry: flight science (pilot), maintenance of aviation equipment (technical operations), and management of aviation operations.

Biological Sciences

62 credits • Associate of Science (AS)

The study of biological science is the study of all living organisms including anatomy, genetics, microbiology, and physiology. This degree program is designed to transfer to a bachelor's degree with a major in any biology related field, including biology, biomedical sciences, molecular biology, medical laboratory science, and secondary education/biology. This major also prepares students for graduate degrees and professional programs in medicine, dentistry, and veterinary medicine.

Computer Science

62 credits • Associate of Science (AS)

Computer scientists design and develop the software programs that IT professionals use and maintain. Computer science emphasizes the software aspects both in theory and application rather than the physical construction of computers (hardware aspects). The computer science program includes core courses in programming, systems, algorithms, databases, web technologies, and software product development.

Engineering

62 credits • Associate of Science (AS)

Engineering is the use of science and mathematics to design or make things. Engineers work in the innovation, design, construction, operation, and maintenance of structures, machines, materials, devices, systems, processes, and organizations.

Associate of Applied Science (AAS) Degrees:

Unlike the Associate of Arts (AA) and Associate of Science (AS) degrees, which are designed primarily as transfer degrees, the AAS degree is designed for students who intend to enter the workforce upon graduation. Programs are occupational in orientation and are designed to prepare graduates for immediate employment. These programs require successful completion of a minimum of 62 credit hours.

Accounting

63 credits • Associate of Applied Science (AAS)

The AAS degree in accounting prepares students for entry-level accounting positions such as bookkeeper, accounts receivable, accounts payable, or payroll clerk; as assistants to line and staff accountants; or as a paraprofessional accountant in a Certified Public Accountant (CPA) firm. Both manual and computer integrated accounting systems are emphasized.

Automotive Undercar Systems

63 credits • Associate of Applied Science (AAS)

Courses in this program are designed to give the student experience in base automotive technology with a focus on automotive mechanical driveline, brakes, and suspension. It can be used to prepare for entry level employment in the autocare industry.

Administrative Assistant

64 credits • Associate of Applied Science (AAS)

This program prepares students to perform a wide range of administrative duties and information processing functions. It will provide expanded knowledge of business practices, procedures, and computer skills, as well as other technological skills that are being demanded in today's business world.

Business Administration

62 credits • Associate of Applied Science (AAS)

This program develops abilities and skills in organization and management, business procedures, leadership techniques and other fundamental aspects of business administration. The program prepares students for entry-level positions in business.

Culinary Arts and Sustainable Food Systems

67 credits • Associate of Applied Science (AAS)

Students will spend most of their time working in a real production kitchen and food service environment, on a sustainable farm, and in an active food production and distribution facility. The curriculum is grounded at the intersection of food production, social justice, environmental sustainability, nutrition and health.

Emergency Medical Services

69 credits • Associate of Applied Science (AAS)

Emergency medical technicians (EMT's) and paramedics are trained to perform critical emergency medical intervention for both the traumatically injured and acutely ill patient. Upon successful completion, Kalamazoo Valley's basic EMT and EMS programs qualify students to take the appropriate licensure exams. These programs have separate application processes and can be taken individually, however completion of a basic EMT program is one of the prerequisites for acceptance into the EMS program.

Early/Middle College (EMC)

Associate of Applied Science (AAS) Degrees (continued from previous page)

General Marketing

62 credits • Associate of Applied Science (AAS)

This program develops abilities and skills focusing on the marketing functions of a business. It includes a foundation in business as well as internet marketing while providing exposure to differing marketing aspects such as promotions and sales. The program provides the flexibility to allow a student to tailor the program for entry-level retail management, customer service management, and sales positions.

Graphic Design

66 credits • Associate of Applied Science (AAS)

The graphic design concentration is an interdisciplinary, career-focused program that helps students develop skills in design, typography, computer graphics, and new media design for print and web. This concentration is appropriate for students who wish to enhance their skills, retrain for new or added job skills, or enter the job market versed in design for print or web. The curriculum combines foundational and software-specific classes. Graduates may find work with advertising agencies, publishing and printing firms, art studios, television and radio stations, newspapers, and various businesses with in-house design departments.

IT Support Specialist

63 credits • Associate of Applied Science (AAS)

This hands-on program will prepare students for employment supporting operating systems along with networking and security requirements for local area networks (LANs). Students also learn to install, configure and troubleshoot PCs, networks, and hardware and software, including the Microsoft Office Suite applications. Database concepts, systems analysis and design, and writing and communication skills are also included in this program as it prepares students for several CompTIA and Microsoft certification tests

Machine Tool Technology

62 credits • Associate of Applied Science (AAS)

This program is designed to prepare students for machinist careers. Students are guided through a series of machine tool operation courses designed to challenge the process skills on manual and Computer Numerical Control (CNC) machines. In addition to comprehensive hands-on skill development, students learn the various types of materials and processes used in today's high-technology manufacturing industries.

Certificates (CERT):

This certificate program prepares the graduate for a specialized occupation. Completion of 30 or more credit hours is required.

Administrative Support

39 credits • Certificate (CERT)

This program provides the technical and basic skills needed for employment. Organizational, communication, and computer and software skills are emphasized.

Culinary Arts & Sustainable Food Systems

32 credits • Certificate (CERT)

This certificate teaches hands-on culinary skills in a state of the art commercial kitchen. The certificate offers innovative course selection that reinforces sustainable core culinary fundamentals.

General Automotive Service

32 credits • Certificate (CERT)

This certificate is designed to provide the starting technician with knowledge required to safely and ethically work in the automotive field as defined by local employers. It will prepare the student to pass the Michigan State Certification exams in Engines, Brakes, Steering, Suspension, and Air Conditioning, as well as Mobile Air Conditioning Society (MACS) certification for refrigerant handling.

Graphic Design

30 credits • Certificate (CERT)

The graphic design concentration is an interdisciplinary, career-focused program that helps students develop skills in design, typography, computer graphics, and new media design for print and web. This concentration is appropriate for students who wish to enhance their skills, retrain for new or added job skills, or enter the job market versed in design for print or web. The curriculum combines foundational and software-specific classes. Graduates may find work with advertising agencies, publishing and printing firms, art studios, television and radio stations, newspapers, and various businesses with in-house design departments.

Machinist

32 credits • Certificate (CERT)

This certificate program prepares students to enter the job market as a machinist, toolmaker, mold-maker, or die-maker trainee. Earning a certificate is the first step in entering the machine tool trade.

Office Management

34 credits • Certificate (CERT)

This program is designed for those interested in supervision/management positions in a small business. Skills in business practices, telephone techniques, information processing and management, computer and software usage, communications, supervision, and office procedures will be emphasized.

Certificate of Achievement (COA)

A certificate of achievement requires fewer courses than a regular certificate program. Training is provided in a specific set of skills for employment in a specific occupation. COA programs require more than 3, but less than 30 hours of credit.

Auto Brake Systems

16 credits • Certificate of Achievement (COA)

The National Automotive Technology Education Foundation (NATEF) certified Automotive Technology programs prepare students for a range of employment opportunities. Courses prepare students to test for Automotive Service Excellence (ASE) certification and ASE master certification, entry-level and advanced-level employment, job enhancement for current positions, wage increase if already employed, and the possibility of supervisory or management positions.

Early/Middle College (EMC)

Certificate of Achievement (COA) *(continued from previous page)*

Auto Suspension/Steering

12 credits • Certificate of Achievement (COA)

See Auto Brake Systems description.

Emergency Medical Technology – Basic

10 credits • Certificate of Achievement (COA)

This program prepares the student to work in the 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, vehicle extrication, and emergency childbirth. All credits in this program apply directly toward the emergency medical services AAS degree programs.

Computer Numerical Control (CNC) Operator

8 credits • Certificate of Achievement (COA)

This is a hands-on practical skills drafting program that prepares students to learn more about automated manufacturing processes and products they produce. Students will be able to mount cutting tools, jigs, and fixtures onto CNC machine tools and set the machine parameters in preparation for the CNC machining process.

Desk Side Support

21 credits • Certificate of Achievement (COA)

This program is taught in a hands-on environment to prepare students to provide computer support, trouble-shooting, and security services for PC hardware and software, and installation and management of operating components, and peripheral devices. Students also learn network installation, configuration, and support along with the ability to provide assistance with word processing, spreadsheet, and database and presentation software.

Dietary Manager

17 credits • Certificate of Achievement (COA)

This program prepares to perform the responsibilities of a dietary manager. They work in non-commercial food service operations to design nutritious and delicious menus, document dietary care related information, supervise staff, and ensure safe food production. As a program accredited by the Association of Nutrition and Food Service Professionals (ANFP), graduates are eligible to take the nationally-recognized exam to earn the credential of Certified Dietary Manager (CDM), Certified Food Protection Professional (CFPP).

Machine Tool Operator

7 credits • Certificate of Achievement (COA)

This program is designed to prepare students for machinist careers. Students are guided through a series of machine tool operation courses designed to challenge the process skills on manual and Computer Numerical Control (CNC) machines. In addition to comprehensive hands-on skill development, students learn the various types of materials and processes used in today's high-technology manufacturing industries.

Network Manager

15 credits • Certificate of Achievement (COA)

This hands-on program prepares the student for employment as a Microsoft network manager who can support operating systems, hardware, and software along with the ability to provide installation, configuration, security, and troubleshooting skills for Microsoft networking installations. Students with this certificate of achievement are also prepared for CompTIA and Microsoft certifications.

Office Support Specialist

23 credits • Certificate of Achievement (COA)

This program is designed to develop skills essential to an entry-level office support position.

PC Support Technician

21 credits • Certificate of Achievement (COA)

This program is designed to prepare students to provide computer support services including installation and management of operating systems; installation and configuration of computer components and peripheral devices; assistance in word processing, spreadsheet, database and presentation software problems; network installation; configuration and support; and troubleshooting problems with PC hardware, software, and security.

Software Specialist

19 credits • Certificate of Achievement (COA)

This program prepares students for an entry-level position in an information processing environment. Emphasis is on software training.

Welding Constant Current (CC) Processes

6 credits • Certificate of Achievement (COA)

This program includes skill training in the Shielded Metal Arc Welding (SMAW) and Gas Tungsten Arc Welding (GTAW) welding processes and welding symbols and print reading. Materials welded include mild steel, stainless steel, and aluminum. Courses offered can provide the skill set necessary to successfully complete welder certification testing required by many welding companies.

Welding Constant Voltage (CV) Processes

6 credits • Certificate of Achievement (COA)

This program includes skill training in the Gas Metal Arc Welding (GMAW) and Flux-cored Arc Welding (FCAW) welding processes and welding symbols and print reading. Materials welded include mild steel, stainless steel, and aluminum. Courses offered can provide the skill set necessary to successfully complete welder certification testing required by many welding companies.

Word Processing Specialist

18 credits • Certificate of Achievement (COA)

This program is designed to prepare students for an entry-level position in a word/information processing environment. Emphasis is on communication skills, keyboarding, and software training.

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
10251CW	Art History & Appreciation – CW	70104CW	Biology A – CW
10622CW	Digital Photography 1a: Introduction – CW	70105CW	Biology B – CW
10623CW	Digital Photography 2 – CW	70201CW	Chemistry: Foundations – CW
1101CW	Career Discovery – CW	70302CW	Physics A – CW
30102CW	English 9 A – CW	70303CW	Physics B – CW
30103CW	English 9 B – CW	70514CW	Earth and Space Science A – CW
30202CW	English 10 A – CW	70515CW	Earth and Space Science B – CW
30203CW	English 10 B – CW	70522CW	Environmental Science A – CW
30302CW	English 11 A – CW	70523CW	Environmental Science B – CW
30303CW	English 11 B – CW	70534CW	Forensic Science I – CW
30402CW	English 12 A – CW	70535CW	Forensic Science II – CW
30403CW	English 12 B – CW	70612CW	Physiology – CW
30501CW	Creative Writing – CW	70613CW	Anatomy – CW
30561CW	Journalism 1a: Introduction – CW	80102CW	World History A – CW
40521CW	Nutrition and Wellness – CW	80103CW	World History B – CW
40531CW	Real World Parenting – CW	80202CW	US History A – CW
45101CW	Health – CW	80203CW	US History B – CW
45301CW	Health Science: Whole Individual – CW	80302CW	Government A – CW
50002CW	Accelerate to Algebra A – CW	80303CW	Government B – CW
50102CW	Algebra I A – CW	80311CW	Economics – CW
50103CW	Algebra I B – CW	80521CW	Anthropology I – CW
50202CW	Geometry A – CW	80541CW	Careers in Criminal Justice – CW
50203CW	Geometry B – CW	80544CW	Law & Order: Intro to Legal Studies – CW
50302CW	Algebra II A – CW	80561CW	Sociology – CW
50303CW	Algebra II B – CW	80641CW	Women's Studies: Through Film – CW
50522CW	Precalculus A – CW	80651CW	Anthropology II – CW
50523CW	Precalculus B – CW	90112CW	Spanish I A – CW
50531CW	Probability and Statistics – CW	90113CW	Spanish I B – CW
50542CW	Financial Mathematics A – CW	90122CW	Spanish II A – CW
50543CW	Financial Mathematics B – CW	90123CW	Spanish II B – CW
50551CW	Consumer Mathematics – CW	90212CW	French I A – CW
60601CW	Music Appreciation – CW	90213CW	French I B – CW
65611CW	Personal Fitness – CW		

Education for the Arts (EFA)

All EFA courses count towards fulfillment of the Visual, Performing and Applied Arts Credit
See all the Education for the Arts course descriptions at www.KRESA.org/efa

VISUAL ARTS

Visual Arts Exploration	1.0	Kalamazoo Institute of Arts
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MEDIA ARTS

3D Computer Animation and Game Design	1.5	Epic Center, PMN
Advanced Creative Writing Online	.05	All High Schools
Comics, Manga and Graphic Novel Arts	1.0	Web-based, and Kalamazoo Central and Loy Norrix
Creative Writing Online	1.0	Web-based, one semester
Digital Photo Art	0.5	Web-based and Epic Center, PMN
Digital Studio Art	0.5	Web-based and Epic Center, PMN
Film and Video Arts	3.0	Kalamazoo Central
KVCC Media Arts	3.0	KVCC Center for New Media

DANCE

Beginning Dance Studio	1.5	Kalamazoo Central and Loy Norrix
Intermediate Dance Studio	1.5	Kalamazoo Central and Loy Norrix
World Dance	0.5	Kalamazoo Central and Loy Norrix

PERFORMANCE, THEATRE AND MUSIC

Advanced Musical Theatre Workshop	3.0	Portage Northern High School
Hip Hop 180	1.5	Loy Norrix
Theatre Improv and Scriptwriting	3.0	Comstock High School

VISUAL ARTS

Visual Arts Exploration

• 0.5 Credit

Course #: 2050-1

Prerequisite: None

Grades: 9, 10, 11, 12

Site: Kalamazoo Institute of Arts (KIA)

Scheduling Note: Class meets Wednesday evenings (September – January)

This is an in-depth exploration of advanced 2-D techniques including drawing and design, print-making, watercolor, acrylics and other media. Portfolio preparation and public exhibition opportunities are available. Students will work with a number of professional artists in studio facilities at the Kalamazoo Institute of Arts.

Evenings

Visual Arts Exploration

• 0.5 Credit

Course #: 2051-1

Prerequisite: None

Grades: 9, 10, 11, 12

Site: Kalamazoo Institute of Arts (KIA)

Scheduling Note: Class meets Wednesday evenings (January – June)

This is an in-depth exploration of advanced 3-D techniques including sculpture, ceramics, modeling, carving and casting processes, using a wide range of materials, creating representational and abstract works will be introduced through detailed demonstrations. Students will work with a variety of professional artists in modern studio facilities at the Kalamazoo Institute of Arts. Portfolio preparation and public exhibition opportunities are available.

Evenings

3D Computer Animation and Game Design

3 Trimesters • 1.5 credits

Course #: 2057-789

Prerequisite: None

Grades: 9, 10, 11, 12

Site: Epic Center, PMN

Introduction to the technical and creative fundamentals of 3D animation software. Students will learn core concepts such as modeling, mapping, storyboard/scripting, and rendering. Students will create original characters and environment designs, animate characters in a game landscape, and design storyboards using gaming logic and strategies.

Advanced Creative Writing - Online

1 Trimester • 0.5 credit

Course #: 2093-1

Prerequisite: Creative Writing - Online

Grades: 9, 10, 11, 12

Site: All High Schools

This class is open to motivated writers who have successfully completed the Creative Writing Online class. Students will submit an individualized writing project to the instructor in any creative writing genre. The instructor will develop with students, a relevant research plan and writing / revision calendar. Students will receive feedback from instructor and peer student writers. Final writing product will be shared in an online portfolio and submitted to student writing festivals.

Comics, Manga and Graphic Novel Arts

1 Trimester • 1 credit

Course # 2065-1

Prerequisite: None

Grades: 9, 10, 11, 12

Site: Four days on-line, one day on site

In this course, students will learn how to write and produce compelling, artistic and inventive comics or manga, and Graphic Novels. Students will research the history of comics, study the elements of story, plot and character development, and the productive use of imagery, layout, and composition. Students will work individually and collaboratively on projects. This is not a drawing class. Students will develop projects through manipulation and editing of found media and open source graphics. Students will actively research comics history and techniques and learn to critically analyze their own and peer work.

Creative Writing Online Web-Based

1 Semester • 0.5 Credit Course #: 2092-1

1 Semester • 1 Credit Course #: 2092-2

Prerequisite: None

Grades: 9, 10, 11, 12

Through the study of written works in various forms and the regular practice of writing, students will achieve a better understanding of the creative writing process. Additionally, students will collaborate on a few projects, and will read and critique one another's work through small group workshops (held through discussion forums). Students will turn in four major creative writing assignments, regular creative writing exercises, three short reflections, a recording of the student performing an assignment, and an online portfolio.

Digital Photo Art

1 Semester – 0.5 Credits

Course #: 2056-1

Prerequisite: None

Grades: 9, 10, 11, 12

Site: Evening/Online: Blended Learning Class Web-based and Epic Center, PMN

This class introduces, enhances, and refines students' ability to express themselves with the aid of digital cameras. Students will learn photographic technique, computer enhancement of photos, printing, and professional presentation techniques. Students will have a number of assignments ranging from core photography fundamentals to immersive pieces of personal expression. Students will end with the beginnings of a portfolio and knowledge to continue and expand on their work in the future.

Digital Studio Art

1 Semester – 0.5 Credits

Course #: 2054-1

Prerequisite: None

Grades: 9, 10, 11, 12

Site: Evening/Online: Blended Learning Class Web-based and Epic Center, PMN

Digital tools permeate nearly all avenues of media, including such fundamental artistic mediums as drawing and painting. The generations-old techniques once practiced with pencil and paper and brush and canvas are now increasingly supplemented or even supplanted by pixels and vectors. This class will provide an introduction to the basics of drawing and painting using digital means and will give students an introduction to 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 the tools of imaging software.

Film and Video Arts

3 Trimesters • 3.0 Credits

Course #: 2063-1789

Prerequisite: None

Grades: 10, 11, 12

Site: Kalamazoo Central High School

Scheduling Note: Meets daily (M-F), two periods per day for a full year

This course introduces students to the creation and study of time-based media in video and film. Students will work with the latest digital technology in creating a variety of works that help them mold and define their own personal visual style for innovative, artistic communication.

KVCC Media Arts

3 Trimesters • 3.0 Credits

Course #: 2061-1789

Grades: 10, 11, 12

Prerequisite: None

Site: KVCC's Center for New Media

Scheduling Note: Meets daily (M-F), two periods per day for a full year

Students will create artworks using computers as tools and learn how art communicates emotions and ideas. Projects include digital photograph manipulation, art for the Internet, stereo 3-D images, digital painting, and combining traditional media with new techniques.

DANCE

Beginning Dance Studio

[MAC] Physical Education

1 Trimester • 0.5 Credits

Course #: 2070-456

Grades: 9, 10, 11, 12

Prerequisite: None

This course may be taken for 1, 2, or 3 trimesters.

Site: Kalamazoo Central & Loy Norrix High Schools

Learn the basic elements and discipline of formal dance technique, exploring classical modern dance, ballet, jazz, and cultural dance styles. Exploration of dance-related subjects will include movement improvisation, composition, and dance history. Students gain performance skills, learn how to choreograph their own dances, and are required to participate in EFA dance concerts each semester. 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.

Intermediate Dance Studio

[MAC] Physical Education

3 Trimesters • 1.5 Credits

Course #: 2074-789

Prerequisites: Beginning Dance Studio

Grades: 9, 10, 11, 12

Site: Kalamazoo Central and Loy Norrix

Students will further their training through in-depth instruction and structured small group student exploration in formal dance technique, classical modern dance, ballet, jazz, hip hop, and cultural dance styles. Exploration of dance-related subjects include movement improvisation, composition, and dance history. Students will gain performance, composition, and choreographic skills, develop observation, analysis, critical thinking, and reflection skills. Students will prepare and produce a dance presentation each trimester. The class will take field trips to professional dance concerts and have the opportunity to work with master guest artists.

World Dance

[MAC] Physical Education

1 Trimester • 0.5 Credits

Course #: 20761

Grades 9, 10, 11, 12

Prerequisite: None

This course can be taken 1, 2, or 3 trimesters

Site: Kalamazoo Central & Loy Norrix

Students will learn about the history of Dance from around the world. This class will explore the cultural and historical context of many indigenous dances from across the globe. This class will have experiential, reading, and written components that will provide students with foundational knowledge to connect current trends in dance with their cultural roots. Students will be exposed to professional dance educators and representatives from diverse cultures.

Music and Theatre

Advanced Musical Theatre Workshop

3 Trimesters • 3.0 Credits

Course #: 2080-789

Prerequisite: None

Grades: 10, 11, 12

Site: Portage Northern High School

Using a workshop approach, students will experience an in-depth study of musical theatre in order to enhance their appreciation of the genre and to improve their practical performance skills in acting, vocal and dance performance. Mentored by theatre, vocal and dance educators, and guest artists, students will have the opportunity to explore, perform, and critique various aspects of musical theatre from the past to the present. Emphasis will be placed on creative and innovative approaches to performing works.

Hip Hop 180

1 Trimester • 1.0 Credits

Course #: 2075-1

Prerequisite: None

Grades: 10, 11, 12

Site: Loy Norrix High School

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 the community.

Theatre Improv and Scriptwriting

3 Trimesters • 3.0 Credits

Course #: 2082-789

Prerequisite: None

Grades: 10, 11, 12

Site: Comstock High School

Scheduling Note: Meets daily (M-F), two periods per day for a full year

Through in-depth study and practice of every aspect of theatre, students will learn the basics of improvisation, writing, directing, and acting for the stage as well as integrating image and music into their own theatrical performances. Meeting every day in a state-of-the-art professional theatre, students will work with practicing artists exploring different forms of theatre, from classical to contemporary, and many things in between. These experiences will form the development of each student's distinct writing style and their own original work using the creative process in theatre and drama. Students will participate in a minimum of two class performances and visit area theatres to experience a variety of stage productions.

Career and Technical Education (CTE)

<u>Course</u>	<u>Grades</u>	<u>CR</u>	<u>Site</u>
Accounting	10,11,12	1.0	Kalamazoo Central and Loy Norrix
Advanced Accounting	10,11,12	0.5	Kalamazoo Central and Loy Norrix
Agriscience: Animals and Plants	10,11,12	1.0	Vicksburg High School
AP Computer Science Principles	10,11,12	1.5	Vicksburg High School
Art and Design Career Skills	10,11,12	1.5	Kalamazoo Central High School
Art and Design Career Skills (Advanced)	11,12	0.5-1.5	Kalamazoo Central High School
Automotive Technology	11,12	1.5	Loy Norrix and Comstock H.S.
Aviation Technology I	11,12	3.0	Air Zoo
Aviation Technology II	11,12	3.0	Air Zoo
Banking and Finance	11,12	3.0	Galesburg Augusta High School
Business Finance	10,11,12	0.5	Kalamazoo Central & Loy Norrix
Business Information Systems	10,11,12	1.0	Kalamazoo Central & Loy Norrix
Business Information Systems (Advanced)	10,11,12	0.5	Kalamazoo Central & Loy Norrix
Business Law	10,11,12	0.5	Kalamazoo Central & Loy Norrix
Certified Nurse Assistant (CNA)	12	1.0	KVCC Groves Campus
Computer Science/Software Engineering	11,12	3.0	Gull Lake High School
Computerized Manufacturing	10, 11,12	3.0	Vicksburg High School
Construction Trades	11,12	3.0	Loy Norrix and Construction Site
Conservation Biology	11,12	3.0	Kalamazoo Nature Center
Cosmetology or Barbering	11,12	3.0	West Michigan Barbering
Culinary Arts	11,12	3.0	Community Education Center (CEC)
Dental Assisting	12	3.0	KVCC and local dental offices
Electrical Technology	12	3.0	KVCC (Oshtemo)
Electronics and Robotics I	10,11,12	1.5	Kalamazoo Central High School
Electronics and Robotics II	11,12	0.5-1.5	Kalamazoo Central High School
Emergency Medical Technician (EMT)	12	3.0	KVCC Culinary/Allied Health Building
Furniture and Cabinetmaking	11,12	3.0	Portage Northern High School
Health Science	11,12	3.0	KVCC (Oshtemo)
Heating, Ventilation, Air Conditioning & Refrigeration	12	3.0	KVCC (Oshtemo)
Horticulture	10,11,12	1.0	Vicksburg High School
Information Technology I	10,11,12	1.5	Loy Norrix High School
Information Technology II	11,12	0.5-1.5	Loy Norrix High School
International Business	10,11,12	0.5	Kalamazoo Central & Loy Norrix
Introduction of Automotive	9,10,11,12	0.5	Loy Norrix High School
Introduction to Information Technology (I.T.)	9,10,11,12	0.5-1.5	Loy Norrix High School
Law Enforcement I and II	11,12	3.0	KVCC (Oshtemo)
Marketing (Basic)	10,11,12	1.0	Kalamazoo Central High School
Marketing (Advanced)	10,11,12	0.5	Kalamazoo Central High School
Marketing, Entrepreneurship and Career	10,11,12	0.5	Kalamazoo Central High School
Marketing: School Store (Maroon Shop)	10,11,12	0.5	Kalamazoo Central High School
Mechatronics	10,11,12	1.5	Vicksburg High School
Media Production	11,12	3.0	Public Media Network, Epic Center
Non-CTE Work-Based Learning		0.5-1.0	Kalamazoo Central & Loy Norrix (1.0), Phoenix (0.5)
Professional Health Science	12	3.0	KVCC (Oshtemo)
Sports and Entertainment Management	10,11,12	0.5	Kalamazoo Central & Loy Norrix
Teacher Academy	11,12	3.0	Loy Norrix/ and KPS Elementary
Veterinary Science	12	3.0	Vicksburg High School
Welding Trades	12	3.0	KVCC (Oshtemo)

Career and Technical Education (CTE)

Completion of any state-approved CTE program allows a student to substitute:

- **4th Related Math** (All CTE courses approved for 4th related math credit by Kalamazoo Count Curriculum Coordinators starting in 2022-2023.)
- **3rd Science Credit** (Regardless of content)
- **One World Language Credit**
- Some CTE programs also allow for **Visual, Performing & Applied Arts** (see 3rd column below).

Completion means 2 full semesters except for those programs highlighted in **red** below which take 4 full semesters.

*For a completer of in-house trimester programs – see instructor. One trimester does not indicated a completed program.

Arts and Communications Pathway	Site	Visual, Performing & Applied Arts
Art and Design Career Skills	Kalamazoo Central High School	Yes
Media Production	Public Media Network/Epic Center	Yes
Business, Management, Marketing and Technology Pathway	Site	Visual, Performing & Applied Arts
Accounting/Finance	Climax-Scotts, Galesburg-Augusta, *Gull Lake, *Kalamazoo Central, *Loy Norrix, Portage Central, Portage Northern, Schoolcraft, Vicksburg	
Banking & Finance	Galesburg-Augusta	
Business Administration, Management & Operations (Course names vary according to school districts)	Climax-Scotts, Galesburg-Augusta, *Gull Lake, *Kalamazoo Central, *Loy Norrix, *Parchment, Schoolcraft	Yes
Computer Science Software Engineering	Gull Lake	
Computer Science Principles (AP)	Vicksburg	
Culinary Arts	KVCC Culinary & Allied Health Campus	Yes
Information Technology	Loy Norrix	Yes
Marketing/Entrepreneurship	Climax-Scotts, Galesburg-Augusta, *Gull Lake, *Kalamazoo Central, *Parchment, Portage Central, Portage Northern, Vicksburg	Yes
Web Design/Graphics	*Gull Lake, Portage Northern	Yes
Engineering, Manufacturing, Industrial Technology Pathway	Site	Visual, Performing & Applied Arts
Automotive Technology	Comstock, Loy Norrix	
Aviation Technology	Kalamazoo Air Zoo	
Computerized Manufacturing	Vicksburg	Yes
Construction Trades	Loy Norrix and construction site	Yes
Electronics & Robotics	Kalamazoo Central	Yes
Engineering in Wood Technology	Portage Northern	Yes
Mechatronics	Vicksburg	Yes
Welding	KVCC-Texas Township Campus	Yes
Health Sciences Pathway	Site	Visual, Performing & Applied Arts
Certified Nursing Assistant (CNA)	KVCC-Groves Campus	
Dental Assisting	KVCC-Texas Township Campus	
Emergency Medical Technician (EMT)	KVCC-Texas Township Campus	
Health Science	KVCC-Texas Township Campus	
Human Services Pathway	Site	Visual, Performing & Applied Arts
Cosmetology/Barbering	West MI College of Barbering & Beauty	Yes
Law Enforcement	KVCC-Texas Township Campus	
Teacher Academy	Gull Lake, Loy Norrix, Portage Northern	Yes
Natural Sciences & Agri-Science Pathway	Site	Visual, Performing & Applied Arts
Agri-Science: Animals and Plants	Vicksburg	
Conservation Biology	Kalamazoo Nature Center Heronwood Field Station	
Horticulture	Vicksburg	
Veterinary Science	Vicksburg	
Wildlife & Natural Resources	Vicksburg	

Career and Technical Education (on-site)

Articulated and Direct Credits

Many Career and Technical Education (CTE) programs are articulated with Kalamazoo Valley Community College, Davenport University, and other area colleges. This means that the post-secondary institution(s) recognize CTE course(s) as being equivalent to a beginning level college course(s). Students enrolled in these CTE programs have the opportunity to receive college credit without tuition costs.

**All of the following CTE courses are offered (on-site) at either
Kalamazoo Central or Loy Norrix High School**

Art and Design Career Skills

[MAC] Visual, Performing & Applied Arts

3 Trimesters • 1.5 Credits

Course #: 2530-789

Prerequisite: None

Grades: 10, 11, 12

Site: Kalamazoo Central High School

This course allows students to explore and perfect skills in various art media, use professional quality art materials and equipment. Student will work on Apple computers and tablets and learn the Adobe Creative Suite programs including Photoshop, Illustrator, and InDesign.

Throughout the school year, students will explore graphic design processes and experience a variety of printmaking techniques. Students will create a personal logo, business card, resume, cover letter, assemble a professional portfolio, and attend a portfolio review in preparation for college admissions and internships.

(Advanced) Art and Design Career Skills

1 Trimester • 0.5 Credit

Course #: 2531-456

Prerequisite: Art and Design Career Skills

Grade: 11, 12

Site: Kalamazoo Central High School

Scheduling Note: This course may be taken for 1, 2, or 3 trimesters

This is an advanced course to further prepare students for careers in art and design. Project based learning in this course follows a natural progression throughout the year. Instructional projects may be assigned based on student interest and/or based on the time of year the student enters this course.

(Introduction to) Automotive Technology

1 Trimester • 0.5 Credit

Course #: 2533-1

Prerequisite: None

Grades: 9, 10, 11, 12

Site: Loy Norrix High School

Introduction to Automotive Technology is designed to teach students the basic theory and hands-on experience necessary to perform automotive maintenance, basic automotive system repairs, use of automotive shop tools and equipment, along with career exploration within the automotive industry. Classroom and laboratory experience includes tool and equipment usage, shop safety, engine construction, operation and service for electrical and electronic systems, steering systems, and braking systems. This course provides a good introduction into the automotive field, before taking Automotive Technology.

Automotive Technology

3 Trimesters • 1.5 Credits

Course #: 2533-789

Prerequisite: None

Grades: 11, 12

Site: Loy Norrix and Comstock H.S.

Scheduling Note: May be elected for two years

This National Institute for Automotive Service Excellence (ASE) certified program covers these areas of automotive service: engine, brakes, electrical & electrical systems, steering & suspension, auto & manual transmissions and air conditioning. Students may take this course for two years.

*Potential for articulated credits with Baker college, Kalamazoo Valley Community College, University of Northwest Ohio

*This is an Early/Middle college eligible program

Career and Technical Education (on-site)

Construction Trades

[MAC] Visual, Performing & Applied Arts

3 Trimesters (2 periods) • 3 Credits

Course #: 2552-789

Prerequisite: None

Grades: 11, 12

Site: Loy Norrix and Construction Site

Scheduling Note: May be elected for two years

This course exposes students to several aspects of the construction industry including site layout, carpentry, electrical, masonry, plumbing, heating, tile setting, HVAC, painting, and other construction skill areas. Students experience hands-on training in remodeling and/or new construction, as well as classroom training. Students interested in this course should understand basic concepts of measurement and mathematics and be able to work indoors or outdoors.

****Taught in connection with the Kalamazoo Valley Habitat for Humanity Program.***

Electronics and Robotics II

1 Trimester • 0.5 Credit

Course #: 2548-456

Prerequisite: Electronics and Robotics I

Grades: 11, 12

Site: Kalamazoo Central High School

Note: May be taken for 1, 2, or 3 trimesters

Students entering this second year course should have a strong desire to continue building on concepts and skills introduced in the first year course through project-based learning. Projects may be assigned based on interest and/or time of the year the student enters the course. Students will be strongly encouraged to explore various fields related to this class to help them make informed decisions in planning for post-secondary and future careers.

Electronics and Robotics I

[MAC] Visual, Performing & Applied Arts

3 Trimesters • 1.5 Credits

Course #: 2547-789

Prerequisite: Algebra I

Grades: 10, 11, 12

Site: Kalamazoo Central High School

This is an excellent course for students to use their creativity to solve problems and figure out how things work. Using a hands-on approach, students will be introduced to concepts and skills in current and emerging technical fields using high tech equipment and programs in a student centered classroom. Projects are designed to challenge and engage the minds of students to provide a strong foundation that could launch them into engineering or other high-tech careers, such as alternative energies, robotics and automated systems, optics, biomedical, and nanotechnology.

[MAC] MERIT ACADEMIC CREDIT

Students may earn academic credit towards the Michigan Merit Curriculum in the areas of mathematics, science, the arts, and language through specific Board-approved alternative path courses. Such courses are identified [MAC] throughout this section.

Career and Technical Education (on-site)

Introduction to Information Technology (I.T.)

1 Trimester – 0.5 Credit

Course #: 2578-4

Grades: 9,10,11,12

Prerequisite: None

Site: Loy Norrix High School

Scheduling note: Course repeats each trimester.

This is an entry level course designed to introduce students to basic computing principles. It covers basic IT literacy and ensures the student understands the different terminologies and various concepts involved in the IT industry. The course serves as a great starting point to learning more about computers and is designed to be the first step to pursuing CompTIA A+ or other certifications. Topics covered include hardware basics, troubleshooting, software installation, networking, programming, and security. Eligible certifications include CompTIA's IT Fundamentals.

Information Technology I

3 Trimesters • 1.5 Credits

Course # 25387, 25388, 25389

Prerequisite: None

Grades: 10, 11, 12

Site: Loy Norrix High School

Students enrolled in this program will be exposed to numerous Information Technology specialty areas and choose one of the following career paths to focus on for the year. PC Technician: This path provides a thorough overview of what it means to work as a Tier 1 technician for an IT department. Students will learn about hardware, Windows and Linux operating systems, printers, scripting, networking, security and troubleshooting. Eligible certifications include CompTIA's IT Fundamentals and A+, Microsoft's Networking, Operating Systems, and Security Fundamentals; and TestOut's IT Fundamentals and PC Pro. Cisco Networking: Students in this path will experience a comprehensive introduction to the networking field and in-depth exposure to fundamental networking, LAN switching, wireless LANs, basic routing, Cybersecurity, WAN concepts, VPNs, QoS, virtualization, and network automation. Threaded throughout the course are security concepts and skills including threat mitigation through LAN security, ACLs, and IPsec. Eligible certifications include Cisco's CCNA and CompTIA's Network+.

Information Technology II

1-3 Trimesters (Second year students will be in class with year 1 students) • 0.5 - 1.5 Credits

Course#: 25794, 25795, 25796

**Prerequisite: Info Tech: Information Technology I
Grades 11, 12**

Site: Loy Norrix High School

Students returning for a second year of Information Technology will take a deeper dive into opportunities, work semi-independently and focus on one or more of the following areas of IT: cybersecurity, servers, Linux, or cloud. Cybersecurity: Initial topics will include an introduction/refresher into Python coding, Linux, and IoT devices. Students will then dive into the world of ethical hacking. Servers: The course is designed to prove mastery of the skills required to administer Windows Server, including installation and implementation of storage solutions, Hyper-V, and Windows containers; networking with DNS, DHCP, IP address management, and advanced infrastructure; and administration of Active Directory Domain Services, group policy, Nano Server, and more. Linux: Linux is everything from cars and smartphones to servers and supercomputers, as a vast number of enterprises use Linux in cloud, cybersecurity, mobile and web administration applications. Cloud: This course is conditional upon current applications with Microsoft and Amazon partnerships. Students will learn what the cloud is and how it works, differentiate between cloud computing and deployment models, and describe the basic global infrastructure of the cloud.

Career and Technical Education (off-site)

The following CTE courses are located off-site:

All of the following courses meet daily (M-F) for two (2) periods, for a full year.

Exceptions to the daily schedule are Electrical Technology and HVACR.

[C] AP Computer Science Principles

3 Trimesters • 1.5 credits

Course #: 1594-789

Prerequisite: None

Grades: 10, 11, 12

Site: Vicksburg High School

AP Computer Science Principles is an introductory college-level computing course. Students cultivate their understanding of computer science through working with data, collaborating to solve problems, and developing computer programs as they explore concepts like creativity, abstraction, data and information, algorithms, programming, the internet, and the global impact of computing. Students who earn a qualifying score on the AP exam at the end of the course are typically eligible, in college, to receive credit, placement into advanced courses or both.

[C] Agriscience: Animals and Plants

3 Trimesters (2 periods) • 3 Credits

Course #: 25862, 25863

Prerequisite: None

Grades: 10, 11, 12

Site: Vicksburg High School

Interested in growing plants? Want to know about and do more with animals? Interested in natural resources? This is a year-long, hands-on course that allows you to do it all. One semester is spent learning about plants: how to grow them, how they work, and how they feed the world. Students learn about plants and their relationship and importance to people. Students also study plant classification, cell structure, plant parts and functions, plant processes, plant nutrition and soils. The other semester is based upon animals--all kinds of animals. Students learn about basic biology, behavior, care and handling of a broad range of species. Students study domestic livestock production, animal health and nutrition, animal genetics and reproduction, and animal anatomy and physiology. Students study the selection, breeding, feeding, care, and marketing of animals, as well as the role of pets and other animals and their interactions with humans.

[C] Aviation Technology I

3 Trimesters (2 periods) • 3 Credits

Course #: 2551-789

Prerequisite: None

Grades: 11, 12

Site: Air Zoo

Students in this course are dually-enrolled and have the opportunity to earn college credit through Kellogg Community College (KCC) in addition to high school credit. The KCC aviation coursework is part of a bridge agreement with Western Michigan University - College of Aviation and is delivered as an on-line course. Wrap-around instruction is provided by CTE to ensure student success at the college level.

This program is intended for students with an interest in pursuing a career related to aviation and will introduce students to every aspect of the aviation industry. Students will develop a broad knowledge base in subject areas ranging from evolution of airplanes and commercial aviation, flight operations, weather, airspace, navigation, regulations, and aircraft systems. Students will have the opportunity to interact with industry experts and visit leaders in the field of aviation for career exploration. The program will feature many hands-on labs.

[C] Aviation Technology II

3 Trimesters (2 periods) • 3 Credits

Course#: 2551-456

Prerequisite: None

Grade: 12

Site: Air Zoo

Students in this course are dually-enrolled and have the opportunity to earn college credit through Kellogg Community College (KCC). The KCC aviation coursework is part of a bridge agreement with Western Michigan University – College of Aviation and is delivered as an online course.

Students in this course will study airframes and systems as well as aircraft power plants. This course includes light aircraft construction styles, system function, operation, cockpit controls, and indications. Students are introduced to typical aircraft engines, including reciprocating and gas turbine engines, operating cycles, power generation, operating parameters, and engine specifics.

[C] – College credit may be available

Career and Technical Education (off-site)

Banking and Finance

3 trimesters (2 periods) • 3 Credits

Course #: 1566-789

Prerequisite: None

Grades: 11, 12

Site: Galesburg Augusta High School

This course provides students with a background in customer service, personal finance, budgeting, investment planning, and business financial management. Student gain exposure to the various career options in the field. They learn how the financial decisions that they make today affect their future.

Certified Nurse Assistant (CNA)

2 Trimesters (2 periods) • 2 Credits

Course #: 2574-23

Prerequisite: An interview process will occur after registering for the class.

Grade: 12

Age: Must be 18 years or older by examination date for CNA license by State of Michigan

Site: KVCC Groves Campus

Students will learn to care for patients in a caring and compassionate manner. Students first learn patient care techniques in a simulated lab environment, followed by a clinical rotation at a nursing home. Upon completion of the program, students are offered study and practice sessions to prepare for the state of Michigan competency exam.

Computer Science/Software Engineering

3 trimesters (2 periods) • 3 Credits

Course #: 2584-789

Prerequisite: None

Grades: 11, 12

Site: Gull Lake High School

This course provides an excellent introduction into the computer science world through engaging students in computational thinking. In this course, students create interactive stories using a programming language called Scratch; work in teams to create simple apps for mobile devices using App Inventor; learn introductory elements of text-based programming in Python, and analyze data using Excel. Students will learn the impact of a computing society and the application of computing across career paths.

Computerized Manufacturing

[MAC] Visual, Performing & Applied Arts

3 Trimesters (2 periods) • 3 Credits

Course #: 2566-789

Prerequisite: None

Grades: 10, 11, 12

Site: Vicksburg High School

Scheduling Note: May be elected for two years This pre-engineering course provides training in the operation of high technology computer-aided design and computer manufacturing systems. All equipment is state of the art including Haas and Mazak CNC machining centers. The course uses CAD software including Solidworks, Mastercam and Keycreator. It also features demonstrations and maximizes student laboratory work (80% hands-on). Paid co-op opportunities are available to 2nd-year students and are placed at local manufacturers at a high success rate. Students will be prepared for immediate employment, advanced schooling and/or apprenticeship opportunities with local area employers.

Conservation Biology

3 Trimesters (2 periods) • 3 Credits

Course #: 2577-789

Prerequisite: None

Grades: 11, 12

Site: Kalamazoo Nature Center

This course introduces students to the exciting careers in natural resource conservation and wildlife biology. This laboratory/field-based course involves hands-on learning ecological science, animal and plant studies, job shadowing, and field trips. This course will have special emphasis on skills and technology used in the profession. Students will have direct contact with natural resource conservationists and wildlife biologists in this field of study. They will attain the skills necessary to obtain employment in various careers in natural resource conservation and wildlife biology.

Cosmetology or Barbering

[MAC] Visual, Performing & Applied Arts

3 Trimesters (2 periods) • 3 Credits

Course #: 2553-789

Prerequisite: None

Grades: 11, 12

Site: KVCC Texas Township Campus

This is a state-certified program of instruction designed to prepare students to become a licensed professional cosmetologist or barber. Michigan's cosmetology course includes 1500 clock hours (barbering includes 2000) of mandatory attendance. In order to complete this requirement, students must be committed to attending the program during an extended day throughout their junior and senior year and the summer that falls between. Upon successful completion of this prerequisite, students will be prepared to take their Michigan State Board Exam. Students not able to complete this requirement during their CTE enrollment will need to complete the program at their own expense.

Extended Day

Culinary Arts

[MAC] Visual, Performing & Applied Arts

3 Trimesters (2 periods) • 3 Credits

Course #: 2554-789

Prerequisite: None

Grades: 11, 12

Site: KVCC Culinary/Allied Health Building

This program provides students with the opportunity to learn about the restaurant and food service industry. The curriculum, ProStart, was created by the National Restaurant Association and provides students with the skills necessary to be restaurant and foodservice leaders. Students learn basic food preparation and explore different fields of the culinary trade. Instruction and learning activities are provided in a food lab using hands-on experiences. The curriculum includes, but is not limited to, front-of-the-house duties (server or host manager) as well as back-of-the-house duties (Head chef, sous chef, or line cook). Additional activities provide instruction in a wide range of topics from management and employability skills to catering. Students participate in culinary competitions and acquire industry recognized certifications needed to succeed in the industry and post-secondary education.

[C] Dental Assisting

3 Trimesters (2 periods) • 3 Credits

Course #: 2555-789

Prerequisite: Students must meet minimum requirements defined in the KVCC Health packet (SAT scores, completion of physical, proof of immunizations, and successfully drug screen and live Scan fingerprinting.)

Grade: 12

Site: KVCC Texas Township and local dental offices

Students will be dually enrolled through KVCC having the opportunity to earn both high school and KVCC credit.

This course teaches the background knowledge and skills needed for an entry-level dental assistant. The student is introduced to the importance of a variety of delegated tasks including infection control, medical history assessment, and four-handed dentistry for restorative and surgical procedures. On an opposing day, students will be enrolled in Safety and First Aid where they will learn the practical aspects of first aid and cardio-pulmonary resuscitation. Second semester students continue to build on the learned skills while developing competency in advanced skills needed for servicing patients along with an introduction to office management and patient scheduling. Dental Imaging and Techniques includes a series of x-ray demonstrations and laboratory practice sessions for dental diagnostic purposes and radiographic charting procedures. Cognitive knowledge includes radiobiological effects and radiation protection. Students conclude on a supervised on-the-job learning experience designed to provide the opportunity to apply dental assisting competencies in a dental office. Student must provide own transportation as it meets outside of the high school transporting time.

[C] Electrical Technology

3 Trimesters (2 periods) • 3 Credits

Course #: 2557-789

Prerequisite: None

Grade: 11, 12

Site: KVCC Texas Township Campus

Students in this class are dually-enrolled and have the opportunity to earn both high school and college credit. Students must follow all requirements of a dual-enrollment program.

This course combines residential wiring theory and actual lab experience with applied electrical theory and practice. Students will also study the practical aspects of first aid and safety. Upon completion, students should have the knowledge and ability to wire a residence according to the National Electrical Code and be prepared to continue their post-secondary education and training.

[C] Emergency Medical Technology (EMT)

3 Trimesters (2 periods) • 3 Credits

Course #: 2558-789

Prerequisite: Students must meet minimum requirements defined in the KVCC Health packet (SAT scores, completion of physical, proof of immunizations, and successful drug screen and live Scan fingerprinting.)

Grade: 12

Site: KVCC Culinary/Allied Health Building

Students in this class are dually enrolled having the opportunity to earn both high school and 10 KVCC college credits. EMT consists of a sequence of KVCC courses and students must pass the prerequisite course with at least a 2.0 grade and/or pass the final exam (written and skill) to be eligible to move on to the next course.

Students begin the course by studying the topics and learning the skills necessary to make life saving interventions and stabilizing patients in an out of hospital environment while awaiting the arrival of more advanced care. Next, students focus on assessing both medical and traumatic patients and treating any condition that interferes with airway, breathing, and circulation, including some drug therapy. The EMT clinical experience concludes the experience by providing students with the opportunity to encounter the care of patients not only at the scene of an emergency, but during the transport and transfer of patients to higher levels of care. This clinical experience requires that EMTs serve as an EMS team member during emergency care for 10 patients utilizing a combination of Advanced Life Support and Emergency Room clinical time. Successful students are eligible for Michigan Department of Health and Human Services licensing as an MFR and also eligible for licensing as an EMT Basic.

Career and Technical Education (off-site)

Engineering in Wood Technology

[MAC] Visual, Performing & Applied Arts

3 Trimesters (2 periods) • 3 Credits

Course #: 2559-789

Prerequisite: None

Grades: 11, 12

Site: Portage Northern High School

Scheduling Note: May be elected for two years

This course provides hands-on experience in the production of furniture and cabinetry. Students will complete projects designed to develop skills in group production, project design/layout, frameless construction through the use of the 32m system, techniques in joinery machine maintenance and use, wood identification and properties, wood-turning, Computer Numerically Controlled mill/lathe programming and use, fixture design/ fabrication, and millwork. Second-year students will focus on advanced wood techniques that will incorporate the interests and the needs of area industries and the individual interest of the student.

Health Science

3 Trimesters 2 blocks • 3 Credits

Course #: 2562-789

Prerequisite: None

Grades: 11, 12

Site: KVCC Texas Township Campus

This course introduces the student to health care, with an emphasis on core skills and knowledge applicable to many professional health care disciplines. Anatomy and Physiology, Medical Terminology, and basic care skills are integrated through practical applications found in the health care setting. Students should enjoy working at a fast pace and be considering a healthcare career.

[C] Horticulture

3 Trimesters (2 periods) • 3 Credits

Course #: 25872, 25873

Prerequisite: None

Grades: 10, 11, 12

Site: Vicksburg High School

Do you like to grow plants? Want to try your hand at it? This year-long class allows students to explore plant biology and classification, plant nutrition, soil quality, water quality and many other plant-related questions. Projects include landscape design, experimenting with soil types, pest control, and managing all facets of an entrepreneurial spring plant sale to cap off the year. Students will discuss the horticulture and landscaping industry (greenhouse, ornamental horticulture, hydroponics, etc.) and its importance to our economy. Students work in the greenhouse, school garden, and local food forest, and grow plants for themselves and for sale.

[C] Heating, Ventilation, Air Conditioning, and Refrigeration

3 Trimesters (2 periods) • 3 Credits

Course #: 2561-789

Prerequisite: None

Grade: 11, 12

Site: KVCC Texas Township Campus

Students in this class are dually-enrolled and have the opportunity to earn both high school and college credit. Students must follow all requirements of a dual-enrolled program.

This course provides instruction and training in the areas of heating, ventilation, air conditioning, and refrigeration. The program includes training in the design, installation, and servicing of HV AC/R systems.

Law Enforcement I

3 Trimesters (2 periods) • 3 Credits

Course #: 2564-789

Prerequisite: None

Grades: 11, 12

Site: KVCC Texas Township Campus

This course is designed to introduce students to the many different careers available within the law enforcement field. The program emphasizes the knowledge, skills, and ethics needed to be a successful police academy recruit. Areas of study include criminal law, patrol, procedures, fire ground operations, first aid/CPR/AED training, defensive tactics, crime scene investigation, and oral and written communication skills. The program follows police academy standards including uniforms and chain of command.

Law Enforcement II

3 Trimesters (2 periods) • 3 Credits

Course #: 2565-789

Prerequisite: Law Enforcement I

Grade: 12

Site: KVCC Texas Township Campus

This course is designed for students to deepen their understanding of criminal procedures and improve upon their written and oral communication skills. Eligible students will intern with local public safety agencies during second semester, where they will apply the knowledge, skills, and ethics learned to real world situations.

[C] – College credit may be available

[MAC] MERIT ACADEMIC CREDIT

Students may earn academic credit towards the Michigan Merit Curriculum in the areas of mathematics, science, the arts, and language through specific Board-approved alternative path courses. Such courses are identified [MAC] throughout this section.

Career and Technical Education (off-site)

Mechatronics

3 Trimesters • 1.5 Credits

Course #: 2549-789

Prerequisite: None

Grades: 10, 11, 12

Site: Vicksburg High School

Electronics and mechanical components work together to make up complex systems from a car to a robot to automation lines. This course allows students to design, build, program, and troubleshoot a variety of systems using the principles of mechanics, electronics, and computer science. Students will learn about hydraulics/pneumatics, CAD/CAM, basic machining, and CNC.

Media Production

[MAC] Visual, Performing and Applied Arts

3 Trimesters (2 periods) • 3 Credits

Course #: 2576-789

Prerequisite: None

Grades: 11, 12

Site: Public Media Network, Epic Center

Scheduling Note: May be elected for two years

This course is ideal for students who want to learn how to create media content using visual, audio, graphic and storytelling production techniques for internet, podcasting, television, film, and radio. Students will gain work experience in such skills as video editing, audio production, video composition, graphic composition, effective communication, and more. This class provides students with the opportunity to enter local and national competitions as well as airing student work on Public Media Network stations.

Professional Health Science

3 Trimesters (2 periods) • 3 Credits

Course #: 1567-789

Prerequisites: Health Science and Teacher Recommendation

Grade: 12

Site: KVCC Texas Township Campus and local healthcare partnerships

Professional Health Science provides training and experience in the healthcare field. This is accomplished through internship experiences, as well as enrollment in advanced skill mini courses such as: phlebotomy, electrocardiography, patient care assistant, and exercise science/sports medicine. Students successfully completing CPR/AED and medical terminology instruction may receive articulated college credit. The program represents the most advanced level of study in the Health Science Program. Students applying to the program must meet specific achievement and performance prerequisites within Health Science before being admitted.

Teacher Academy

[MAC] Visual, Performing & Applied Arts

3 Trimesters (2 periods) • 3 Credits

Course #: 2569-789

Prerequisite: None

Grades: 11, 12

Site: KPS elementary or middle school for externship placement and Loy Norrix H.S. for course work

Scheduling Note: May be elected for two years

The teacher academy is designed to introduce students to various careers in the Education and Training Career Cluster. Students will gain yearlong hands-on experience working in a pre-kindergarten, elementary or middle school classroom four days per week. In addition, students will learn the necessary background knowledge of child development and principles of effective teaching through a hybrid program of learning which includes weekly online learning, class meetings, extended research projects, field trips, and interviews. Students work under the joint direction of an CTE instructor and a master teacher in their area of interest as they learn to plan and direct instruction for individuals and groups, develop materials, assist with record keeping and complete other responsibilities of teachers.

Veterinary Science

3 Trimesters (2 periods) • 3 Credits

Course #: 2570-789

Prerequisite: Biology

Grade: 12

Site: Vicksburg H.S. and local veterinary offices

During the first semester, students will learn skills in animal health and care, animal anatomy, restraint and handling, veterinary lab procedures, and parasitology. The second semester will combine continued classroom instruction with fieldwork in area veterinary clinics. This program will help prepare students for various jobs in the field of veterinary medicine. Interested students should have a strong background in science.

[C] Welding Trades

[MAC] Visual, Performing & Applied Arts

3 Trimesters (2 periods) • 3 Credits

Course #: 2571-789

Prerequisite: None

Grade: 12

Site: KVCC Texas Township Campus

Students are dually-enrolled and have the opportunity to earn both high school and college credit. Students will learn the most common welding processes used today. Content includes the basic safe operation of oxy-fuel welding, cutting and brazing systems along with training in basic electric arc welding processes, SMAW (arc), GMAW (mig), GTAW (tig), and FCAW in all positions. This includes safety and equipment setup, selection and operation. Blueprint reading, welding symbols and basic welder's trade math are included.

CTE: Work-Based Learning

Graduation credit for Work Experience Programs is limited to a total of three (3) credits.
Credit limited to one (1) Title Work Experience Program each semester.

Co-op participating students shall 1) be employed in a coordinator approved work setting; 2) work a minimum of 10-15 hours per week in class-related employment; 3) receive release time from school, school credit, on-the-job training, and pay; and 4) be evaluated every marking period by his/her employer.

Application required for the following program:

Cooperative Education (Co-op)

Grade 12 • 0.5 – 1.5 Credits

Course #: 2580-456

Cooperative Education is an opportunity for students to “earn while they learn.” Co-op is a method of instruction, through written cooperative arrangements between school and employers, providing students with an opportunity to extend their CTE preparation beyond the classroom. Students who have completed at least 50% of an CTE class can gain valuable work experience, while earning money and high school credit.

Non CTE Work-Based Learning

Non CTE Work-Based Learning

Grades 11, 12 • 0.5 – 1.0 Credits

Course #: 99801

Non CTE Work-Based Learning experiences allow students to refine their career goals through coursework consistent with their career interest area, contextual learning, and career preparation while meeting academic and technical standards. These experiences are sustained interactions with employers or community professionals in real workplace settings, to the extent practicable, or simulated environments at an educational institution that foster in-depth, firsthand engagement with the task required of a given career field, that are aligned to curriculum, instruction, and standards.

English

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

- English 9
- or Honors English 9

10th Grade

- English 10
- or Honors English 10

11th Grade

- English 11
- or Honors English 11
- or AP English: Language

12th Grade

- English 12
- or College English
- or AP English Literature or
- AP English Language or
- Advanced Journalism

Advanced Drama	0.5
Advanced Journalism	0.5
African-American Literature	0.5
AP English: Language & Composition	1.5
AP English: Literature & Composition	1.5
College English	1.0
Creative Writing	0.5
Debate	0.5
Drama	0.5
English 9	1.0
English 10	1.0
English 11	1.0
English 12	1.0
Forensics	1.0
Honors English 9	1.0
Honors English 10	1.0
Honors English 11	1.0
Journalism	0.5
Literacy Across the Content Areas	1.0
Literacy Essentials in the Secondary Classroom	1.5
Literature Through Films	0.5
Novels of Choice	0.5
Public Speaking	0.5
Slam Poetry	0.5
Strategic Reading	1.5
Yearbook	1.0

Any of the following English electives can be used towards fulfillment of the Visual, Performing, and Applied Arts credit required for graduation:

- Creative Writing
- Debate
- Drama and Advanced Drama
- Forensics
- Journalism and Advanced Journalism
- Literature through Films
- Public Speaking
- Slam Poetry: Writing and Performance
- Yearbook

9th Grade Required

Each 9th grader is required to choose one (1) of the following courses:

[R] English 9 A

[SBG] Applied

1 Trimester • 0.5 Credit

Course #: 3010-2

Prerequisite: None

This course is the first section of a two-trimester 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 foundations course in basic literary exploration, composition and language study, focusing particularly on writing process, reading process, academic vocabulary and poetic forms, and dramatic theory.

AND

[R] English 9 B

[SBG] Applied

1 Trimester • 0.5 Credit

Course #: 3010-3

Prerequisite: English 9 A

This course is the second section of a two-trimester 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 foundations 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

[SBG] Applied

1 Trimester • 0.5 Credit

Course #: 3012-2

Prerequisite: None

This course is the first section of a two-trimester 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

[SBG] Applied

1 Trimester • 0.5 Credit

Course #: 3012-3

Prerequisite: Honors English 9 A

This course is the second section of a two-trimester 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.

***Strategic Reading or Literacy Essentials in the Secondary Classroom is required for students reading below grade level as indicated by diagnostic assessments and is in addition to the required 9th and/or 10th grade English course. Students are placed into the appropriate course based on need.**

*Strategic Reading – Beginning Readers

3 Trimesters • 1.5 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.

*Literacy Essentials in the Secondary Classroom

1 Trimester • 0.5 Credit

Course #: 3002-456

Grade: 9th grade year

Scheduling Note: This course may be taken 1, 2, or 3 trimesters based on the student's independent reading level

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.

Literacy Across the Content Areas

2 Trimesters • 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.

10th Grade Required

[R] English 10 A

[SBG] Applied

1 Trimester • 0.5 Credit

Course #: 3020-2

Prerequisite: none

The goal of English 10 Section A is to continue to build a solid foundation of knowledge, skills, and strategies that will be refined, applied, and extended as students engage in more complex ideas, texts, and tasks. The students will analyze the role of self in relation to an equitable and just society. Students will be introduced to the various genres of classic and contemporary narrative texts. Tenth graders in Section A will analyze through critical interpretation and response.

AND

[R] English 10 B

[SBG] Applied

1 Trimester • 0.5 Credit

Course #: 3020-3

Prerequisite: English 10 A

The goal of Section B is to continue to build upon knowledge, skills, and strategies gained in English 10 A by applying, interpreting, and analyzing the role of self in relation to an equitable and just society. Tenth graders in Section B will be introduced to modern American literature through research and critical analysis of various texts and media sources.

Or students can elect the honors level of English 10 as described on the following page.

[R] = Required Course

Honors English 10 A

[SBG] Applied

1 Trimester • 0.5 Credit

Course #: 3022-2

Prerequisite: None

The goal of the rigorous, accelerated language arts course to continue to build a solid foundation of knowledge, skills, and strategies that will be refined, applied, and extended as students engage in more complex ideas, texts, and tasks. Students will be introduced to various genres within American Literature. Honors English 10 students will exhibit superior skills in various forms of reading, writing, and public speaking. This course is designed for students who have previously excelled in the area of English Language Arts. Students will be taught the MLA format.

AND

Honors English 10 B

[SBG] Applied

1 Trimester • 0.5 Credit

Course #: 3022-3

Prerequisite: Honors English 10 A

The goal of Honors English 10 Section B is continue to build upon knowledge, skills, and strategies gained in Section A by applying, interpreting, analyzing, and creating. In this rigorous, accelerated course the students will engage in more complex ideas, texts, and tasks through a close contextual reading of more Modern American Literature. This course is designed for students who have previously excelled in the area of English Language Arts.

11th Grade Required

[R] English 11 A

1 Trimester • 0.5 Credit

Course #: 3030-2

Prerequisite: None

English 11 A, a rigorous course, builds on the solid foundation from English 10 A and B. 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 and contemporary narrative and informational texts with a special emphasis on British and Post-Colonial literature. Formative and summative assessments include essays, performances, projects, and presentations.

[R] English 11 B

1 Trimester • 0.5 Credit

Course #: 3030-3

Prerequisite: English 11 A

English 11 B continues to build on the various genres of classic, contemporary narrative, and informational texts read and analyzed in English 11 A. 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 discussion through literature circles.

OR – Honors Level

Honors English 11 A

1 Trimester • 0.5 Credit

Course #: 3032-2

Prerequisite: None

Honors English 11 A, an accelerated course focusing on British and Post-Colonial literature, builds on the solid foundation from Honors English 10 A and B. 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, Shakespeare, and Blake. 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 Trimester • 0.5 Credit

Course #: 3032-3

Prerequisite: Honors English A

Honors English 11 B continues to build on the various genres of classic, contemporary narrative, and informational texts read and analyzed in Honors English 11 A. 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 include Orwell, Dangarembga, and Bellamy. Formative and summative assessments will include essays, performances, and presentations.

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

English

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 Trimester • 0.5 Credit

Course #: 3040-2

Prerequisite: English 11

Students will synthesize information, ideas, and themes to understand the past, the present, and to think innovatively about the future. They will demonstrate their acquired knowledge and skills in a senior project. Through the lens of Leadership Qualities, they will identify and apply their own leadership skills and prepare for responsible action as American citizens in the context of a global world by envisioning a new view of the world, determining when to take risks, and knowing when to stand up for what they believe to be right.

AND

English 12 B

1 Trimester • 0.5 Credit

Course #: 3040-3

Prerequisite: English 12 A

Students will continue to develop their leadership qualities in preparation for post-secondary education. Course components include studying a variety of texts, media types, transference of information in its many forms, organizing and evaluating resources, solving problems, working in groups, demonstrating an ability to use technology, and communicating ideas in verbal and written forms.

OR

College English A

1 Trimester • 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 Trimester • 0.5 Credit

Course #: 3042-3

Prerequisite: College English A

This is the second section of College English.

Advanced Placement [AP] Courses

[W]= Weighted Grade Value (see page 17)

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

[AP] [W] [C] Advanced Placement English: Language and Composition

3 Trimesters • 1.5 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

3 Trimesters • 1.5 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.

ELECTIVES

African-American Literature**1 Trimester • 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 Trimester • 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**[SBG] Applied****[MAC] Visual, Performing & Applied Arts****1 Trimester • 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 Trimester • 0.5 Credit****Course #: 3057-456****Prerequisite: Journalism**

Scheduling Note: May be elected for 1, 2, or 3 trimesters. A minimum of two consecutive trimesters 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 Trimester • 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 Trimester • 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.

Yearbook**[MAC] Visual, Performing & Applied Arts****3 Trimesters • 1.5 Credits****Course #: 1570-789**

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 extra-curricular activity for no credit. Check with your counselor.

Students participate in production of the school yearbook. Students are responsible for photography, layout, copywriting, advertising, and book sales.

Performance-Based Electives

Debate**[MAC] Visual, Performing & Applied Arts****1 Trimester • 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.

Performance English

Performance-Based Electives

Drama I – Acting for the Stage

[SBG] Applied

[MAC] Visual, Performing, and Applied Arts

1 Trimester • 0.5 Credit

Course #: 3052-1

Prerequisite: None

Note: Mandatory attendance for a theatrical performance will be required during the term of the class.

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, impromptu team, or working backstage for stage crew.

Drama II – Acting for the Stage

[MAC] Visual, Performing & Applied Arts

1 Trimester • 0.5 Credit

Course #: 3053-1

Prerequisite: Drama I

Note: Mandatory attendance for a theatrical performance is required during the term of the class.

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, musical, forensics, impromptu team, or working backstage for stage crew.

Advanced Drama A

1 Trimester • 0.5 Credit

Course #: 3054-4

Prerequisites: Drama I and II

Scheduling Note: It is recommended that these courses are taken sequentially for the purpose of developing ensemble.

Students will develop their acting skills in an intense classroom setting. Students will work on advancing their improv skills and developing ensemble. The actors will examine the script writing process and script selection while working to advance their auditioning and directing techniques. The first section of the course will culminate in a workshop or performance.

Advanced Drama B

1 Trimester • 0.5 Credit

Course #: 3054-5

Prerequisite: Advanced Drama A

This course is a continuation of Advanced Drama A with a concentrated focus on creating an audition portfolio, scene study, and finally, writing, directing, and acting in a final public performance piece.

Advanced Drama C

1 Trimester • 0.5 Credit

Course #: 3054-6

Prerequisite: Advanced Drama B

This course is a continuation of Advanced Drama B with a concentrated focus on creating an audition portfolio, scene study, and finally, writing, directing, and acting in a final public performance piece.

Forensics

[MAC] Visual, Performing & Applied Arts

1 Trimester • 0.5 Credit

Course #: 3055-1

Prerequisite: None

Scheduling Note: May be elected more than once

Students will master the techniques for competition in individual speaking events including humorous, dramatic and multiple reading, extemporaneous speaking, oratory, and informative speaking. Participation at local-level competitions is required.

Public Speaking

[MAC] Visual, Performing & Applied Arts

1 Trimester • 0.5 Credit

Course #: 3060-1

Prerequisite: None

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.

Slam Poetry: Writing and Performance

[MAC] Visual, Performing & Applied Arts

1 Trimester • 0.5 Credit

Course #: 3061-1

Prerequisite: None

Site: Kalamazoo Central High School

A course of study in advanced poetry writing, with an emphasis on oral interpretation. This class will teach students how 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.

English as a Second Language (ESL)

A maximum of one (1.0) English credit may be substituted by an ESL credit, with ESL taking the place of one required English course. Additional ESL courses may be used as elective credits.

Students may take ESL courses for one, two or three trimesters.

ESL - Introductory Level A

1 Trimester • 0.5 Credit

Course #: 3510-7

Prerequisite: Must have approval of the bilingual staff and Dean of Students

This is a course of intensive English language instruction designed for students who are dominant in a language other than English and who place at level 1 or 2 on the WIDA (the English Language Proficiency Assessment). Listening, speaking, reading, and writing skills are developed with an emphasis on listening and speaking.

ESL - Introductory Level B

1 Trimester • 0.5 Credit

Course #: 3510-8

Prerequisite: Approval of bilingual staff and Dean of Students

This course is a continuation of Introductory ESL A and continues to provide intensive English language instruction for students who are dominant in a language other than English and who place at level 1 or 2 on the WIDA (the English Language Proficiency Assessment). Students will continue to develop their listening, speaking, reading, and writing skills. Students begin to study literature, writing, and grammar with the support of a variety of strategies. The writing process is introduced.

ESL - Introductory Level C

1 Trimester • 0.5 Credit

Course #: 3510-9

Prerequisite: Approval of bilingual staff and Dean of Students

This course is a continuation of Introductory ESL B and focuses on intensive English language instruction for students who are dominant in a language other than English, and who place at level 1 or 2 on WIDA (the English Language Proficiency Assessment). Students continue to develop listening and speaking skills and study literature, writing, and grammar with the support of a variety of strategies. The writing process, including organizational skills, content, and mechanics is taught.

ESL - Intermediate

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

ESL - Intermediate Level A

1 Trimester • 0.5 Credit

Course #: 3520-7

Prerequisite: Approval of bilingual staff and Dean of Students

Students continue to strengthen their academic listening and speaking skills and begin to interpret and analyze different genres of literature. Students develop their analytical skills in order to complete narrative, descriptive, and expository writing.

ESL - Intermediate Level B

1 Trimester • 0.5 Credit

Course #: 3520-8

Prerequisite: Approval of bilingual staff and Dean of Students

Students continue to refine their academic listening and speaking skills and improve their abilities to interpret and analyze different genres of literature. Students further develop their analytical skills in order to complete narrative, descriptive, and expository writing.

ESL - Intermediate Level C

1 Trimester • 0.5 Credit

Course #: 3520-9

Prerequisite: Approval of bilingual staff and Dean of Students

Students continue to improve their abilities to interpret and analyze different genres of literature. Students further develop their analytical skills in order to complete narrative, descriptive, and expository writing. The emphasis is on academic writing, as well as projects, research, and oral presentations.

English as a Second Language (ESL)

ESL - Advanced - This course is designed for students who place at level 3 or 4 on the WIDA (the English Language Proficiency Assessment).

ESL - Advanced Level A

1 Trimester • 0.5 Credit

Course #: 3530-7

Prerequisite: Approval of bilingual staff and Dean of Students

Students continue to develop their academic vocabulary. A major objective is the study of literature, including drama, poetry, short stories, novels, and nonfiction. Students begin to analyze literature for voice, style, and author's point of view, and use multiple sources to extend writing.

ESL - Advanced Level B

1 Trimester • 0.5 Credit

Course #: 3530-8

Prerequisite: Approval of bilingual staff and Dean of Students

Students analyze literature for voice, style, and author's point of view and use multiple sources to extend writing. They are expected to complete analytical papers, expository essays, and research writing. The writing process, including organizational skills, style, mechanics, and content, is applied to all areas of student writing.

ESL - Advanced Level C

1 Trimester • 0.5 Credit

Course #: 3530-9

Prerequisite: Approval of bilingual staff and Dean of Students

Course components include studying a variety of texts, communicating ideas, and information in written and verbal forms, organizing resources, problem solving, participating in groups, following and giving directions, presenting a point of view, and using appropriate technology.

Communication Enrichment Skills (CES)

2 Trimesters • 1.0 Credit

Course #: 3502-45

Prerequisite: Must have approval of bilingual staff and Dean of Students

This course offers supplemental instruction to English language learners who need to move beyond ESL classes. It provides an emphasis on building content area skills. Students are introduced to learning strategies and study skills to help them experience academic success. The writing process, including organizational skills, style, mechanics, and content is applied to all areas of student writing. Students also learn strategies for becoming an effective speaker and complete a career exploration component.

Bilingual Academic Instructional Center

1 Trimester • 0.5 Credit

Course#: 3501-456

Prerequisite: Must have approval of bilingual Staff and Dean of Students

Scheduling Note: This course may be taken for up to three trimesters if approved.

This course is intended to provide the additional support that some English Language Learners (ELLs) need to perform successfully in content area classes. It is designed to help students improve their reading comprehension and fluency. It will provide individualized instruction and introduce learning strategies that will promote academic success. Instruction in reading and writing will be stressed. Coursework includes career and college exploration and the use of problem solving techniques. It is recommended that students who fall below a 2.0 GPA take this class.

English Language Development

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 address the simultaneous development of English proficiency and grade-level concepts and skills. English Language Development (ELD) is guided by WIDA ELS Standards Framework that is centered on equity and fosters the assets, contributions, and potential of multilingual learners.

ELD Literacy A

1 Trimester • 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 Trimester • 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 Literacy C

1 Trimester • 0.5 Credit

Course #: 354309

Prerequisite: Approval of Multilingual Learners staff and Dean of Students

This course is a continuation of ELD Literacy B. It is an advanced ELD course specially designed to further elevate the literacy skills of Multilingual Learners (MLs) while enhancing their English language proficiency. Building upon the foundational knowledge acquired in ELD Literacy A and B, 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

literacy and informational texts. Through intensive reading, critical analysis, writing, and communication activities, students will be well-prepared for success in higher education, career endeavors, and community engagement.

ELD Numeracy A

1 Trimester • 0.5 Credit

Course #: 354507

Prerequisite: Approval of Multilingual Learners staff and Dean of Students

This course is specifically designed to support Multilingual Learners (MLs) in developing fundamental mathematical skills while improving their English language proficiency. This course provides a supportive and inclusive environment where students can build a strong mathematical foundation, enhance their mathematical vocabulary, and develop problem-solving skills. Through interactive lessons and hands-on activities, MLs will gain confidence in mathematics and prepare for success in future academic endeavors and real-world situations.

ELD Numeracy B

1 Trimester • 0.5 Credit

Course #: 354508

Prerequisite: Approval of Multilingual Learners staff and Dean of Students

This course is a continuation of Numeracy A, specifically tailored to further support Multilingual Learners (MLs) in building advanced mathematical skills while enhancing their English language proficiency. This course is designed to provide a deeper understanding of mathematical concepts, problem-solving strategies, and the language of mathematics. Through interactive lessons, collaborative projects, and real-world applications, MLs will continue to develop their mathematical prowess and prepare for more advanced academic and career opportunities.

ELD Numeracy C

1 Trimester • 0.5 Credit

Course #: 354509

Prerequisite: Approval of Multilingual Learners staff and Dean of Students

This course is a continuation of Numeracy B, specially crafted to provide Multilingual Learners (MLs) with a deep and comprehensive understanding of advanced mathematical concepts. This course builds on the foundation laid in previous ELD math courses and focuses on equipping MLs with the skills needed for success in higher-level mathematics, academic pursuits, and career readiness. Through rigorous instruction, practical applications, and collaborative projects, MLs will develop their mathematical expertise while enhancing their English language proficiency.

English Language Development

ELD Science A

1 Trimester • 0.5 Credit

Course #: 354702

Prerequisite: Approval of Multilingual Learners staff and Dean of Students

This course is an introductory course tailored to support Multilingual Learners (MLs) as they embark on their scientific journey. This course provides a foundation in fundamental scientific concepts while simultaneously improving English language proficiency. Through hands-on experiments, engaging activities, and collaborative projects, MLs will explore the wonders of science and develop essential communication skills for success in academic and real-world contexts.

ELD Science B

1 Trimester • 0.5 Credit

Course #: 354703

Prerequisite: Approval of Multilingual Learners staff and Dean of Students

This course is a continuation of ELD Science A, tailored to support Multilingual Learners (MLs) as they deepen their understanding of scientific concepts while enhancing their English language proficiency. This course builds upon the foundational knowledge acquired in ELD Science A and focuses on preparing MLs for more advanced scientific studies, academic success, and STEM-related career pathways. Through hands-on experiments, scientific investigations, and collaborative projects, MLs will further develop their scientific expertise while strengthening their English language skills.

ELD Social Studies –United States History A

1 Trimester • 0.5 Credit

Course #: 3548022

Prerequisite: Approval of Multilingual Learners staff and Dean of Students

This course is tailored to Multilingual Learners (MLs) as they explore the rich tapestry of United States history. This course provides MLs with a unique opportunity to engage with important historical events, figures, and themes while simultaneously enhancing their English language proficiency. Through in-depth historical analysis, interactive discussions, research projects, and hands-on activities, students will develop a deeper understanding of US history and build the language skills necessary for academic success.

ELD Social Studies – United States History B

1 Trimester • 0.5 Credit

Course #: 3548023

Prerequisite: Approval of Multilingual Learners staff and Dean of Students

This course is a continuation of ELD Social Studies – United States History A, offering Multilingual Learners (MLs) the opportunity to delve deeper into the complexities of United States History. This course builds on the foundational knowledge acquired in ELD Social Studies – United States History A and continues to enhance MLs' English language proficiency while exploring key historical events, themes, and transformations in US history. Through in-depth analysis, critical thinking exercises, research projects, and engaging discussions, students will gain a comprehensive understanding of US history and further refine their language skills.

ELD Social Studies – World History A

1 Trimester • 0.5 Credit

Course #: 3548012

Prerequisite: Approval of Multilingual Learners staff and Dean of Students

This course is designed to engage Multilingual Learners (MLs) in a captivating exploration of the ancient and medieval world. This course offers MLs a unique opportunity to study the rich tapestry of human history while simultaneously enhancing their English language proficiency. Through in-depth historical analysis, interactive discussions, research projects, and hands-on activities, students will develop a deeper understanding of world history and strengthen their language skills for academic success.

ELD Social Studies – World History B

1 Trimester • 0.5 Credit

Course #: 3548013

Prerequisite: Approval of Multilingual Learners staff and Dean of Students

This course is a continuation of ELD Social Studies – World History A. This course is designed to engage Multilingual Learners (MLs) in an exploration of the modern world's history. Building upon the foundational knowledge acquired in ELD Social Studies – World History A, this course continues to enhance MLs' English language proficiency while examining significant global events, cultural shifts, and political transformations. Through in-depth historical analysis, critical thinking exercises, research projects, and interactive discussions, students will gain a comprehensive understanding of modern world history and further refine their language skills.

Family and Consumer Science

Consumer Education	0.5
Essential Living Skills	1.0
Family, Career and Community Leaders of America (FCCLA) Exploration	1.0
Food and Nutrition	0.5
Parenting	1.0

Consumer Education **1 Trimester • 0.5 Credit** **Course #: 4050-1**

Prerequisite: None

This course offers students an opportunity to meet the challenges of an independent life style. 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 Trimester • 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 Trimester • 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.

[MAC] MERIT ACADEMIC CREDIT

Students may earn academic credit towards the Michigan Merit Curriculum in the area of Visual, Performing, and Applied Arts through specific Board-approved alternative path courses. Such courses are identified **[MAC]** throughout this section.

Family, Career and Community Leaders of America (FCCLA) Exploration A **[MAC] Visual, Performing & Applied Arts** **1 Trimester • 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 Trimester • 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 Trimester • 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.

Family and Consumer Science

Parenting A

[MAC] Visual, Performing & Applied Arts

1 Trimester • 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 Trimester • 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 cardio pulmonary 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

Advanced Health		0.5
Agriscience: Animals and Plants	CTE	3.0
Dental Assisting	CTE	3.0
Emergency Medical Technician	CTE	3.0
Fundamentals of Health Science	CTE	3.0
Health: A Wellness Approach		0.5
Health Science	CTE	3.0
Professional Health Science	CTE	3.0
Veterinary Science	CTE	3.0

[R] Health: A Wellness Approach

[SBG] Applied

1 Trimester • 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.

Advanced Health

1 Trimester • 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.

Leadership

Link Crew Leadership

1 Trimester • 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.

Future Michigan Educator Course 3

1 Trimester • 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.

Mathematics

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 following required courses:

- Algebra I
- Geometry
- Algebra II

One additional math or math-related credit must be earned during the senior year.

AP Calculus	1.5
AP Precalculus	1.5
AP Statistics	1.5
Algebra I	1.0
Algebra II	1.0
Algebra II (Extended)	2.0
Discrete Mathematics	0.5
Geometry	1.0
Math Analysis	0.5
Mathematical Modeling	0.5
Personal Financial Literacy	0.5
Precalculus	1.0
Statistics and Probability	0.5
Strategic Mathematics	0.5

Math-Related Courses:

Accounting/Finance	CTE
AP Computer Science Principles	CTE
Art and Design Career Skills	CTE
Automotive Technology	CTE
Aviation Technology	CTE
Basic Marketing	CTE
Business Finance (.5)	CTE
Business Information Systems	CTE
Chemistry Foundations	
Computerized Manufacturing	CTE
Construction Trades	CTE
Culinary Arts	CTE
Drafting: General, Architectural or Mechanical	CTE
Electrical Technology	CTE
Electronics and Robotics	CTE
Furniture and Cabinetmaking	CTE
Heating, Ventilation, Air Conditioning, and Refrigeration	CTE
Honors Chemistry: Analytical	
Honors Chemistry: Organic	
Information Technology	CTE
International Business	CTE
Mechatronics	
Physics	CTE
Welding Trades	

Students whose mathematics proficiency is below grade level as indicated by 8th grade assessments will be recommended to take the course Strategic Mathematics in addition to the Algebra I course.

Strategic Mathematics

[SBG] Applied

1 Trimester • 0.5 Credit

Course #: 5001-456

Co-requisite: Algebra I

Scheduling Note: May be repeated each trimester 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

9th Grade Required

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 9A

[SBG] Applied

1 Trimester • 0.5 Credit

Course #: 5010-7

Prerequisite: None

This course provides students with an introduction to the fundamental skills and concepts of algebra, including problem solving, proportions, linear functions, and exponential functions. This course integrates 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, statistics, and probability.

AND

[R] Algebra I 9B

[SBG] Applied

1 Trimester • 0.5 Credit

Course #: 5010-8

Prerequisite: Algebra I 9A

This course provides students with a continuation of the fundamental skills and concepts of algebra, including quadratic functions, inequalities, absolute value, laws of exponents, and rational 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, statistics, and probability.

AND

[R] Algebra I 9C

[SBG] Applied

1 Trimester • 0.5 Credit

Course #: 5010-9

Prerequisite: Algebra I 9B

This course completes the fundamental skills and concepts of algebra, including quadratic functions, inequalities, absolute value, laws of exponents, and rational 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, statistics, and probability.

10th Grade Required

10th graders or incoming KPS freshmen who earned credit for Algebra I in middle school must take the following course:

[R] Geometry A

[SBG] Applied

1 Trimester • 0.5 Credit

Course #: 5020-2

Prerequisite: Algebra I 9B

This course will develop students' analytical and spatial reasoning while focusing on the first half of the essential concepts of geometry such as transformation of shapes, perimeter, formal proofs, coordinate-geometry, angles and measurement, congruency and similarity of triangles, and probability. Students learn to connect the concepts of geometry to real-world applications, technology, algebra, and other academic disciplines.

AND

[R] Geometry B

[SBG] Applied

1 Trimester • 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 area, volume, trigonometry, informal proofs, two- and three-dimensional geometric figures, and properties of circles, polygons, and assorted geometric concepts related to the geometry of the plane. Students will continue to learn to connect concepts of geometry to real-world applications, technology, algebra, and other academic disciplines.

[R] – Required course

[SBG] – Standards Based Grading

NOTE:

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

Mathematics

11th Grade Required

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

[R] Algebra II A

[SBG] Applied

1 Trimester • 0.5 Credit

Course #: 5030-2

Prerequisite: Geometry B

This course will further develop students' ability to reason algebraically by building upon Algebra I and Geometry concepts. Students will focus on the first half of the essential concepts in Algebra II such as the family of functions, including linear, exponential, and quadratic, along with sequences, transformations, logarithms, and inverses. Students will extend their learning to model and solve real-life situations involving technology and other academic disciplines.

AND

[R] Algebra II B

[SBG] Applied

1 Trimester • 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 – ALGEBRA II: Two-Year Option

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 (four trimesters), with a credit awarded for each of those two years. To accommodate a student opting to take Algebra II for an extended period of time, Algebra II A Part I and Algebra II A Part II taken in two trimesters is equivalent to Algebra II A taken in one trimester, and Algebra II B Part I and Algebra II B Part II taken in two trimesters is equivalent to Algebra II B taken in one trimester.*

Algebra II A Part I

[SBG] Applied

1 Trimester • 0.5 Credit

Course #: 5031-2

Prerequisite: Geometry B

This course will further develop students' ability to reason algebraically by building upon Algebra I and Geometry concepts. Students will focus on the first half of the essential concepts in Algebra II such as sequences and the family of functions, including linear and exponential. Students will extend their learning to model and solve real-life situations involving technology and other academic disciplines.

AND

Algebra II A Part II

[SBG] Applied

1 Trimester • 0.5 Credit

Course #: 5031-3

Prerequisite: Algebra II A Part I

This course will further develop students' ability to reason algebraically by building upon Algebra I and Geometry concepts. Students will focus on the first half of the essential concepts in Algebra II such as quadratic functions, transformations, logarithms, and inverses. Students will extend their learning to model and solve real-life situations involving technology and other academic disciplines.

Mathematics

12th Grade

Students opting to take Algebra II for an extended period of time, must complete the Algebra II course by passing the following trimester courses:

Algebra II B Part I

[SBG] Applied

1 Trimester • 0.5 Credit

Course #: 5032-2

Prerequisite: Algebra II A Part II

This course will continue to develop the 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, and conic sections. Students will continue to extend their learning to model and solve real-life situations involving technology and other academic disciplines.

AND

Algebra II B Part II

[SBG] Applied

1 Trimester • 0.5 Credit

Course #: 5032-3

Prerequisite: Algebra II B Part I

This course will continue to develop the 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 probability, counting, and inferential statistics. 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.

Math Electives

Discrete Mathematics

1 Trimester • 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 Trimester • 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 Trimester • 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.

Personal Financial Literacy

[MAC] Visual, Performing & Applied Arts

1 Trimester • 0.5 Credit

Course #: 5054-1

Prerequisite: Geometry B

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.

Mathematics

Precalculus A

1 Trimester • 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 theory and applications of both trigonometric functions and analytic trigonometry. Students will also extend their knowledge of univariate and bivariate statistical applications. Connections are made that allow students to model and solve real-world problems. Graphing calculators are highly utilized to meet this goal.

AND

Precalculus B

1 Trimester • 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 higher conceptual levels. The focus in this second half of the course involves conics, vectors, polar graphs in the Cartesian and Complex planes, parametric equations, and various discrete topics. Connections are made that allow students to model and solve real-world problems. Graphing calculators are highly utilized to meet this goal. Successful completion of Precalculus A and B fully prepares students for Calculus.

Statistics and Probability

1 Trimester • 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.

Advanced Placement Courses

Advanced Placement (AP) courses meet for a full year (three trimesters) 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 trimester. A packet with detailed course information is available in the principal's office.

[AP] [W] [C] AP Calculus AB

3 Trimesters • 1.5 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

3 Trimesters • 1.5 Credits

Course #: 50937, 50938, 50939

Prerequisite: Algebra IIB

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

3 Trimesters • 1.5 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.

[W] = Weighted Grade Value (see page 17)

[C] = College Credit Available - *Students can earn college credit by taking AP courses and passing the AP Exam.*

Music - Instrumental

INSTRUMENTAL MUSIC

Concert Band	0.5 - 1.0
Marching Band	0.5 - 1.0
Orchestra	0.5 - 1.5
Symphonic Band	0.5 - 1.0

Concert Band

1 Trimester • 0.5 Credit

Course #: 6050-45

Grades: 9,10,11,12

Prerequisite: Experience playing wind or percussion instrument

Scheduling Note: Offered 2nd and 3rd trimesters

This course may be repeated

Students will rehearse and perform a wide variety of wind band literature with specific emphasis on technical improvement and ensemble development. Performing at concerts is an integral part of this class. The Concert Band may perform at Michigan Schools Band and Orchestra Association (MSBOA) festival. Grading will be based on performance tests and on attendance and participation in class, at extra rehearsals, and at concerts.

Marching Band

[MAC] Physical Education Credit

1 Trimester • 0.5 Credit

Course #: 6051-1

Prerequisite: Experience playing wind or percussion instrument

Scheduling Note: Offered 1st trimester

This course may be repeated

Students will rehearse and perform a variety of music and learn related marching and maneuvering routines for performances. Grading will be based on performances tests along with attendance and participation in class and at extra rehearsals, concerts, festivals, football games, and competitions.

Orchestra

1 Trimester • 0.5 Credit

Course #: 6052-456

Prerequisite: Audition

Scheduling Note: This course may be repeated each trimester

Students will rehearse and perform a varied repertoire of string orchestra music. Students will perform in winter and spring concerts and at the All-City Concert. Students will develop an understanding of musical phrasing and nuance and learn how to compare and contrast different musical styles and genres.

Symphonic Band

1 Trimester • 0.5 Credit

Course#: 6053-45

Prerequisite: Audition

Scheduling Note: Offered 2nd and 3rd Trimesters

This course may be repeated

Participants will rehearse and perform a wide variety of significant and advanced wind band literature. Performing at concerts and Michigan Schools Band and Orchestra Association (MSBOA) festival is an integral part of this class. Grading will be based on performances tests and on attendance and participation in class, at extra rehearsals, and at concerts and festivals.

VOCAL MUSIC

Hawthorne Singers (K-Central)	1.5
Master Singers (Loy Norrix)	1.5
Men's Chorus	1.0
Mixed Chorus	1.0
Treble Chorus	1.0
Women's Honors Chorale	1.0

Hawthorne Singers

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

Hawthorne Singers

3 Trimesters • 1.5 Credits

Course #: 6054-789

Prerequisite: Audition

Site: Kalamazoo Central High School

Hawthorne Singers represents the most advanced choral group at Kalamazoo Central High School. This choral group is required to perform in various venues, both inside and outside of school. The Hawthorne Singers will perform in various festivals, concerts, and community events throughout the school year. Class structure includes daily sight-reading, warm-up, and rehearsal of a large quantity of quality choral literature from Jazz to classical. This ensemble is designed to run the entire school year, over all three trimesters.

Students interested in Hawthorne Singers must demonstrate their ability to the choir director by auditioning in the spring for the following school year.

Master Singers

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

Master Singers

3 Trimesters • 1.5 Credits

Course #: 6055-789

Prerequisite: Audition

Site: Loy Norrix High School

Master Singers represents the most advanced choral group at Loy Norrix High School. This choral group is required to perform in various venues, both inside and outside of school. The Master Singers will perform in various festivals, concerts, and community events throughout the school year. Class structure includes daily sight-reading, warm-up, and rehearsal of a large quantity of quality choral literature from Jazz to classical. This ensemble is designed to run the entire school year, over all three trimesters.

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 (Fall)

1 Trimester • 0.5 Credit

Course #: 6056-4

Prerequisite: None

This is a male and female 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. Students will participate in required performances that will be inside and outside of class. Students will attend Kalamazoo Public School's Fall Fest as a culminating musical event.

Mixed Chorus (Winter)

1 Trimester • 0.5 Credit

Course #: 6056-5

Prerequisite: None

Students will work on music literacy and developing familiarity with a variety of music representative of different styles, periods and cultures. This trimester will begin with work on a winter concert, and the remainder of the trimester will be spent in improving musical skills and abilities.

Advanced Mixed Chorus A (Fall)

1 Trimester • 0.5 Credit

Course #: 6057-4

Prerequisite: Previous choral experience

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. Students will participate in several extensive, required performances including a Broadway revue.

Advanced Mixed Chorus B (Winter)

1 Trimester • 0.5 Credit

Course #: 6057-5

Prerequisite: Previous choral experience

Students will work on music skills and abilities such as improving music reading and studying musical history and various styles of music. The beginning of this trimester will focus on a winter concert, and the remaining time will be used in creating a performance based timeline of musical works.

Advanced Mixed Chorus C (Spring)

1 Trimester • 0.5 Credit

Course #: 6057-6

Prerequisite: Previous choral experience

Students will develop advanced individual and ensemble skills by singing varied repertoire with appropriate expressive qualities and technical accuracy. Throughout the trimester, students will describe the connections among arts, other disciplines, and every day life through performance. Students will have required performances during and outside of the school day.

Treble Chorus

1 Trimester • 0.5 Credit

Course #: 6058-1

Prerequisite: None

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 Trimester • 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. Each student will prepare and present an individual paper of artist research for style periods discussed. Daily class work will consist of listening, analysis, group work, reading, research, and demonstration.

Women's Honors Chorale

The Honors Chorale is for women who have had previous choir experience. Students will participate in a comprehensive and performance based choral music education program designed to promote and develop individual and choral ensemble skills. It is expected that each student be prepared to perform in required performances in and out of school. The class structure and organization will emphasize the following: 1) sight reading 2) vocal warm up, quality vowel and tone production 3) rehearsal of performance literature and 4) music theory and literature.

Women's Honors Chorale (Winter)

1 Trimester • 0.5 Credit

Course #: 6059-2

Prerequisite: Audition

Site: Kalamazoo Central High School

Students will work in preparation for District Solo and Ensemble Festival in February and/or District Choral Festival, and South West Michigan Vocal Festival (SWMVF) in March.

Women's Honors Chorale (Spring)

1 Trimester • 0.5 Credit

Course #: 6059-3

Prerequisite: Audition

Site: Kalamazoo Central High School

Continuing the training from the winter trimester, women will prepare for State Solo and Ensemble and/or State Choral Festival, a spring concert, and a graduation performance.

Physical Education

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:

- Healthy Lifestyles Through Physical Activity
- Healthy Lifestyles Through Aquatics
- EFA: Beginning Dance Studio
- EFA: Intermediate Dance Studio
- Marching Band

Aquatics	0.5
Athletic Weightlifting and Training	0.5
Beginning Dance Studio	EFA
Conditioning I	0.5
Conditioning II	0.5
Conditioning III	0.5
Conditioning IV	0.5
Health Lifestyles Through Aquatics	0.5
Healthy Lifestyles - Physical Activity	0.5
Intermediate Dance	EFA
Recreational Sports	0.5
Recreational Team Sports	0.5

[R] Healthy Lifestyles Through Physical Activity

1 Trimester • 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 circuit fitness, weight training, net/wall games, target games, invasion, swimming, and dance. Students will develop a plan for maintenance of personal physical fitness.

OR

[R] Healthy Lifestyles Through Aquatics

1 Trimester • 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.

Aquatics

1 Trimester • 0.5 Credit

Course #: 6551-1

Prerequisite: Healthy Lifestyles Through Physical Activity or Healthy Lifestyles Through Aquatics

This course is designed to offer students opportunities to continue participation in health-related fitness activities (cardiovascular endurance, strength, flexibility and body composition) that focus on aquatics such as intermediate and advanced swimming skills, water polo, conditioning, and diving.

Athletic Weightlifting and Training

1 Trimester • 0.5 Credit

Course #: 6559-1

Prerequisite: Conditioning I or II

Note: This course may be taken for one, two, or three trimesters

This course is designed to give students the opportunity to learn weight training concepts in relation to the sport 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 course will provide both lecture and activity sessions. Students will be empowered to develop positive behaviors in fitness, wellness, and movement activity for a lifetime.

Physical Education

Students may elect each specific physical education course only once.

Conditioning I

1 Trimester • 0.5 Credit

Course #: 6553-1

This course is designed to offer students opportunities to continue participation in health-related fitness activities (cardiovascular endurance, strength, flexibility and body composition) such as strength training, circuit fitness, aerobics and jogging.

Conditioning II

1 Trimester • 0.5 Credit

Course #: 6555-1

Prerequisite: Athletic Conditioning/General Conditioning (former courses)/or Conditioning I

This course is designed to provide students and athletes with an opportunity to assess health-related physical fitness (cardiovascular, endurance, flexibility, strength training, speed, and agility). Activities include weight lifting and conditioning to improve speed, power, and explosion. Speed and agility will be used through various drills and activities including circuit training and aerobics. Students will keep a log on MBI, heart rate, and body fat.

Conditioning III

1 Trimester • 0.5 Credit

Course #: 6556-1

Prerequisite: Conditioning II

Fitness students and athletes will continue to assess health-related physical fitness (cardiovascular, endurance, flexibility, strength training, speed, and agility). Activities include weight training, circuit training, and aerobics.

Conditioning IV

1 Trimester • 0.5 Credit

Course #: 6557-1

Prerequisite: Conditioning III

Fitness students and athletes will continue to increase strength, speed, endurance, power, and explosion through weight lifting and various drills and activities including circuit and interval training.

Recreational Sports

1 Trimester • 0.5 Credit

Course #: 6554-1

Prerequisite: Healthy Lifestyles Through Physical Activity or Through Aquatics

This course is designed to offer students opportunities to participate in recreational sports that improve health-related fitness activities (cardiovascular endurance, strength, flexibility and body composition). Activities such as ultimate Frisbee, golf, disc golf, orienteering, tennis, badminton, and weight training are offered.

Recreational Team Sports

1 Trimester • 0.5 Credit

Course #: 6558-1

Prerequisite: Healthy Lifestyles Through Physical Activity or Healthy Lifestyles Through Aquatics

This course offers a variety of team sports including flag football, soccer, volleyball, basketball, softball, and other related team sports.

Science

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 one trimester in each of the following areas of science: Physical Science, Life Science, and Earth Science.

Physical Science Courses

Environmental Science A
Chemistry: Foundations
Honors Chemistry: Analytical
Honors Chemistry: Organic
Forensics Science A
Physics
AP Physics
AP Chemistry

AP Biology	1.5
AP Chemistry	1.5
AP Physics I	1.5
Astronomy	0.5
Biology	1.0
Chemistry	1.0
Earth Science	1.0
Environmental Science	1.0
Forensic Science	1.0
Geology	1.0
Honors Chemistry	1.0
Human Anatomy and Physiology	1.0
Physics	1.0

CTE Science-related Courses:

Agriscience: Animals and Plants
Automotive Technology
Aviation Technology
Aviation Technology II
Computerized Manufacturing
Conservation Biology
Construction Trades
Dental Assisting
Drafting (Architectural and Mechanical)
Electrical Technology
Emergency Medical Technician
Electronics and Robotics I
Fundamentals of Health Science
Furniture and Cabinetmaking
Health Science
Heating, Ventilation, Air Conditioning and Refrigeration
Veterinary Science
Welding Trades

Astronomy

1 Trimester • 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.

Life Science Courses

Biology
Human Anatomy and Physiology
Forensics Science B
AP Biology

Earth Science Courses

Environmental Science B
Astronomy
Earth Science
Geology A
Geology B

Biology A

[SBG] Applied

1 Trimester • 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 B

[SBG] Applied

1 Trimester • 0.5 Credit

Course #: 7010-5

Prerequisite: None

This course will enable students to understand key life science principles including cell theory and function, organic molecules, and organization of living things. This is a laboratory and hands-on course that requires extensive writing, teamwork, and use of technology.

Chemistry: Foundations

[SBG] Applied

1 Trimester • 0.5 Credit

Course #: 7020-1

Prerequisite: Biology A

This course will introduce students to common chemistry concepts that relate to their daily life. These topics include: the structure of commonly found chemicals, how chemicals react to one another, and how to engineer new substances. Students will participate in a variety of laboratory-based activities to explore the chemistry concepts and activities related to careers in this field.

Science

Honors Chemistry: Analytical
[MAC] 4th Related Mathematics Credit
1 Trimester • 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 Trimester • 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.

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 Trimester • 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 Trimester • 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 A
1 Trimester • 0.5 Credit
Course #: 7052-2
Prerequisite: None

This course is the first section of a two-trimester science course for all ninth grade students. This course is required for all 9th grade students in their first year of high school. Environmental Science A is an integrated course that focuses primarily on physical science concepts, their relationship to the environment, and how understanding of the concepts can help humans make informed decisions. Topics include energy transfer, structure and properties of matter, and chemical reactions.

AND

Environmental Science B
1 Trimester • 0.5 Credit
Course #: 7052-3
Prerequisite: None

This course is the second section of a two-trimester science course for all ninth grade students. This course is required for all 9th grade students in their first year of high school. Environmental Science B is an integrated course that focuses primarily on Earth Science concepts, their relationship to the environment, and how understanding the concepts can help humans make informed decisions. Topics will include weather and climate, Earth's systems, and human sustainability.

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 Trimester • 0.5 Credit
Course #: 7053-4
Prerequisite: None

Students will study the use of Forensic Science in criminal cases, types of forensic evidence, fingerprinting, hair and fiber analysis, toxicology, glass analysis, and document analysis.

Forensic Science B
1 Trimester • 0.5 Credit
Course #: 7053-5
Prerequisite: Biology A and Biology B

Students will study the analysis of blood typing, blood spatter patterns, DNA, forensic anthropology, firearms and ballistics, and footprints and tool-marks.

Geology A

1 Trimester • 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.

Geology B

1 Trimester • 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 Trimester • 0.5 Credit

Course #: 7061-2

Prerequisites: None

This course is designed for those students planning a career in the health care 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 Trimester • 0.5 Credit

Course #: 7061-3

Prerequisite: Human Anatomy and Physiology A

In this second section of a two-trimester course, students will study the cardiovascular system, respiratory system, digestive system, nervous system, and the urinary system.

Physics A

[SBG] Applied

[MAC] 4th Related Mathematics Credit

1 Trimester • 0.5 Credit

Course #: 7030-2

Prerequisite: Geometry B

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

[SBG] Applied

[MAC] 4th Related Mathematics Credit

1 Trimester • 0.5 Credit

Course #: 7030-3

Prerequisite: Physics A

This course is a follow-up to Physics A. This course will cover heat, light, sound, electricity, and nuclear physics. This is a laboratory course which relies heavily on problem solving.

Advanced Placement Courses

[W] = Weighted Grade Value (see page 17)

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

[AP] [W] [C] Advanced Placement Biology **3 Trimesters • 1.5 Credits**

Course #: 7091-789

Prerequisites: Biology A and Biology B

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 **3 Trimesters • 1.5 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 **3 Trimesters • 1.5 Credits**

Course #: 7093-789

Prerequisite: Physics B and Algebra II B
4th Related Mathematics Credit

This course is designed to be equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. Students will develop deep understanding of the content, apply knowledge through inquiry labs, 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.

Social Studies

Four (4.0) credits are required for graduation:

Students are required to earn four (4.0) social studies credits to meet the graduation requirement. Included in the four 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 80-83.

African American Studies	1.0
African World Studies	0.5
American Military History	0.5
Anthropology	0.5
AP European History	1.5
AP Psychology	1.5
AP Comparative Government & Politics	1.5
AP U.S. Government & Politics	1.5
AP United States History	1.5
AP World History	1.5
Current Events (Today's Events, Tomorrow's History)	0.5
Economics	0.5
Government and Politics: United States	0.5
Law I	0.5
Law II	0.5
Psychology	0.5
Sociology	0.5
The Turbulent Years: History of the 1980's to 2008	0.5
United States History	1.0
Women's Studies	0.5
World History	1.0

[R] World History A
[SBG] Applied
1 Trimester • 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 World Revolutions. 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

[SBG] Applied
1 Trimester • 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 World in Conflict and end with Current Issues. 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

[SBG] Applied
1 Trimester • 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

[SBG] Applied
1 Trimester • 0.5 Credit
Course #: 8020-3

Prerequisite: United States History A

During the second trimester, 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.

Social Studies

11th Grade Required

Each 11th grader is required to select a United States Government course:

[R] Government and Politics: United States A
1 Trimester • 0.5 Credit

Course #: 8030-2

Prerequisite: Recommended – United States History B
Government and Politics: United States A emphasizes national, state, and local government with units pertaining to foundations, history, Constitution, legislative branch, Congress, powers in action, executive branch, President, bureaucracy, financing government, foreign policy, and national defense.

AND

[R] Government and Politics: United States B
1 Trimester • 0.5 Credit

Course #: 8030-3

Prerequisite: Government & Politics: United States A
Government and Politics: United States B emphasizes national, state, and local government with units of study pertaining to the judicial branch, courts, civil liberties/civil rights, political behaviors, political parties, voting, electoral process, comparative governments system, and state and local governments. Students prepare for active citizen participation. The course includes a service learning component.

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

[AP] [W] [C] Advanced Placement United States Government and Politics

[R] Economics
1 Trimester • 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 function and how to apply the concepts and principles of economics to their lives as individuals and citizens.

Social Studies Electives

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 below and on pages 85 and 86.

African American Studies A
[MAC] Visual, Performing & Applied Arts
1 Trimester • 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 will begin 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 Trimester • 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.

Social Studies

African World Studies

1 Trimester • 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 Trimester • 0.5 Credit

Course #: 8051-1

Prerequisite: None

Students will examine selected subjects in American military history on a rotating yearly basis. Subjects include: "American Military History 1776 to Present: A Survey," "The Second World War," "The Era of Limited War and Peacekeeping 1950 to Present," and "The Development of American Military Power 1903 to Present". The role of women and minorities will be studied.

Anthropology

1 Trimester • 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.

Current Events (Today's Events, Tomorrow's History)

1 Trimester • 0.5 Credit

Course #: 8053-1

Prerequisite: None

15 hours of service learning required

Students will become actively involved in their school and community as they investigate global issues facing the world. Units include: Preparing to Participate, The Environment, Human Rights and Responsibilities, The Global Economy, International Cooperation and Conflict, and Issue Investigation and Action Plan determined by current global activity.

Law I

1 Trimester • 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.

[R] – Required Course

[AP] – Advanced Placement

[W] – Weighted Grade Points

[C] – Eligible for college credit by passing the AP Exam

Law II

1 Trimester • 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 Trimester • 0.5 Credit

Course #: 8055-1

Prerequisite: None

Students will gain insight into the scientific study of human behavior. Personal problems of adjustment and problems related to society are analyzed so that students can approach these problems with increasing objectivity.

Sociology

1 Trimester • 0.5 Credit

Course #: 8056-1

Prerequisite: None

Students will explore how to handle problems in our society. Topics include the analysis of cultures as they influence human behavior. Students also study problems in modern society.

The Turbulent Years:

History of the 1980's to 2008

1 Trimester • 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 1980's to 2008. Students will work individually and cooperatively to trace cause and effect relationships, past and present, and how these events may impact us.

Women's Studies

1 Trimester • 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

Advanced Placement Social Studies Courses

[AP] [W] [C] Advanced Placement World History 3 Trimesters • 1.5 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] Advanced Placement United States History 3 Trimesters • 1.5 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 United States Government and Politics 3 Trimesters • 1.5 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 Psychology 3 Trimester • 1.5 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 European History 3 Trimesters • 1.5 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 understanding 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 Comparative Government and Politics

3 Trimesters • 1.5 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 African American Studies 3 Trimesters • 1.5 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.

Virtual Learning Program

The electives listed below are offered through the KPS Virtual Learning Program only.

Digital Imaging

ELECTIVE • 1 Trimester • 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.

Biotechnology A

1 Trimester • 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 Trimester • 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!

Engineering and Technology

1 Trimester • 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 Trimester • 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.

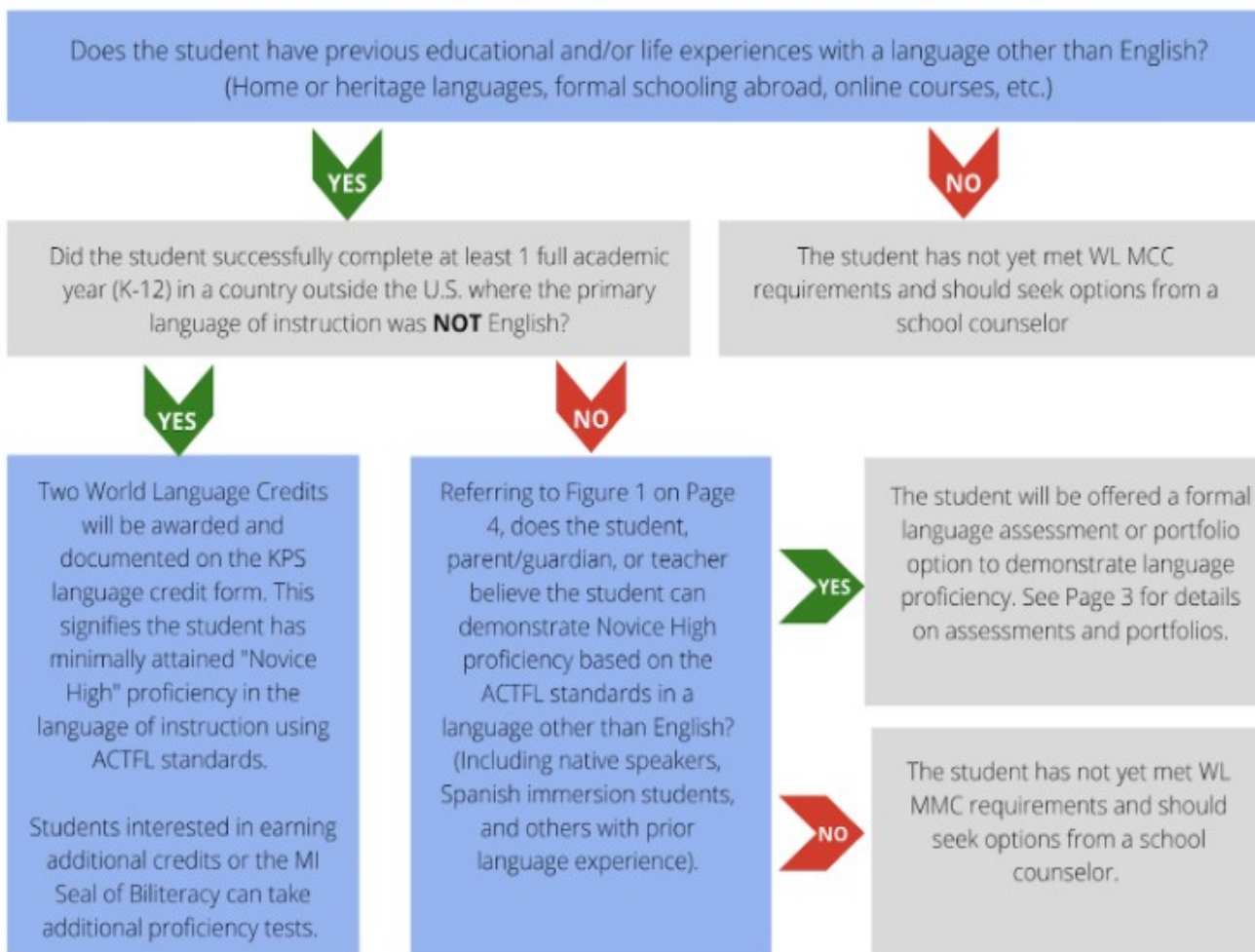
World Languages

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.

Kalamazoo Public Schools

How to Earn World Language Credits



World Languages

Chinese I	1.5
Chinese II	1.5
Chinese III	1.5
French I	1.0
French II	1.0
French III	1.5
AP French Language and Culture	1.5
Latin I	1.0
Latin II	1.0
Latin III	1.5
AP Latin	1.5
Spanish I	1.0
Spanish II	1.0
Spanish III	1.5
AP Spanish Language and Culture	1.5

Chinese

Chinese I A

1 Trimester • 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 the communicative skills. Technology is used to reinforce learning.

Chinese I B

1 Trimester • 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 I C

1 Trimester • 0.5 Credit

Course #: 9051-9

Prerequisite: Chinese I B

Chinese I C completes the Chinese Level I course. It deepens focus on the essential elements of Chinese and the cultures of the Chinese-speaking world. Students will further develop oral, reading, and written communication skills for a variety of audiences. Technology is used to reinforce learning. This whole language learning will lead students to achieve a beginning level of communication competence in Chinese.

Chinese II A

1 Trimester • 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 Trimester • 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 II C

1 Trimester • 0.5 Credit

Course #: 9052-9

Prerequisite: Chinese II B

Chinese II C completes the Chinese Level II course. It deepens focus on the essential elements of Chinese and the cultures of the Chinese-speaking world. Students will further develop oral, reading, and written communication skills for a variety of audiences. Technology is used to reinforce learning. This whole language learning will lead students to achieve communication competence in Chinese.

Chinese III A

1 Trimester • 0.5 Credit

Course #: 9053-7

Prerequisite: Chinese II C

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 Trimester • 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

Chinese III C

1 Trimester • 0.5 Credit

Course #: 9053-9

Prerequisite: Chinese III B

Chinese III C completes the Chinese Level III course. It deepens focus on the essential elements of Chinese and the cultures of the Chinese-speaking world. Students will further develop oral, reading, and written communication skills for a variety of audiences. Technology is used to reinforce learning. This whole language learning will lead students to achieve communication competence in Chinese.

French

French I A

1 Trimester • 0.5 Credit

Course #: 9021-2

Prerequisite: None

French I 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 Trimester • 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 Trimester • 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 Trimester • 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 Trimester • 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 Trimester • 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.

AND

French III C

1 Trimester • 0.5 Credit

Course #: 9023-9

Prerequisite: French III B

French III C is recommended for students wishing to continue their French studies in preparation for the Advanced Placement (AP) French course. It 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.

Latin

Latin I A

1 Trimester • 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.

World Languages

Latin

Latin I B

1 Trimester • 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, 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 II A

1 Trimester • 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 Trimester • 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 Trimester • 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 Trimester • 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.

Latin III C

1 Trimester • 0.5 Credit

Course #: 9043-9

Prerequisite: Latin III B

Site: Loy Norrix High School

Latin III C is recommended for students wishing to continue their Latin studies in preparation for the Advanced Placement (AP) Latin course. It continues to focus on further development of competence in reading Latin with more complex grammatical structure.

Spanish

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 Trimester • 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 Trimester • 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 Trimester • 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 Trimester • 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.

World Languages

Advanced Placement Courses

Spanish III A

1 Trimester • 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 Trimester • 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.

Spanish III C

1 Trimester • 0.5 Credit

Course #: 9013-9

Prerequisite: Spanish III B

Spanish III C is recommended for students wishing to continue their Spanish studies in preparation for the Advanced Placement (AP) Spanish course. It focuses on various topics with an emphasis on the practical use of the language. Students continue to use language structures with increasing accuracy and combine learned material in new ways to express their thoughts. A component is the use of Spanish beyond the classroom.

[W] = Weighted Grade Value (see page 17)

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

[AP] [W] [C] Advanced Placement French Language and Culture

3 Trimesters • 1.5 Credits

Course #: 9092-789

Prerequisite: French III C

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

3 Trimesters • 1.5 Credits

Course #: 9094-789

Prerequisite: Latin III C

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

3 Trimesters • 1.5 Credits

Course #: 9091-789

Prerequisite: Spanish III C

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 trimester.

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 17 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.

Credit Retrieval

Students are required to pass all core academic courses. Students who do not successfully pass a course (required for 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).

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 learning 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 registration process prior the first day of school, and 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 are 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 for 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. Grades may be transferred to the high school transcript upon request. Failure to provide an OFFICIAL copy of the grades will result in denial of future dual enrollment requests.

Important

1. Students need to re-apply 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 the time a dual enrollment class meets and transportation to and from it, falls within the restraints 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 classes taken at a Community College. The reimbursement amount is determined by a formula established by the Michigan Department of Education and will vary depending upon 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

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 42.

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 46 of this Bulletin of Courses.

Edmentum Courseware

Students have an opportunity to make up credit through Courseware, a computerized credit recovery system. Please see Credit Retrieval on page 31 and courses on page 41 for additional information.

PowerSchool

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

Homework Standards

Homework is a critical component to 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 OSAT and a timed impromptu writing activity. Students attending the KAMSC should check with their counselor about deviations from the graduation requirements.

Online Learning Options

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

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 any place 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 a 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.

****Fulfills the MDE online learning requirement and exemption from the College and Career Readiness course (page 29).**

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.

**** Fulfills the MDE online learning requirement and exemption from the College and Career Readiness course.**

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.

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.

Standards-based Grading

Standards-based grading is a systematic approach to the evaluation of a student's performance related to specific standards that have been identified for a course.

Each SBG course measures the same standards. Life Skills are assessed, but not calculated with the content grade. These appear as part of a separate grade for each course. Grades are calculated on a continuum throughout the course. Homework is included in the content grade. This inclusion supports the importance the district places on homework as an extension of valuable classroom instruction. The traditional grading scale is used for all Standards-Based courses.

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, or 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 18 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 to Content Standards that support and enhance your curriculum content.	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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 that 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 life-long 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.	<ul style="list-style-type: none"> • 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 Web sites 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 with other students.	<ul style="list-style-type: none"> • 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.	<ul style="list-style-type: none"> • 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 processor, Web browser, search engine software, calendar tools, groupware, or graphical and multimedia programs for presentations.

High School Online Course or Learning Experience

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 93 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 on 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 Student's 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 which teach computers, mathematics, the arts, or science concepts and skills.

Listed by Course Title		
Course	Department Page #	Merit Credit
Accounting B	Business Ed. pg. 33	4 th Related Math 3 rd Science 2 nd World Language
Agriscience	CTE pg. 51	3 rd Science Credit 2 nd World Language
AP Computer Science Principles	CTE pg 51	4 th Related Math 3 rd Science
Art and Design Career Skills	CTE pg 48	Visual, Performing and Applied Arts 4 th Related Math 3 rd Science 2 nd World Language
Automotive Technology	CTE pg. 48	4 th Related Math 3 rd Science 2 nd World Language
Aviation Technology I & II	CTE pg. 51	4 th Related Math 3 rd Science 2 nd World Language
Basic Marketing	Business Ed. pg. 35	Visual, Performing and Applied Arts 4 th Related Math 2 nd World Language
Business Finance	Business Ed. pg. 34	4 th Related Math (0.5) 2 nd World Language (0.5)
Business Information Systems	Business Ed. pg. 34	Visual, Performing and Applied Arts 4 th Related Math 2 nd World Language
Business Law	Business Ed. pg. 34	2 nd World Language (0.5)
Computerized Manufacturing	CTE pg. 52	Visual, Performing and Applied Arts 4 th Related Math 3 rd Science 2 nd World Language
Conservation Biology	CTE pg. 52	3 rd Science 2 nd World Language
Construction Trades	CTE pg. 49	Visual, Performing and Applied Arts 4 th Related Math 3 rd Science 2 nd World Language
Cosmetology/Barbering	CTE pg. 52	Visual, Performing and Applied Arts 2 nd World Language 3 rd Science
Culinary Arts	CTE pg. 53	Visual, Performing and Applied Arts 4 th Related Math 3 rd Science 2 nd World Language
Dental Assisting	CTE pg. 53	3 rd Science 2 nd World Language

Merit Academic Credit (MAC)

Listed by Course Title		
Course	Department Page #	Merit Credit
Electrical Technology	CTE pg. 53	4 th Related Math 3 rd Science 2 nd World Language
Electronics and Robotics	CTE pg. 49	Visual, Performing and Applied Arts 4 th Related Math 3 rd Science 2 nd World Language
Emergency Medical Technician	CTE pg. 53	3 rd Science 2 nd World Language
Engineering in Wood Technology	CTE pg. 54	Visual, Performing and Applied Arts 4 th Related Math 3 rd Science 2 nd World Language
Film and Video Arts	EFA pg. 44	2 nd World Language
Food and Nutrition	Consumer Sci pg. 67	Visual, Performing and Applied Arts .5 2 nd World Language
Health Science	CTE pg. 54	3 rd Science 2 nd World Language
Heating, Ventilation, Air Conditioning and Refrigeration	CTE pg. 54	4 th Related Math 3 rd Science 2 nd World Language
Horticulture	CTE pg. 54	3 rd Science Credit 2 nd World Language
International Business	CTE Business pg. 34	4 th Related Math (0.5) 2 nd World Language (0.5)
Law Enforcement I	CTE pg. 54	2 nd World Language 3 rd Science
Marketing, Entrepreneurship, and Career Plan	CTE Business pg. 35	2 nd World Language
Mechatronics	CTE pg. 55	4 th Related Math 3 rd Science
Parenting	Consumer Sci pg. 68	Visual, Performing and Applied Arts 2 nd World Language
Professional Health Science	CTE pg. 55	2 nd World Language
School Store (Maroon Shop)	CTE Business pg. 35	2 nd World Language (0.5)
Sports and Entertainment Management	CTE Business pg. 35	2 nd World Language (0.5)
Teacher Academy	CTE pg. 55	Visual, Performing and Applied Arts 2 nd World Language 3 rd Science
Veterinary Science	CTE pg. 55	3 rd Science 2 nd World Language
Welding Trades	CTE pg. 55	Visual, Performing and Applied Arts 4 th Related Math 3 rd Science 2 nd World Language

SCIENCE CREDIT

Completion of any CTE state-approved program (regardless of content) fulfills 3rd Science Requirement.

SENIOR MATH

Fulfills 4th Math/Math-related Requirement

- Accounting
- AP Computer Science Principles
- Art and Design Career Skills
- Automotive Technology
- Aviation Technology
- Basic Marketing
- Business Finance (.5)
- Business Information Systems
- Chemistry
- Computerized Manufacturing
- Construction Trades
- Culinary Arts
- Drafting (Architectural and Mechanical)
- Electrical Technology
- Electronics and Robotics
- Engineering in Wood Technology
- Heating/Air Conditioning/Refrigeration
- International Business (.5)
- Mechatronics
- Physics
- Welding Trades

VISUAL, PERFORMING AND APPLIED ARTS (VPAA)

Fulfills VPAA Requirement

- Art and Design Career Skills
- Basic Marketing
- Business Information Systems
- Computerized Manufacturing
- Construction Trades
- Cosmetology/Babering
- Culinary Arts
- Drafting
- Electronics and Robotics
- Engineering in Wood Technology
- Food and Nutrition
- Parenting
- Teacher Academy
- Welding Trades

WORLD LANGUAGE CREDIT

Any Visual, Performing, or Applied Art, EFA course or CTE course can be used to fulfill the 2nd World Language credit requirement.