GULL LAKE HIGH SCHOOL

COURSE CURRICULUM GUIDE

2025-2026

7753 North 34th Street
Richland, MI 49083
Ph: 269-548-3500
Fax: 269-548-3501
www.gulllakecs.org

Gull Lake High School

Students and Parents,

The selection of an academic program is an extremely important process in a student's school career. We have found that careful planning by students and parents, linked with knowledgeable guidance from counselors and teachers, have a positive effect upon academic success.

This course curriculum guide is designed to serve as a guide to planning individual programs of study at Gull Lake High School. All students will create an Educational Development Plan (EDP) based on his or her career cluster. Educational Development Plans will be reviewed and updated annually.

We strongly encourage the continued involvement of parents in the process of academic planning for each school year. The best choices are made by students and parents who have read this information carefully. Each academic plan should take into consideration the graduation requirements and a student's interests, abilities, and aspirations.

Best wishes for a successful school year!!

GLHS Administrators, Counselors, and Teachers

Mr. Don Eastman, Principal
Ms. Kristie Poulson, Assistant Principal
Mr. Matt Streitel, Dean of Students

Mrs. Diana Kwiatkowski, Counselor, Last Name Beginning With A-G All Grades
Mrs. Katie Soule, Counselor, Last Name Beginning With H-O All Grades
Mrs. Jennifer Champion, Counselor, Last Name Beginning With P-Z All Grades

Mrs. Tammy Geik, Special Education Teacher Consultant
Mrs. Theresa DeYoung, Social Worker

The mission of

Gull Lake Community Schools

is to educate every child

to achieve his/her full potential.

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Senior Checklist:

- ❑ Check to make sure you have all the credits necessary for graduation and you are enrolled in the correct courses for graduation.
- ❑ Continue to improve your academic grades and overall grade point average.
- ❑ Enroll in classes that are academically challenging and will prepare you for your career path.
- ❑ Discuss post-secondary plans with your parents, counselors, and teachers.
- ❑ Obtain and complete applications for two-year schools, four-year schools, and technical institutes.
- ❑ Complete the Student Information Sheet to request letters of recommendation.
- ❑ Request your transcript(s) for scholarship and college applications using Parchment.com.
- ❑ Retake the ACT/SAT, if necessary, or take a college placement test to improve your college admissions test scores. Request your official scores be sent to colleges/universities.
- ❑ Check all available sources for scholarships. These would include the Gull Lake and Kalamazoo Foundation websites, website searches, individual college websites, and the GLHS Guidance web page.
- ❑ Complete financial aid forms. FAFSA is open for students and parents to fill out on January 1st if applicable. CSS Profile should be completed by April 1st.
- ❑ Attend a financial aid information night and a FAFSA completion workshop.
- ❑ Take the ASVAB assessment, if interested in military options.
- ❑ Register for A.P. Exams and request that your AP scores be sent to your intended college.

Junior Checklist:

- ❑ Continue to discuss your career goals, your EDP, and course selections with your counselor, parents, and teachers.
- ❑ Review your transcript, credits needed for graduation and GPA. Continue to improve your academic performance.
- ❑ Continue to explore your career and post-secondary opportunities.
- ❑ Meet with visiting representatives at GLHS from colleges, military, and technical training institutes.
- ❑ Attend area college fairs and financial aid informational events.
- ❑ Plan for spring and summer college campus visits.
- ❑ Do your best on the PSAT/NMSQT in the fall of your junior year.
- ❑ Stay involved in extracurricular and volunteer activities. These experiences are viewed favorably by employers and colleges.
- ❑ Start a file or folder pertaining to post-secondary options that you would like to explore.
- ❑ Enroll in the Test Prep Course at GLHS to prepare for the SAT during the spring of your junior year.

  A college admission test score is required by nearly all colleges and universities for admission and placement into college level courses.
- ❑ Begin exploring financial aid and scholarship opportunities. Complete an online scholarship search.
- ❑ Explore CTE, EFA, Dual Enrollment, GL Virtual, and Co-Op options.
- ❑ Register for AP Exams.
- ❑ Utilize Xello (formerly Career Cruising) to document academic achievements, volunteerism, extra-curricular and work experiences.
- ❑ Take the ASVAB assessment, if interested in military options.

Sophomore Checklist:

- ❑ Continue to attend to your studies so you have the highest GPA possible and continue to monitor your grades through StudentVue.
- ❑ Remember the importance of being a well-rounded individual. Work toward leadership positions in the activities that you like best, become involved in community service and/or other volunteer activities, and investigate summer educational programs, volunteer activities, or enrichment opportunities.
- ❑ Review and update your EDP and course selections to reflect your career path. Continue to develop and update your Xello (formerly Career Cruising) assessments and plans.
- ❑ Select challenging courses that will prepare you for future career options. If interested, explore CTE, EFA, and Advanced Placement course offerings. Explore elective and enrichment classes as well.
- ❑ If you are interested in dual enrollment or Co-op during the junior year you should meet with your counselor.

  If you are interested in participating in Early College, you must attend an informational meeting and submit the Early College application prior to the first day of your junior year.
- ❑ Begin thinking about post-secondary education and training opportunities (community college, university, military, technical, on-the-job) needed for your career of interest through on-site visits, websites, college nights and career fairs.
- ❑ Take the ASVAB assessment, if interested in military options.

Freshman Checklist:

- ❒ Explore the various career pathways and design your high school Educational Development Plan. Explore future options for CTE, EFA, Early College, and dual enrollment.
- ❒ Participate in career exploration activities. Discuss possible careers and post-secondary education and training with your teachers, counselors, and parents.
- ❒ Make sure you are enrolled in courses that prepare you to meet your future plans.
- ❒ Participate in extracurricular activities (school and non-school sponsored) including volunteer and community service programs.
- ❒ You will begin developing your high school transcript. Your transcript is an official record of the classes that you enroll in, the grades that you receive, and your grade point average. Colleges and universities, as well as future employers, will be interested in this information.
- ❒ Attend to your studies so you have the highest GPA possible and continue to monitor your grades through StudentVue. Seek additional help with staff and after-school support, if needed.

Learning is the only thing the mind never exhausts, never fears, and never regrets. ~ Leonardo DaVinci

GLHS Graduation Requirements

28 total credits required to graduate

By Department:

Business/Computer Science	1 credit	
English Language Arts	4 credits	Grade level aligned courses
Mathematics	4 credits	Algebra Plane Geometry Data Analysis & Algebra 2 .5 Senior Year Math .5 Personal Finance
Physical Education	.5 credit	Introduction to Fitness or Strength and Conditioning
Health	.5 credit	
Visual, Performing, & Applied Arts	1 credit	(See course listing on p.12)
Science	3 credits	Biology Physics A, Chemistry A, Earth and Space Science A & a B of either Physics, Chemistry or Earth and Space Science
Social Studies	3.5 credits	Civics US History and Geography World History and Geography Economics
World Language	2 credits	Must be 2 levels of the same language

The capacity to learn is a gift; the ability to learn is a skill; the willingness to learn is a choice. ~ Brian Herbert

EDUCATIONAL DEVELOPMENT PLAN

Name: _____ Career Choice _____

Career Pathway: ___Arts/Comm ___Business ___ Engineer/Manufacturing ___Health ___Human Services ___Natural Resources

Postsecondary Educational Goal(s): __Work __Military Service __Tech/Voc School __2 Year Comm College __4 Year College

8th Grade			9th Grade			10th Grade			11th Grade			12th Grade	
	TITLE	Credit Value		TITLE	Credit Value		TITLE	Credit Value		TITLE	Credit Value	TITLE	Credit Value
				Seminar 9	.25		Seminar 10	.25		Seminar 11	.25	Seminar 12	.25
	English			English 9 / 10	.5 / .5		English 10 / 11	.5 / .5		English 11 / 12 / A.P.	.5 / .5	English 12 / A.P.	.5 / .5
	Math:			Algebra 3Tri/Algebra/Geo	.5 / .5		Geometry / Data	.5 / .5		Math:	.5 / .5	Math: Personal Finance LTP / EDL	.5 / .5
	World Language:			Biology	.5 / .5		Science A / B	.5 / .5		Science:	.5 / .5	Math:	.5
	Intro Comp Science			Civics	.5 / .5		U.S. History or A.P.	.5 / .5		World History or A.P.	.5 / .5	Economics	.5
				Health	.5								
				Intro to Fitness / Strength and Conditioning	.5								
			*NOTES:										
				Business/Computer Science (1 credit) can be completed in grades 9-12									
				World Language (2 credits of the same language)									
				Visual, Performing, & Applied Arts (1 Credit) can be completed in grades 9-12									
				Total Credits	**7.75**		**Total Credits**	**7.75**		**Total Credits**	**7.75**	**Total Credits**	**7.75**

Extra-Curricular Activities, Community Service, and Work Experience:

_____

Additional Information Regarding Courses and Credits

1. A student can earn credit through Gull Lake courses including affiliated programs through CTE, EFA, ATYP, KAMSC, GL Virtual, GL Early College, and/or dual enrollment. Students may take additional courses outside of the school day but must pay for those classes (see note #3). The maximum number of credits the student can earn outside of Gull Lake High School to apply towards high school graduation is two per year. Students registering for courses outside of Gull Lake (excluding CTE, EFA, ATYP, KAMSC) must have prior administrative/counselor approval in writing.

2. Gull Lake High School students MUST maintain a full schedule every year THROUGH THE END OF THEIR SENIOR YEAR. EFA evening enrichment classes are in addition to a student's full schedule.

3. A student who needs to earn additional credits in order to graduate on time (credit retrieval) must seek that credit through an accredited program. Enrollment in a program must be approved by high school administration and counseling staff PRIOR to the student enrolling in any course(s). A student can earn a MAXIMUM of TWO CREDITS per academic year for the purpose of credit retrieval. The student is responsible for any and all costs of these courses. All credit retrieval course work will be for credit only. A student who returns to Gull Lake for a fifth year to complete his/her credit requirements AFTER his/her class has graduated has the option of taking a reduced schedule.

4. Students who take non-AP ATYP courses will be granted ONE credit per course. ATYP math courses and English Language Arts courses are in line with GLHS and the Michigan Merit Curriculum and are not weighted courses. ATYP courses equivalent to College Board Advanced Placement courses will be granted 1.5 credits and will be weighted.

5. A high school course taken in middle school will be listed on a student's high school transcript if the student has met the Michigan Merit Curriculum expectations. Credit received will be counted toward graduation and can fulfill departmental requirements. No honor points will be given, and a grade will not be calculated into the high school G.P.A. and class rank.

6. The Board of Education has established weighting of AP, designated KAMSC courses, and approved Dual Enrollment classes by adding .35 honor points per one-half (.5) credit to the final grade with the prior approval of the Superintendent or designee. AP courses completed at a previous high school will be weighted .35 honor points per .5 credit. Honors courses will not be weighted.

7. Along with the course description, a homework rating is listed. They are defined by:
Low: More in class work time than homework
Medium: Expect homework; this course will require extra study time at home
High: Expect homework; this course will require extra study time at home daily

Standard codes are defined as:
MMC known as Michigan Merit Curriculum: All GLHS courses designated as MMC have met content expectations required for graduation as enacted by the State of Michigan.
Common Core: All GLHS courses designated as Common Core meet the content expectations consistent with education standards across the United States.
College Board: All GLHS courses designated as AP (Advanced Placement) are College Board approved. This means colleges may grant placement and course credit to students who obtain certain scores on the AP examinations.
NCAA: All GLHS courses designated as NCAA have been reviewed and approved by the National Collegiate Athletic Association (NCAA) Eligibility Center.

Testing Out

P.A. Act 335, Section 1279 B of the State Code indicates that any high school student may request to test out of any course offered. Students must exhibit mastery of the course content by attaining a grade of no less than a C+ (78%) on a comprehensive exam and/or be required to demonstrate mastery through the basic assessment used in the course. This may consist of a portfolio, a performance, a paper, a project or presentation.

Testing out will be counted toward fulfillment of a prerequisite and/or for placement in a subject area and sequence. A "TO" for testing out will be designated on the transcript, but NO CREDIT will be granted for testing out. They will not be counted toward the required number of credits needed for graduation and will not be used to determine a student's GPA. Students may not receive credit thereafter for taking a lower course sequence for that subject area.

All applicants who request to test out of a course(s) for the upcoming school year, must make a request to the Guidance Office by JUNE 1st of the current school year. Testing out dates will be conducted during orientation week before school starts.

Students will be contacted about material pick up and testing dates. Letters and emails will be sent to parents and students in the summer providing testing out information. If you have questions, contact your counselor.

Michigan Merit Exam

All students are required to participate in the Michigan Merit Exam (MME) in the spring of their junior year. These scores will be included on the student's transcript as part of their permanent record. The Michigan Merit Examination (MME) assesses students in grade 11 and eligible students in grade 12 based on Michigan high school standards. It is administered each spring, and consists of three components:

- College Board SAT
- WorkKeys® job skills assessments in reading, mathematics, and "locating information"
- Michigan developed Science and Social Studies MSTEP

For additional information go to www.michigan.gov/mde.

Students in grades 9 and 10 take the PSAT 8/9 (grade 9 only) and PSAT 10 as part of high school state assessments.

GLHS offers a .5 credit Test Prep course for juniors during the 2nd trimester. For additional information, see the course description on page 12.

Preparation for College Admissions

Applicants to colleges must qualify for admission through a combination of the following: scholastic record, academic rank in class, extracurricular activities, essay and ACT/SAT. Students should check on-line for specific information concerning admission requirements. College planning should begin as early as possible in a student's high school career so that students and parents will be aware of all necessary requirements for acceptance. College's place great emphasis upon initiative, academic rigor, and may consider such factors as character, personality, civic responsibility, and specialized talents and skills.

Since admission to many colleges is becoming increasingly competitive, students must expect to do intensive work throughout their high school career, or they may experience difficulty in gaining admission to the college of their choice. Colleges require a copy of the student's academic record (transcript) from grades nine through twelve.

The State universities of Michigan have agreed that to be eligible for regular admission to a four-year degree program, a high school student should successfully complete the following courses in high school:

English- four credits required.
Mathematics- four credits required.
Biological/Physical Sciences-three credits required: one credit of biological science and one credit of Physics/Chemistry.
History and Social Sciences- three credits required; one credit of US History and one credit of World History strongly recommended.

Prospective students are also encouraged to complete courses in the following areas:

World Language- two credits are strongly recommended and may be REQUIRED by many colleges and universities.
Fine and Performing Arts- two credits strongly recommended; students may be asked to present a portfolio or audition.
Computer Literacy- one credit of hands-on experience in using computers strongly recommended.

NCAA Guidelines

Students who are considering participation in athletics at the collegiate level need to be aware of National Collegiate Athletic Association (NCAA) requirements and guidelines. *POTENTIAL ATHLETES ARE ADVISED TO CHECK WITH THE ATHLETIC DIRECTOR FOR DETAILED INFORMATION ON THESE RULES DURING JUNIOR YEAR.* The NCAA has set specific minimum standards, regarding curriculum and academic performance for athletes to participate in collegiate athletics their freshman year. The updated list of approved courses offered at GLHS can be viewed on the NCAA Eligibility website.

The student must register with the NCAA's Eligibility Center during their junior year in high school. Students must also have their amateur status certified by the NCAA Eligibility Center before representing a collegiate institution in competition. Registration needs to be completed online at www.ncaaeligibilitycenter.org

College Board/AP/SAT/ACT/CLEP

The Advanced Placement (AP) Program is a cooperative educational endeavor of secondary schools, colleges, and the College Board. AP courses are intended to be the equivalent of college-level freshman courses and to prepare students for the AP exams which are offered in May. A grade earned in an AP course will be weighted .35 honor points per .5 credit. High School students taking AP exams may earn college credit for satisfactory performance on AP exams depending on which college or university the student will attend. For more information on college credit visit https://apstudents.collegeboard.org/getting-credit-placement/search-policies. Gull Lake High School offers AP courses in English, Mathematics, Science, and Social Studies.AP courses completed at a previous high school will be weighted .35 honor points per .5 credit. Honors courses will not be weighted.

All juniors will take the SAT as part of the Michigan Merit Exam in the spring. In addition, highly selective colleges/universities may require students to take the SAT subject tests. Contact the college admission office of interest for specific requirements. A student may choose to take the ACT as an additional college admissions test. For more information, see your counselor or go to www.actstudent.org or www.collegeboard.org.

Gull Lake Community Schools is an approved CLEP (College-Level Examination Program) Testing Center. This is an optional test that students can register for to earn college credit. Visit www.clep.collegeboard.org to learn more about the CLEP.

Gull Lake Virtual Partnership Learning

A student may elect to take an online virtual course as part of their high school curriculum. These courses may be selected from our local course catalog (Gull Lake Virtual Partnership) or through the options available in the state-wide online course catalog.

Gull Lake Virtual Partnership (GLVP) is a school program available to all Gull Lake Community Schools students in grades K-12. GLVP strives to offer innovative, meaningful and personalized learning opportunities for students to grow and thrive as they continue to discover their own unique talents. GLVP courses offer students the chance to strengthen their skills and abilities as they move along their educational pathways.

1. The student must receive approval from the counselor no later than one trimester before desired enrollment period.

2. Traditional students seeking a GLHS diploma are limited to two (2) online courses per trimester.

3. Virtual courses will be included on the student's transcript noting credit and grade received and will be calculated in the GPA.

4. Students will be assigned to a virtual lab with a mentor teacher. The mentor teacher offers support on a daily basis and feedback regarding course progress.

5. Students are required to meet the expectations of weekly check-ins and count day requirements.

6. Students will be expected to work in the lab during the scheduled class period. A student's request to work off campus may be granted based on successful progress within the course. The ability to work off campus may be revoked by the school if student is not passing.

7. Students will have a highly qualified content appropriate teacher for the virtual course. The teacher provides content support, course feedback, and grades for the student.

8. To view the list of approved NCAA online courses, visit the NCAA Eligibility Center and enter your virtual school code. If you have questions, please see the athletic director or your counselor. GLVP courses are noted accordingly in the course catalog if they are NCAA approved.

Dual Enrollment

A student may further their education as part of their high school curriculum at a post-secondary institution with assistance in tuition. To dual enroll for the upcoming school year, it is critical that students submit paperwork to the Guidance Office no later than the last day of school. To qualify, a student must fulfill all of the following requirements:

1. The student must complete an application to the college and submit qualifying test scores to participate.

2. The student must be enrolled in both the school district and post-secondary institution during the local school district's regular academic year.

3. It is recommended that a student enroll in a minimum of TWO college academic courses over the school year. (One fall and one winter semester)

4. The student must attend an informational meeting, meet with a college academic advisor, meet with their high school counselor, attend an on-campus orientation and complete the necessary paperwork BEFORE registering for their college courses.

5. Freshmen level college courses will not be considered for weighting. Upper-level college courses will be considered for weighting on an individual review basis, upon request. (Grade weighting is NOT automatic.)

6. College coursework will be added to the transcript unless otherwise indicated. NOTE: The student should be aware that some universities will not grant college credit for dual enrollment courses. If you have questions about this, contact your college of interest.

7. College course work taken in the summer is not considered dual enrollment. Summer course work may be added to a student's transcript for credit only.
Tuition and fees are the responsibility of the student for summer classes.

8. The student must pay any tuition, fees, or other costs that are ABOVE the amount allotted under the PSEO Act. This amount typically covers a 3-credit community college course; it will not cover the full cost of a four-year university 3 credit course

Early College Program Overview

Overview

Gull Lake Community Schools Early College (GLEC) is a fifth year high school program, combining the best of the high school and an early college experience. Gull Lake Early College will offer both online and face-to face educational instruction to enable students to earn their high school diploma and college credits up to an Associate's Degree. Students benefit from a supportive educational environment in which they will receive support services to assist them in their transition from high school to college. Students will have the opportunity to enroll in courses designed to develop and enhance their academic preparation skills, study skills and social maturity skills, thus providing them with the tools they need to make a successful transition to post-secondary education.

Goals of Gull Lake Early College

- Increase the amount of Gull Lake Community Schools students enrolling in college.
- Increase the number of GLCS students completing college.
- Increase postsecondary success for GLCS students through college knowledge and supports.
- Assist with the financial burden of college costs to families.
- Expand high school opportunities based on students' individual needs and interests.

Program Design

Students in the Gull Lake Early College Program make a gradual transition from traditional high school to full time college students over the course of three years. They begin the transition by blending high school courses and college courses in 11th grade and continue to increase the blend until they are full time college students in grade 13. The end result is for students to graduate at the end of their fifth year of high school with a high school diploma and an associate's degree, an occupational certificate, 60+ transferable college credits, or a MEMCA Certificate.

Highlights

- Gull Lake Early College partners with Kalamazoo Valley Community College, Kellogg Community College, and Western Michigan University.
- The cost of tuition, course materials, and fees is paid for (up to an allocated amount) by Gull Lake Community Schools.
- Gull Lake Early College students have the opportunity to gain two years worth of college credits just one year after their original high school graduation date, allowing them to enter the workforce or move on to a bachelor's degree in a shorter amount of time.

Enrollment Process

1. Students who are considering the Early College Program should be willing, motivated, and up for the challenge to perform successfully in coursework at both the high school and college level.
2. Applications are accepted during the 10th grade year from February 1– August 1st.
3. Students MUST be accepted into the Early College Program before beginning their junior year.

Questions Contact your student's school counselor or mentor for more information.

Departments and Individual Course Descriptions

COURSE OFFERINGS

Final courses offered in the master schedule are based upon student course requests and available staff to teach those courses. Therefore, we ask that all students choose their courses carefully, plan ahead and list an alternative course in case a course is not offered or there is a scheduling conflict.

Seminar

Course Number: 0009 (Freshmen) 0011 (Junior) Credit: .25
0010 (Sophomore) 0012 (Senior)

Seminar is a yearlong course required of all students who attend Gull Lake High School. Seminar meets weekly for 40 minutes. Seminar sessions provide students the opportunity for academic support and assistance. Appropriate use of technology is expected of students during this time. Beyond this, students will also be encouraged to select a topic of their choice to explore in depth using seminar and GLHS resources. In addition, this time will be available for the use of the media center, computer lab, tutoring, college and military representatives, etc.

Test Prep

Course Number: 1001 Credit: .5
Grades: 11 Homework Rating: Low
Prerequisite: None

This class is designed to make students more comfortable with the features and format of a college entrance exam. Students will learn test-taking strategies and time-management skills. They will review math, English, scientific methods and models, reading comprehension strategies, language skills, writing and grammar. Students will be connected with Khan Academy and use previous test scores for test prep. Students will rotate six weeks in an English course and six weeks in a math course.

The Visual, Performing, and Applied Arts requirement may be earned through the successful completion of one (1) credit in the following courses. The second World Language credit may be opted out for an additional one (1) credit of Visual, Performing, Applied Arts or successful completion of a CTE/EFA Program.

GLHS

Advanced Acting
Art 1
Beginning Guitar
Choir
Computer Science/Software Engineering
Computer Science/Research and Develop.
Concert Band
Creative Writing
Creative Development
Cyber Security
Debate
Digital Media, Art & Web Design
Art 2 (FormerlyDrawing and Painting I)
Entrepreneurs and Business Leaders
Improvisation and Sketch Comedy
Intro to Acting
Jazz Band
Marching Band
Marketing
Oral Traditions
Plays You Should Know
Art 3 (Formerly Sculpture and Ceramics)
Speech
Stagecraft
Studio Art
Symphonic Band

CTE

Design

Computerized Manufacturing

Computer Programming

Computer Systems Networking
Construction Trades

Barbering

Cosmetology

Culinary Arts
Cyber Security Machine Tool
Marketing
Mechatronics Robotics/Ind.Tech
Media Production
Educator Academy
Welding

KAMSC
Information Technology
Computer Studies

EFA

Beginning Dance Studio

3D Computer Animation and Game Design

Advanced Music Theatre Workshop
Advanced Visual Art Studio
Beginning Dance
Comics, Manga, and Novels Online
Creative Writing Online
Dance/Health/PE
Creative Game Design
Digital Photo Art
Digital Studio Art
Film and Video Arts
Advanced Film and Video Arts
Multimedia StoryTelling
Hip Hop 180
Intermediate Dance Studio
KVCC Media Arts
Music Studio
Theatre Improv and Scriptwriting
Visual Art Exploration
World Dance

Technical Drawing I, II
Theatrics
Woodworking Technology I, Advanced Yearbook Publications Video Game Development Web Design

Applied Technology

NOTE: STUDENTS MUST BE AWARE THAT IN SELECTING THESE COURSES, ONLY INEXPENSIVE MATERIALS WILL BE FURNISHED. STUDENTS MAY PURCHASE WOOD FROM THE SCHOOL TO BUILD THEIR PROJECTS OR THEY MAY PURCHASE THEIR MATERIALS SOMEWHERE ELSE AND BRING THEM IN. MATERIALS PURCHASED FROM THE SCHOOL MUST BE PAID FOR AT THE COMPLETION OF EACH PROJECT.

Woodworking Technology I

Course Number: 5010 Credit: .5
Grades: 9-12 Homework Rating: Low
Prerequisite: None

This course is designed for students to develop fundamental operational skills, learn skills of machine woodworking tools, and gain necessary technical information for related woodworking operations. Emphasis will be placed on basic furniture construction with cabinetmaking being introduced on a simplified scale. The use and skills of hand tools are also included to supplement power tool operations. Students will choose two class projects from a teacher selected list.

Advanced Woodworking Technology

Course Number: 5030 Credit: .5
Grades: 10-12 Homework Rating: Low
Prerequisite: Woodworking Technology I and teacher recommendation

This course is designed for students to further develop fundamental operational skills, learn skills of machine woodworking tools, and gain necessary technical information for related woodworking operations. Emphasis will be placed on basic furniture construction. Students will be able to pick a project of their choosing which will further their woodworking abilities.
THIS COURSE MAY BE REPEATED WITH TEACHER RECOMMENDATION.

Technical Drawing I

Course Number: 5040 Credit: .5
Grades: 9-12 Homework Rating: Low
Prerequisite: None

This course is a must for students who are anticipating a career in engineering, technical illustrations, design, drafting, CAD, the trades or any of many technical fields. It is also beneficial for any student learning to visualize, plan and layout materials and drawings. Accuracy will be stressed. Students will learn to draw orthographic views, sectional views, pictorials, detail and assemble drawings. Class activity is centered around board drawing with CAD being introduced on a simplified scale.

Technical Drawing II (CAD)

Course Number: 505A & 505B Credit: 1
Grades: 10-12 Homework Rating: Medium
Prerequisite: Technical Drawing I

This course is a must for students who are anticipating a career in engineering, technical illustrations, design, drafting, CAD, the trades or any of many technical fields. It is also beneficial for any student learning to visualize, plan and layout materials and drawings. Students will learn to draw orthographic views, sectional views, pictorials, detail and assemble drawings. Class activity is centered around CAD drawing.

Business

NOTE: STUDENTS WHO COMPLETE ACCOUNTING, ENTREPRENEURS AND BUSINESS LEADERS. MARKETING, WEB DESIGN, AND COMPUTER SCIENCE & SOFTWARE ENGINEERING WITH A "B" OR BETTER MAY BE ELIGIBLE FOR ARTICULATED (COLLEGE) CREDIT AT SELECT POST SECONDARY INSTITUTIONS.CHECK WITH YOUR BUSINESS TEACHER FOR MORE INFOR- MATION.

GLHS Business & Technology			
Class	CTE	GL Graduation Credit	College Articulated Credit
Introduction to Business		BUS	
Introduction to Computer Science		BUS	
College and Career Readiness		BUS	
Computer Science & Software Engineering	CTE	BUS, VPAA	KVCC, Baker College, Davenport University, Ferris State University
Computer Science Independent Cert.		BUS, VPAA	
Research & Development	CTE	BUS, VPAA	
Cyber Security	CTE	BUS, VPAA	
Digital Media, Art & Web Design	CTE	BUS, VPAA	KVCC, Baker College, Davenport University
Accounting	CTE	BUS, MATH	KVCC, Baker, Davenport University, Ferris State University
Marketing	CTE	BUS, MATH, VPAA	KVCC, Baker College, Davenport University
Entrepreneurs and Business Leaders (formerly BMA)	CTE	BUS, VPAA, MATH	KVCC, Baker College, Davenport University, Ferris State University
Personal Finance (LTP & EDL)		BUS, MATH	
****Students may partially or fully substitute 1 World Language credit with an MDE-approved CTE program or by completing an additional 1.0 credit of a Visual or Performing Arts course****			
CTE = Career & Technical Education BUS = Business VPAA = Visual Performing & Applied Arts MATH = Math Related			

Digital Media, Art & Web Design (CTE)

Course Number: 103A & 103B Credit: 1
Grades: 10-12 Homework Rating: Low
Prerequisite: None

This course will allow students to work on industry's standards to build functional websites for multiple platforms using Adobe CS6 Software. Students will focus on designing for businesses or clients that want a professional website. Students will be introduced to graphic design, image editing, creating animations, and artistic design for the internet. Website development, HTML 5 programming, publishing and maintaining websites with networks is also a part of the learning experience.

Accounting (CTE)

Course Number: 105A & 105B Credit: 1
Grades: 10-12 Homework Rating: Low
Prerequisite: Introduction to Business recommended

This accounting course provides students with a comprehensive introduction to the principles and practices of financial accounting. Students will learn to record, analyze, and summarize financial transactions, explore the accounting cycle, and prepare key financial statements including balance sheets and income statements. The course emphasizes practical applications through real-world examples, fostering critical thinking and problem-solving skills essential for understanding business operations. Additionally, students will gain insight into ethical considerations in accounting and the impact of technology on the financial sector. By the end of the course, students will have a solid foundation in accounting concepts and skills necessary for advanced studies or entry-level positions in the field. In addition to the accounting concepts, students will learn Microsoft Excel software with the opportunity to become Microsoft Office Specialist (MOS) certified. THIS COURSE HAS AN ADVANCED LEVEL THAT CAN BE TAKEN AS AN INDEPENDENT STUDY WITH TEACHER RECOMMENDATION.

Introduction to Business

Course Number: 1070 Credit: .5
Grades: 9-10 Homework Rating: Low
Prerequisite: None

This course provides a full range of subject matter designed to give an overview of businesses and how the government and consumers can affect business activities. Students will learn the importance of the economic activity, social responsibilities, and global decisions that a business encounters. The course also includes topics and activities within business structures, entrepreneurships, marketing, management, financial records, and business productivity. Opportunities to participate in the annual JA Titan Challenge and the WMU Sales Challenge will be available for those who enroll in this course.

Career and College Readiness

Course Number: 1103 Credit: .5
Grades: 10-11 Homework Rating: Low
Prerequisite: None

This course is designed to develop and improve the students' learning styles and test taking strategies. In addition, students will perform career exploration through Xello (formerly Career Cruising), aptitude testing, and virtual job searching with guest speakers from all career pathways. College searching and financial aid assistance as well as other post-secondary options will be explored, and students will develop their career readiness and employability skills with resume creation and interview experience. This course is highly recommended for the Early College Student.

Entrepreneurs and Business Leaders (CTE)

Course Number: 109A & 109B Credit: 1
Grades: 10-12 Homework Rating: Low
Prerequisite: Introduction to Business recommended

This accounting course provides students with a comprehensive introduction to the principles and practices of financial accounting. Students will learn to record, analyze, and summarize financial transactions, explore the accounting cycle, and prepare key financial statements including balance sheets and income statements. The course emphasizes practical applications through real-world examples, fostering critical thinking and problem-solving skills essential for understanding business operations. Additionally, students will gain insight into ethical considerations in accounting and the impact of technology on the financial sector. By the end of the course, students will have a solid foundation in accounting concepts and skills necessary for advanced studies or entry-level positions in the field. In addition to the accounting concepts, students will learn Microsoft Excel software with the opportunity to become Microsoft Office Specialist (MOS) certified. THIS COURSE HAS AN ADVANCED LEVEL THAT CAN BE TAKEN AS AN INDEPENDENT STUDY WITH TEACHER RECOMMENDATION.

Marketing (CTE)

Course Number: 111A & 111B
Grades: 10-12
Prerequisite: Introduction to Business recommended

Credit: 1
Homework Rating: Low

This course is designed to provide students with an understanding of the principles of Marketing. There will be a focus on the management of the marketing activities and how marketing relates to overall organizational functioning, including the management of exchange processes between business units and consumers. It will include topics such as product develop- ment, pricing strategies, promotional advertising, marketing strategies, and finally product distribution. Additionally, the course will provide opportunities for students to participate in the business and marketing student club DECA as well as the annual WMU Sales Challenge.

Marketing 2: Beyond the Game: Sports and Social Media Marketing

Course Number: 1120
Grades: 10-12
Prerequisite: teacher/counselor recommendation

Credit: 1.5 (all year course)
Homework Rating: Low

The Sports and Social Media Marketing course is designed to introduce high school students to the dynamic and fast-paced world of sports marketing and its intersection with social media platforms. Students will learn the fundamentals of marketing within the sports industry, including branding, fan engagement, event promotion, sponsorship, and media relations. Through hands-on activities within the Gull Lake Athletic Department, case studies, and real-world examples, students will explore how social media is leveraged to create powerful marketing campaigns, build online communities, and enhance fan loyalty.

Personal Finance for Everyday Living

Course Number: 7110
Grades: 11-12
Prerequisite: None

Credit: .5
Homework Rating: Low

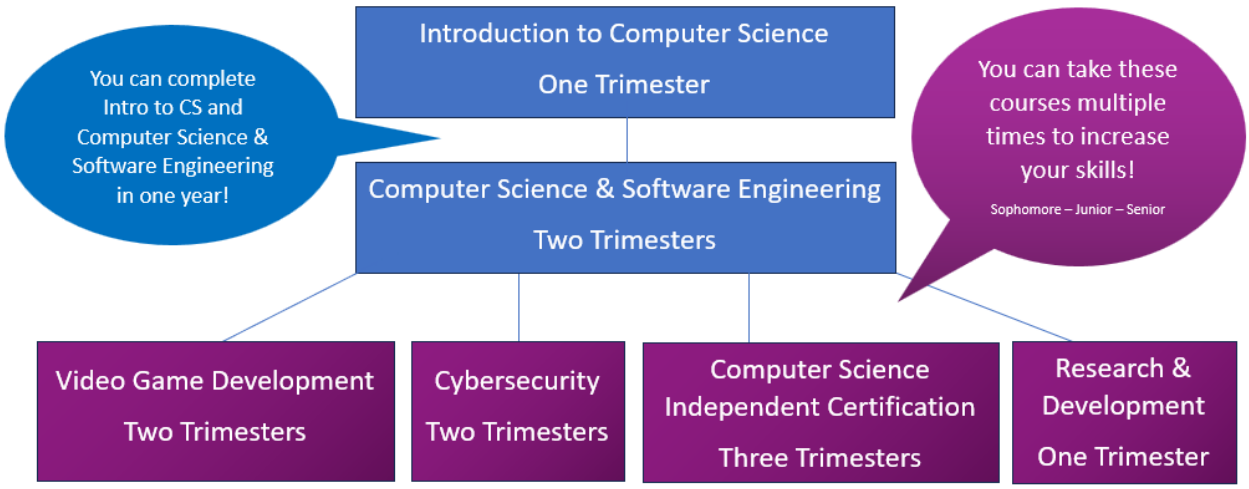
The goal of this class is to acquaint students with how to plan for their personal financial future. The units covered in Everyday Living are behavioral economics, banking, paying for college, budgeting, consumer skills, and taxes.

Personal Finance Long Term Planning

Course Number: 7120
Grades: 11-12
Prerequisite: None

Credit: .5
Homework Rating: Low

The goal of this class is to acquaint students with how to plan for their personal financial future. The units covered in Long Term Planning are types of credit, managing credit, insurance, and investing.



Computer Science

Introduction to Computer Science (CTE)

Course Number: 1101 Credit: .5
Grades: 9-12 Homework Rating: Low
Prerequisite: None

Introduction to Computer Science is an excellent entry into the computer science world. Students will explore career options as a Computer Scientist. Dive into the world of programming using the Python text-based programming language. Edit im- ages using the Digital Design application GIMP, Graphic Image Manipulation Program. Design and create a short film using software to produce, edit and finalize a featured film. While learning these 21st century skills Computer Scientists learn the importance of File Management. Lastly, students will build an electronic portfolio showcasing all their amazing new talents to share with possible employers, university, and IT professionals.

Computer Science Software Engineering (CTE)

Course Number: 1102A & 1102B Credit: 1.0
Grades: 9-12 Homework Rating: Low
Prerequisite: Introduction to Computer Science or teacher recommendation

Computer Science and Software Engineering (CSSE) is the second course available for high school students within the Com- puter Science pathway. CSSE will focus on learning software applications that software developers and IT professionals use in their jobs every day. The course evolves very rapidly to keep up with industry and Career & Technical Education (CTE) standards. The course begins by reinforcing File Management for large projects by downloading, installing and preparing a Linux Ubuntu Virtual Environment for training purposes. Students use this Virtual Operating System to grow and learn their skills in installing new software, updating operating systems, and creating backups. Students will then use applications that Industry IT Professionals use on a daily basis such as GitHub, Python Integrated Development Environments (IDE), and Software Development Kits (SDK's) to program Drones through a midair course, Robots through a quest, and Arduino Microprocessors to accept input from an array of sensors. Making mistakes is highly welcome.

Computer Science: Research and Development

Course Number: 1106 Credit: .5
Grades: 9-12 Homework Rating: Medium
Prerequisite: Computer Science Software Engineering

Students will use concepts taught & learned through multiple sources including previous computer science classes, self-taught web-based applications, personal life experiences, passion and peers to further their education in a collaborative team set- ting. Students will be encouraged to use curriculum from Science, Technology, Engineering and Mathematics (STEM) classes to complete projects of your choice, projects you have always wanted to complete but didn't have the time nor place. Teams will work through three stages of their Research & Development; Implementation Planning, Community Pitch and Final Presentation. Weekly blog reflections will be used to share experiences as the chosen project progresses. Lastly, students will showcase their Research & Development to peers, administrators, family, business & industry through an Innovation Gallery Walk held in May of each year. Students can take this course, as many times as one wishes, in different trimesters, for when- ever it fits in your schedule, you can be part of this amazing learning experience. Warning - innovation will be happening!!!!

Cyber Security

Course Number: 1108A & 1108B Credit: 1.0
Grades: 10-12 Homework Rating: Medium
Prerequisite: Computer Science & Software Engineering

Do you want to be a Cyber Warrior? Are you familiar with computer systems? Are you excited about learning how to hack and defend against cyber-attacks? Then cyber security is the course for you! The curriculum is designed to prepare students with a solid foundation in Cyber Security, arming them with the knowledge, skills, and abilities necessary to pursue a career in the cyber security industry. The curriculum will provide courses and practice labs in different subject areas such as: Harden- ing Operating Systems, Hardening Networking Switches & Routers, and lastly, Cloud Computing. In addition, Cyber Security students will compete in the National Cyber Patriot competitions to put into practice their obtained knowledge, skills, abilities, and real-life scenarios. Cyber Security students with strong work ethics and teacher approval can take the next course, Advanced Cybersecurity Essentials (ACE) to gain certifications making them marketable to Universities or the World of Work.

Computer Science Independent Certification (CSIC)

Course Number:1160A, 1160B,& 1160C Credit: 1.5
Grades: 10-12 Homework Rating: Medium
Prerequisite: Cybersecurity or Advanced Computer Science and Teacher Recommendation

This course is designed as a capstone to students who have completed the computer science curriculum at GLCS. It is de- signed for students to study, train, and prepare for industry standard, computer science related, certification tests. Students will choose a topic of study that interests them then they will study independently using various resources that prepare them for certification tests. The goal is for students to pass their certification tests which will provide them with the skill set for entry level work and or post-secondary education. The course is designed to be a full year long, however different certifications may require various amounts of time.

Video Game Development

Course Number:1161A & 1161B Credit: 1.5
Grades: 10-12 Homework Rating: Low
Prerequisite: Computer Science & Software Engineering

Dive into the exciting world of video game development with this hands-on, introductory course! Designed for aspiring game designers, developers, and artists, this course will guide students through the fundamentals of creating engaging, interactive video games from start to finish. Students will learn core concepts in game design, storytelling, programming, and visual asset creation. Using industry-standard tools such as Unity or Unreal Engine, students will work on developing their projects, bringing characters, worlds, and gameplay mechanics to life. Throughout the course, we'll explore key topics, including game physics, level design, user interface (UI), user experience (UX), playtesting, and debugging. By the end of the term, students will have built a playable game and gained valuable coding, problem-solving, and creative collaboration skills. Join us to turn your game ideas into reality and take the first steps toward a career in game development!

CTE Work Based Learning (Formerly Cooperative Education (Co-op)

CourseNumber:114A,114B,114 Credit: .5
Grades: 11-12
Prerequisite: CTE-related class. Successful completion of one trimester or semester of a CTE course and continued concurrent enrollment in CTE.

NOTE: Students are not to be officially enrolled in CTE Work-Based Learning until the Work-Based Learning Coordinator has approved their application and job site. Additionally, employment is subject to forces outside of the control of the school district, therefore, employment cannot be guaranteed. For these reasons, it is recommended that students maintain a full schedule of classes until all conditions are met.

An experience for 11th and 12th grade students who have successfully completed a trimester or semester of a CTE course. Students can earn credit and receive a grade while they learn through paid, related work experience. Participating students shall:

- Be employed in a coordinator-approved work setting
- Work at least 10-15 hours per week in class-related, legal employment
- Receive release time from school, school credit, on-the-job training and pay
- Be evaluated every grading period by their employer.

English Language Arts

Gull Lake students will be required to earn credit in English 9, 10, and 11. The fourth English credit must be earned in one of the following: English 12, AP Language and Composition, AP Literature and Composition, or approved dual enrollment courses.

English 9

Course Number: 201A & 201B
Grades: 9
Standard: Common Core, NCAA
Credit: 1
Homework Rating: Medium

These courses are designed to cover a wide range of literature from American, British, and world authors. This class will include the study of challenging reading, vocabulary, and grammar and language skills necessary to becoming an effective reader and writer. Students will complete a variety of formal and informal writing assignments and will participate in group work, oral presentations, research and creative projects, and a general study of history, geography, visual media, and culture necessary to appreciate and understand the literature.

English 10

Course Number: 202A & 202B
Grades: 10
Standard: Common Core, NCAA
Prerequisite: Successful completion of English 9A and 9B
Credit: 1
Homework Rating: Medium

These courses are designed to cover a wide range of literature from American, British, and world authors. This class will include the study of challenging reading, vocabulary, and grammar and language skills necessary to becoming an effective reader and writer. Students will complete a variety of formal and informal writing assignments and will participate in group work, oral presentations, research and creative projects, and a general study of history, geography, visual media, and culture necessary to appreciate and understand the literature.

English 11

Course Number: 203A & 203B
Grades: 11
Standard: Common Core, NCAA
Prerequisite: Successful completion of English 10A and 10B
Credit: 1
Homework Rating: Medium

These courses are designed to cover a wide range of literature from American, British, and world authors. This class will include the study of challenging reading, vocabulary, and grammar and language skills necessary to becoming an effective reader and writer. Students will complete a variety of formal and informal writing assignments and will participate in group work, oral presentations, research and creative projects, and a general study of history, geography, visual media, and culture necessary to appreciate and understand the literature.

English 12

Course Number: 204A & 204B
Grades: 12
Standard: Common Core, NCAA
Prerequisite: Successful completion of English 11A and 11B
Credit: 1
Homework Rating: Medium

These courses are designed to cover a wide range of literature from American, British, and world authors. This class will include the study of challenging reading, vocabulary, and grammar and language skills necessary to becoming an effective reader and writer. Students will complete a variety of formal and informal writing assignments and will participate in group work, oral presentations, research and creative projects, and a general study of history, geography, visual media, and culture necessary to appreciate and understand the literature.

Advanced Placement Language and Composition

Course Number: 205A, 205B, & 205C
Grades: 11-12
Standard: College Board, NCAA
Prerequisite: Successful completion of English 9, 10 & 11 and teacher recommendation
Credit: 1.5
Homework Rating: High

A. P. Language and Composition will follow the emphasis of most college first-year writing courses. Students will write in a variety of rhetorical modes including narration and description, argumentation, and exposition. Readings include short stories and major works of fiction as well as nonfiction essays and supplemental texts. The purpose of this course is to enable students to effectively analyze the rhetorical strategies authors use to advance a particular message/overall purpose in preparation for the AP Language and Composition Examination. Students will be assigned summer reading and writing which is designed to prepare them for challenging texts and complex subject matter.

Advanced Placement English Literature and Composition

Course Number: 206A, 206B, & 206C
Credit: 1.5
Grades: 11-12
Homework Rating: High
Standard: College Board, NCAA
Prerequisite: Successful completion of English 9,10, & 11 and teacher recommendation

Advanced Placement English Literature is a class especially designed for the student who is serious about reading and studying literature. The various literary genres and outstanding authors are studied. The student will analyze, interpret, and evaluate the literature through class discussion, written assignments, and creative projects. The class not only helps the student prepare for his/her freshman year in college, but also helps the student prepare for the Advanced Placement English exam. The students will be assigned a summer reading which they will receive in June.

Debate

Course Number: 2070
Credit: .5
Grades: 10-12
Homework Rating: Medium
Standard: NCAA
Prerequisite: None

This course teaches the art and skill of argumentation. Students will research both sides of issues, prepare speeches, practice elocution, and master fallacies, logic and syllogisms. Debaters will produce Lincoln-Douglass, public forum, Model UN, legislative, and improve writing and critical thinking.

Speech

Course Number: 2080
Credit: .5
Grades: 10-12
Homework Rating: Medium
Standard: NCAA
Prerequisite: None

Speech is designed to increase students' basic skills in communication and effective speaking. This course will provide experience in various types of communication situations that will allow the student to grow in poise and gain better command of the spoken word. Students will give speeches in each of the following genres: informative, persuasive, special occasion, group presentation, and impromptu.

Creative Writing

Course Number: 2140
Credit: .5
Grades: 10-12
Homework Rating: Medium
Standard: NCAA
Prerequisite: None

This course is designed for the serious writer who will devote the time and effort necessary to develop their personal voice and style through imaginative writing assignments concerning poetry, personal narrative, children's literature, and short stories. The course will focus on improving each writer's poetic style and improving the ability to write from one's own life experiences as well as writing fiction from the ground up and understanding fiction writing techniques. This course requires daily in-class writing and journaling, peer group evaluation, revision work, studying of many diverse types of writings for use as models and a study of terminology necessary for improving understanding of poetry and short stories with the end goal of eventually developing his/her own personal style of writing.

Yearbook/Publications

Course Number: 214A, 214B, & 214C
Credit: 1.5
Grades: 10-12
Homework Rating: Medium
Prerequisite: Consideration for acceptance to the staff includes written application, good school attendance, taken Writing for the Press, current year's teacher recommendation, special talents, school citizenship record, and an interview with the teacher.

Major responsibilities of the course include planning, decision making, photography computerized page design, interviewing students in order to write copy, selling advertising, and marketing the yearbook. Working as a team is essential. Staff members must be able to work under limited supervision, meet strict deadlines, and be able to spend time outside of regularly scheduled class hours. Students who receive below a "C" average may not elect to take this course again.

Yearbook Editor

Course Number: 215A, 215B, & 215C
Credit: 1.5
Grades: 11-12
Homework Rating: Medium/High
Prerequisite: Application process, permission of yearbook advisor

Two to four students will be selected to act as yearbook editors and/or business managers. These students will be selected based on their leadership abilities, academic standing, attendance, and special talents. They will work as a team to lead the staff during the publishing process and coordinate the efforts of the staff to create a unified, successful yearbook. Students who receive below a "C" average may not elect to take this course again.

Link for Yearbook Application:

Family and Consumer Sciences

Parenting and Child Development

Course Number: 5200
Credit: .5
Grades: 10-12
Homework Rating: Low
Prerequisite: Health

This course is intended for developing awareness, knowledge and skills associated with raising and simply interacting with children. Topics of study include preparing for parenthood, teen pregnancy, fetal development, birth defects, labor & delivery and the developmental milestones physically, intellectually, emotionally and socially from infancy through age 5. Students will also have the opportunity for hands on experience taking care of a 3 month old through the "RealCare baby" simulation! Or students will have the option to complete a thorough research essay and presentation on a child development theorist. Students will experience learning through guided notes, interactive practice, creative projects and video analysis.

Interpersonal Relationships

Course Number: 5210
Credit: .5
Grades: 10-12
Homework Rating: Low
Prerequisite: None

During this course, students will learn about theories and skills that can enhance their relationships both platonic and romantic. This course furthers some topics we touched on in Independent Living including healthy/unhealthy relationships, communication and types of love. We will also explore the family foundation, family cycles, how to strengthen relationships, values/morals, roles in relationships, love/apology languages and a variety of other topics! Students will experience learning through guided notes, interactive practice, creative projects and video analysis.

Foods and Nutrition

Course Number: 5230
Credit: .5
Grades: 9-12
Homework Rating: Low
Prerequisite: None

While in this course, students will explore their nutritional needs, the food industry and cooking skills to be able to thoughtfully fuel their bodies throughout their lifetime. Topics of study include eating habits, eating disorders, kitchen basics, safety and sanitation, macronutrients, micronutrients, environmental impacts of the food industry, food preparation, and a variety of food science and technology topics. Students will experience learning through hands-on food labs, guided notes, interactive practice, creative projects and video analysis.

Independent Living

Course Number: 5240
Credit: .5
Grades: 9-12
Homework Rating: Low
Prerequisite: None

In this course, students will explore a variety of topics to get an idea of what the world of independents may include. Topics of study include self-awareness, self-esteem, SMART Goals, decision making, buying/renting housing, obtaining a vehicle, interpersonal relationships and employability skills. Students will also get to practice a variety of "adulting" skills and have the opportunity to learn and demonstrate an adulting skill of their own! Students will experience learning through guided notes, interactive practice, creative projects and video.

Choir

Course Number: 301A, 301B, & 301C
Credit: 1.5
Grades: 9-12
Homework Rating: Low
Prerequisite: None

If you have ever caught yourself singing into an imaginary microphone or singing along to the radio, you are just the right person for choir. The Blue Devil Choir is a wonderful way to meet new friends and utilize the one instrument which you will always carry with you, your voice. There is no audition and no experience needed to be a member of this outstanding ensemble. It is a requirement of this class to attend all performances and rehearsals.

Band

Course Number: 3020- Marching Band (1st trimester) Credit: 0.5
303A & 303B - Concert Band (2nd/3rd trimester) Credit:1.0
304A & 304B - Symphonic Band (2nd/3rd trimester) Credit:1.0
Homework Rating: Moderate

Grades: 9-12
Prerequisites: Successful completion of Middle School band and/or performance audition; teacher recommendation required
NOTE: Marching Band is not a standalone class. Student must have Concert or Symphonic Band for the year. All 9th graders will take Concert Band and all 12th graders will take Symphonic Band. Auditions will be held for 10th and 11th graders for placement into Concert or Symphonic Band.

During the first trimester, the senior high band functions as the "Blue Devil Marching Band." The band will perform at all home varsity football games, marching band competitions, parades, and pep assemblies. In addition, band members are required to attend a one-week marching band camp during the summer. After football season concludes, the marching band will be split into two bands: concert band and symphonic band. Auditions will determine placement in the bands. It is a requirement of the class to attend all performances and rehearsals.

Jazz Band

Course Number: 305A
Credit: .5
Grades: 9-12
Homework Rating: Low
Prerequisite: Successful completion of Middle band and/or performance audition; teacher recommendation required.

This course is designed for instrumental students to experience performing a style of music that band students rarely have the opportunity to perform in other instrumental ensembles offered at GLHS. The ensemble will focus on playing and performing a variety of jazz styles. In addition, the class will work on improvising skills, listening skills, and supporting soloists. This class is a great addition to any current band student's schedule to add another outlet for music and performing. It is a requirement of the class to attend all performances.

Beginning Guitar

Course Number: 3060
Credit: .5
Grades: 11-12
Homework Rating: Low
Prerequisites: None

Participants in this class will work their way through learning the parts of the guitar, tuning techniques, strumming patterns, picking, note/tablature reading, basic chord progressions and putting together a garage band. You do not have to know how to read music to participate in this class.

Introduction to Acting

Course Number: 3110 Credit: .5
Grades: 9-12 Homework Rating: Low
Prerequisites: none

Intro to Acting takes a closer look at theatre as an actor. In this class we will focus on helping students create dramatic characters, as well as look at different "rules" for acting. It will explore characterization, pantomime, dramatic literature, staging, scene and monologue work. Students may retake this course with instructor permission.

Stagecraft and Theatre Design

Course Number: 3130 Credit: .5
Grades: 9-12 Homework Rating: Low
Prerequisites: none

Stagecraft is a hands-on course that introduces students to all technical and production elements of a live performance: lighting design and execution, sound design and execution, prop building techniques, set building techniques, costume design and execution, media and publicity design, and make up design and execution. Students are trained in the use of tools and other equipment and will be given a number of projects that require them to use these skills safely and effectively. Students may retake this course with instructor permission.

Oral Traditions (Storytelling)

Course Number: 3140 Credit: .5
Grades: 9-12 Homework Rating: Low
Prerequisite: None

Oral Tradition I invites students to discover our first language- Storytelling. It is the passing along of cultural and personal stories in their many forms. Students will discover this powerful life skill through searching for stories, mentoring an elementary child, and developing their storytelling skill and technique. Classwork will be shared in live audience settings. Students may retake this course with instructor permission.

Advanced Acting

Course Number: 3160 Credit: .5
Grades: 9-12 Homework Rating: Low
Prerequisite: None

Advanced Acting is an opportunity for students interested in further study and practice in performance. Students will engage in extended academic and practical experiences and theory, including different styles of acting. This class may be repeated as content will vary.

Improvisation and Sketch Comedy

Course Number: 3190 Credit: .5
Grades: 9-12 Homework Rating: Low
Prerequisite: None

Students in this class will study improvisation techniques and apply them to both long and short form improvisation. Improvisation is a performance skill that requires a great deal of knowledge about people, current events, historical events, and culture, so students will also be responsible for increasing their knowledge in these areas in addition to performing. Students will also study different elements of comedy and write short sketches that use these elements Students may retake this course with instructor permission.

Creative Development

Course Number: 3193 Credit: .5
Grades: 9-12 Homework Rating: Low
Prerequisite: None

This class is designed with any type of artist in mind: visual, performing, literary, musical, etc. The class explores the nature of creativity and the habits that enable one to be creative no matter the art form or activity. Students are required to examine principles and other aspects of creativity, such as new experiences and creative blocks, and apply them to their own lives. Students must also complete an independent creative choice project throughout the trimester. Students may retake this course with instructor permission.

Theatrics

Course Number: 3195 Credit: .5
Grades: 9-12 Homework Rating: Low
Prerequisite: Introduction to Acting, Improvisation and Sketch Comedy, Oral Traditions (Storytelling) OR instructor permission.

This course builds on the introductory performing arts courses by providing students with an opportunity to develop their skills as they create a full production with lights, sound, scenery, costumes, and props to present to a live audience. Students will be responsible for rehearsing the show and performing in the show with all the production elements (lights, sound, set, props, costumes, etc.) at the end of the trimester. In doing so, students will have to synthesize their understanding of the elements of acting in order to perform in an authentic setting. This course requires one evening performance for families and friends.

Plays You Should Know

Course Number: 3196 Credit: .5
Grades: 9-12 Homework Rating: Low
Prerequisite: None

This class explores the major works in the theatre from the Ancient Greeks through 21st Century American musical theatre. Students will also explore the social, cultural, and historical forces that shaped these works and their place in the theatre canon. Through reading and working creatively with a number of plays, students will develop a more profound understanding of the theatre. This class is beneficial for those interested in either acting or technical theatre. It is also a great arts credit option for students who enjoy literature, culture, history, and/or reading.

Theatre Experience as Therapy: A Peer to Peer Exploration

Course Number: 3161 Credit: .5
Grades: 9-12 Homework Rating: Low
Prerequisite: None

This class is designed to use a Peer to Peer/LINKS approach (see Support Services pg.36) using Theater and Drama Therapy techniques to identify and address the developmental needs of students with special needs. Peer Mentors will be assigned to a student (or students) and will work in coordination with the instructor to develop and implement theater activities specific to the physical and cognitive needs of that student. Peer mentor students would be those whose future career pathways might include Theatre/Drama, Theater/Drama Therapy, Education, Special Education, Social Work, Speech and Language Therapy and Psychology. Research in Theater/Drama Therapy and application techniques would also be required of Peer Mentors. Through this therapeutic approach and Peer to Peer Mentoring, students will be exposed to and utilize a variety of theater/drama experiences and methods as they relate to specific developmental needs. Teacher recommendation required. Course may be repeated with teacher recommendation.

Art 1

Course Number: 3200 Credit: .5
Grades: 9-12 Homework Rating: Low
Prerequisite: None

This is an introductory course in the visual arts. Emphasis will be on the introduction of a variety of Art Media and Techniques. Art history, aesthetics and critical thinking will be introduced and applied within the 2D art making experience.

Art 2 (Formerly Drawing & Painting (Art 2D)

Course Number: 3210 Credit: .5
Grades: 9-12 Homework Rating: Low
Prerequisite: Art 1

This class is a continuation of the painting and drawing skills acquired in Art 1. A more personal approach to the subject matter will be encouraged and technical skills will continue to be developed. A survey of global art history (ancient to 20th century) will be explored. This course may be repeated.

Art 3 (Formerly Sculpture & Ceramics (Art 3D)

Course Number: 3230 Credit: .5
Grades: 9-12 Homework Rating: Low
Prerequisite: Art 1

Modeling, carving, relief and assemblage will be used in the creation of 3D art forms. Hand-building techniques will be practiced extensively during the ceramic unit. An overview of global art and architecture will be examined. This course may be repeated.

Studio Art

Course Number: 3250 Credit: .5
Grades: 10-12 Homework Rating: Low
Prerequisite: Prior art coursework (minimum 1 credit) and Teacher Recommendation.

This advanced course is designed for the independent art student, with an emphasis on visual expression. The student will have the opportunity for further experimentation and investigation into personal expression through the arts (both 2D and 3D). The course is highly recommended for students who desire additional art experiences related to careers in the visual arts, design and/or marketing. Students will continue to develop technical skills related to personal artistic style and original ideas. Students will develop a "portfolio" as a showcase for their work and a document of their creative growth. In addition, student artists will be encouraged to enter their work in local art shows and competitions (KIA High School area show) and will have their work prominently displayed in the annual GLHS Festival of the Senses. STUDIO ART MAY BE REPEATED WITH TEACHER RECOMMENDATION

Art Experience as Therapy: A Peer to Peer Exploration

Course number: 3270 Credit: .5
Grades: 9-12 Homework Rating: Low

This class is designed to use a Peer to Peer/LINKS approach (see Support Services pg.36) using Art and Art Therapy techniques to identify and address the developmental needs of special needs students. Peer Mentors will be assigned to a student (or students) and will work in coordination with the instructor to develop and implement art activities specific to the physical and cognitive needs of that student. Peer mentor students would be those whose future career pathways might include Art, Art therapy, Education, Special Education, Social Work and Psychology. Research in Art Therapy and application techniques would also be required of Peer Mentors. Through this therapeutic approach and Peer to Peer mentoring, students will be exposed to and utilize a variety of artistic experiences and methods as they relate to specific developmental needs. Teacher recommendation required. Course may be repeated with teacher recommendation.

NOTE: STUDENTS WILL BE FURNISHED MATERIALS FREE TO MEET MINIMAL COURSE OBJECTIVES. PROJECTS ARE THE PROPERTY OF THE SCHOOL FOR ONE YEAR FOR THE PURPOSE OF DISPLAY. MATERIALS PURCHASED FROM THE SCHOOL MUST BE PAID FOR AT THE COMPLETION OF EACH PROJECT.

Mathematics

Since mathematics is a sequential discipline, mastery of fundamental concepts is necessary if an in-depth understanding is to be attained. In making a recommendation the instructor will consider the student in total, with consideration given to the student's abilities, interests, motivation, study habits, and past performance. It is required by the state for each student to complete four credits of mathematics including Algebra, Plane Geometry, Data Analysis/Algebra 2, and a math course in his/her final year of high school.

Algebra (3Tri)

Course Number: 701A, 701B, & 701C
Credit: 1.5
Grades: 9
Homework Rating: Low
Standard: MMC, NCAA
Prerequisite: MUST BE TEACHER RECOMMENDED to qualify for this class.
NOTE: This course is a three trimester course.

This course may contain the following units: Function Relationships, Linear Functions, Solving Linear Equations, Exponential Functions, Quadratic Functions, Solving Quadratic Functions, Power and Polynomial Functions, Bivariate Data.

Algebra

Course Number: 702A & 702B
Credit: 1
Grades: 9-10
Homework Rating: Medium - High
Standard: MMC, NCAA
Prerequisite: Teacher recommendation

This course may contain the following units: Function relationships, Linear Functions, Solving Linear Equations, Exponential Functions, Quadratic Functions, Solving Quadratic Functions, Power and Polynomial Functions, Bivariate Data.

Plane Geometry

Course Number: 703A & 703B
Credit: 1
Grades: 9-11
Homework Rating: High
Standard: MMC, NCAA
Prerequisite: Successful completion of Algebra AND teacher recommendation

This course may contain the following units: Language of Geometry, Mathematical Reasoning and Proof, Transformational Geometry, Triangles, Quadrilaterals and other Polygons, Right Triangle Trigonometry, Circles, Three-Dimensional Figures.

Concepts of Geometry

Course Number: 705A & 705B
Credit: 1
Grades: 10-11
Homework Rating: Low
Standard: MMC
Prerequisite: Successful completion of Algebra/Algebra 3 Tri AND MUST BE TEACHER RECOMMENDED to qualify for this class.

NOTE: This course will meet Geometry credit at an introductory level and may not meet college admission standards.
This course may contain the following units: Language of Geometry, Mathematical Reasoning and Proof, Transformational Geometry, Triangles, Quadrilaterals and other Polygons, Right Triangle Trigonometry, Circles, Three-Dimensional Figures.

Data Analysis and Algebra 2

Course Number: 704A & 704B
Credit: 1
Grades: 9-12
Homework Rating: High
Standard: MMC, NCAA
Prerequisite: Successful completion of Plane Geometry AND teacher recommendation

This course may contain the following units: Uni-variate Data and Distributions, Matrices, Systems of Equations, Exponential and Logarithmic Functions, Rational Functions, Radical Functions, Sequences and Series, Trigonometric Functions, Probability.

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Concepts of Data Analysis and Algebra 2

Course Number: 713A 713B
Credit: 1
Grades: 11-12
Homework Rating: Low
Standard: MMC
Prerequisite: Successful completion of Plane Geometry AND MUST BE TEACHER RECOMMENDED to qualify for this class.
NOTE: This course is designed to meet the first half credit of Algebra II at an introductory level and may not meet college admission standards.

This course may contain the following units: Uni-variate Data and Distributions, Matrices, Systems of Equations, Exponential and Logarithmic Functions, Rational Functions, Radical Functions, Sequences and Series, Trigonometric Functions, Probability, a review of quadratics, and linear systems.

Advanced Placement PreCalculus

Course Number: 710A, 710B, & 710C
Credit: 1.5
Grades: 10-12
Homework Rating: High
Standard:College Board NCAA
Prerequisite: Successful completion of Data Analysis and Advanced Algebra AND Pre-Calculus A.

AP PreCalculus is a rigorous, college-level course designed to prepare students for calculus. The course covers advanced algebraic concepts, functions, trigonometry, sequences and series, and introduces limits and introductory differential calculus. Students will develop problem-solving and analytical skills, using both graphical and algebraic methods to explore mathematical relationships. The course emphasizes critical thinking and application of mathematical concepts to real-world situations, with a focus on preparing students for the AP Calculus course and exam.

Advanced Placement Calculus

Course Number: 707A,707B, & 707C
Credit: 1.5
Grades: 11-12
Homework Rating: High
Standard: College Board, NCAA
Prerequisite: Successful completion of AP Precalculus
NOTE: Students who take this class will be prepared to take the AP test for Calculus AB in May.

This course is designed to prepare the student for the advanced placement calculus examination. Course topics will include the study of explicit and implicit functions, differential calculus and integral calculus. The course will be taught on a college level and students will be expected to spend 1 to 2 hours of non-class time daily studying calculus. The topics in this course may include algebraic, numerical and graphical approaches, parametric, polar and vector functions, geometric interpretation of differential equations with slope fields, L'Hopital's Rule for convergence of improper integrals and series, numerical solution of differential equations using Euler method, infinite series convergence and divergence. Application problems of the derivative and integral are explored. The course's final exam in spring will consist of exercises taken from previous A.P. Calculus exams. Therefore, each student should be well versed in the use of and have access to a graphing calculator.

Advanced Placement Statistics

Course Number: 709A, 709B, & 709C
Credit: 1.5
Grades: 11-12
Homework Rating: High
Standard: College Board, NCAA
Prerequisite: Successful completion of Data Analysis and Advanced Algebra AND teacher recommendation.
NOTE: Students who take this class will be prepared to take the AP test for statistics in May.

AP Statistics is a college-based curriculum statistics course. The purpose of the AP course in Statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. The topics covered will include displaying data in tables and graphs, describing the shape of a display, measures of center, measures of dispersion, normal distribution, scatter plots, association, correlation, least squares regression, Simpson's paradox, sampling, simulation, statistical inference, probability distributions, binomial distribution, sample means and estimating with confidence. Students are exposed to four broad conceptual themes: exploring data, planning a study, anticipating patterns, statistical inference. The course's final exam in spring will consist of exercises taken from previous A.P. Statistics exams. Therefore, each student should be well versed in the use of and have access to a graphing calculator.

Math for Success

Course Number: 7180
Grades: 9-12
Prerequisite: Teacher/Counselor Recommendation

Credit: .5
Homework Rating: Low

Math for Success will assist students to acquire the necessary math skills to be successful in any level of mathematics at the high school or college level. This is an online blended course using ALEKS software to develop each student's pathway. The class is excellent for any student who would like to increase his/her math skill level. This course can also count as a 4th related math class for senior year.

The fourth math related requirement may be completed through successful participation in any of the following courses or CTE Programs during senior year.

GLHS
Accounting
Entrepreneurs and Business Leaders
Marketing
Personal Finance EDL & LTP
Technical Drawing I
Technical Drawing II CAD

*All CTE Classes count as a 4th related math course.

Health

Course Number: 8010 Credit: .5
Grade: 9 Homework Rating: Medium
Prerequisite: None

This course is designed to give the student a basic understanding of what health is and how decisions regarding our health can affect our lives every day. Specific topics discussed include Decision Making, Tobacco, Alcohol and other Drugs, CPR, the Reproductive System, Contraception, Sexually Transmitted Diseases, HIV/AIDS, and Abstinence.

Introduction to Fitness

Course Number: 8020 Credit: .5
Grades: 9-12 Homework Rating: Low
Prerequisite: None
NOTE: THIS COURSE OR STRENGTH AND CONDITIONING IS REQUIRED FOR GRADUATION

This class will provide students with an introduction to the weight room, physical fitness activities, and team sports. Emphasis will be focused on the foundations of fitness, weight training safety, and sports related activities. Participation is required. This course may not be repeated.

Lifetime Sports

Course Number: 8040 Credit: .5
Grades: 10-12 Homework Rating: Low
Prerequisite: Introduction to Fitness

The Lifetime Sports class will provide students with instruction and interaction in some of the sports that people play throughout the course of their lives. Emphasis will be on life fitness and activities. Activities will be determined by the season the class is offered and may include Presidential physical fitness testing, volleyball, basketball, tennis, soccer, softball, badminton, pickleball, ultimate frisbee, Tae Bo, and weight training and bowling. Participation is required. A fee may be required for some activities. This course may be repeated with teacher approval.

Strength and Conditioning

Course Number: 8050 Credit: .5
Grades: 9-12 Homework Rating: Low
Prerequisite: None
NOTE: THIS COURSE OR INTRODUCTION TO FITNESS IS REQUIRED FOR GRADUATION

This course is designed to give students a variety of fitness opportunities to improve on strength training, cardiovascular fitness, and flexibility. There will also be a component on nutritional education. Participation is required. This course may be repeated with teacher approval.

Advanced Physical Education

Course Number: 8060 Credit: .5
Grades: 10-12 Homework Rating: Low
Prerequisite: Introduction to Fitness

This class is designed for the student athlete that is serious about advancing their individual sport, skill, and fitness level. This course will include, strength, speed, agility, and sport specific skill training to develop you as a Gull Lake Varsity Athlete. This course is also intended to improve the student's physical efficiency to meet the demands of everyday living. Students will be given an understanding of the nature of physical fitness and an appreciation of the benefits of hard work toward sport specific goals.

Introduction to Fencing

Course Number: 8090 Credit: .5
Grades: 10-12 Homework Rating: Low
Prerequisite: Introduction to Fitness

The first level of fencing includes the basic fencing skills as well as an introduction to the sport of Olympic fencing. The fencing students will learn on the training sword, the foil. They will also learn the basics of movement, blade engagement, beginning bouting, as well as the basic rules in modern fencing. If time permits, they will also be introduced to the other two Olympic blades, the Epee' and the Saber. The history of fencing and dueling will be given between the exercises to complete the basic knowledge of the sport. This course may be repeated for a maximum of 1 credit.

Science

Class/ Course	Requirements		Choose at least ONE* to get 3 credits Highly recommend 2
Biology/ Concepts	A	B	
Chemistry/ Concepts	A		B*
Physics/ Concepts	A		B*
Earth and Space Science	A		B
	Many electives, AP, EFE, CTE, dual enrollment, and virtual options can count for additional science credits.		* completion of full Chemistry or Physics is recommended

Concepts of Biology

Course Number: 902A & 902B
Grades: 9
Standard: MMC NOT NCAA
Prerequisite: Teacher/counselor placement only
Credit: 1
Homework Rating: Low

This course is designed to meet the state Biology requirements for graduation at an introductory level. Concepts of Biology A will emphasize microscopic areas of life science. Topics include chemistry of life, cell structure and function, energy, and classification of organisms. Concepts of Biology B will emphasize macroscopic areas of life science. Topics include genetics, evolution, cell division, protein synthesis, and ecology.

Biology

Course Number: 903A & 903B
Grades: 9
Standard: MMC, NCAA
Prerequisite: none
Credit: 1
Homework Rating: Medium-High

This course is designed to meet the state Biology requirements for graduation at a more rigorous level. Biology A will emphasize microscopic areas of life science. Topics include chemistry of life, cell structure and function, energy, and classification of organisms. Biology B will emphasize macroscopic areas of life science. Topics include genetics, evolution, cell division, protein synthesis, and ecology. Formal lab reports will be required.

Concepts of Physics

Course Number: 904A & 904B
Credit: 1
Grades: 10-12
Homework Rating: Low
Standard: MMC NOT NCAA
Prerequisite: Biology / Concepts of Biology and teacher recommendation. Algebra recommended.

This course is designed for those students who wish to better understand how the natural world behaves. Physics is a study of nature's rules! Topics include motion, forces, momentum, energy, gravity, waves, sound, light, electricity, and magnetism. The emphasis of this course will be to understand the everyday applications of physics through hands-on experience. Laboratory experiences will be group focused and students are expected to be engaged in the learning process. Concepts level physics will involve some math applications, but the emphasis will be on conceptual learning.

Physics

Course Number: 905A & 905B
Credit: 1
Grades: 10-12
Homework Rating: Medium
Standards: MMC, NCAA
Prerequisite: Biology, Plane Geometry and teacher recommendation.

Physics is the study of nature's rules! Topics include motion, forces, momentum, energy, gravity, waves, sound, light, electricity, and magnetism. This course is designed to introduce students to the principles of physics along with the skills of problem solving. Classroom structure and subject content will be group focused with students learning from and working with their peers. Hands-on laboratory experiences will be extensive and inquiry based. Students will be expected to work as a cooperative member of a laboratory team and be engaged in the learning process. Mathematical applications and problem solving will be emphasized, along with, meaningful conceptual understanding. Engineering projects may be required.

Concepts of Chemistry

Course Number: 906A & 906B
Credit: 1
Grades: 10-12
Homework Rating: Low
Standards: MMC NOT NCAA
Prerequisite: Biology/Concepts of Biology and teacher recommendation. Algebra recommended.

This course is designed to introduce the students to the principles of Chemistry while reducing the math application content. Classroom structure and subject content will be group focused with students learning from and working with their peers. Laboratory experiences will be inquiry based with proper guidance along the way to support the learner. Proper laboratory technique and principles of safety will be taught. Lab reports will be scaffolded and structured to support student learning of the subject material in every unit. Students will be expected to work as a cooperative member of a team and work independently in problem solving situations. Topics to be presented in Concepts of Chemistry A will include the particle nature of matter, gas laws and pressure, density, energy of particles, the mole and molar mass, and internal structure of the atom. Topics to be presented in Concepts of Chemistry B will include periodicity, chemical reactions and equations, energy of chemical reactions, stoichiometry, and kinetics.

Chemistry

Course Number: 907A & 907B
Credit: 1
Grades: 10-12
Homework Rating: Medium
Standards: MMC, NCAA
Prerequisite: Biology, Algebra OR teacher recommendation.

This course is designed to introduce the student to the principles of Chemistry. Classroom structure and subject content will be group focused with students learning from and working with their peers. Laboratory experiences will be extensive and inquiry based. Proper laboratory technique and principles of safety will be taught and stressed. Formal lab reports will be required every unit. Students will be expected to work as a cooperative member of a team and work independently in problem solving situations. Mathematical applications and problem solving will be emphasized. Students should have a calculator with scientific notation and exponential ability. Students should plan on spending an average of 45 minutes to an hour daily studying Chemistry outside of class. Topics to be presented in Chemistry A will include the metric system, unit analysis, gas laws and pressure, density, energy of particles, the mole and molar mass, and internal structure of the atom. Topics to be presented in Chemistry B will include periodicity, chemical reactions and equations, energy of chemical reactions, stoichiometry, and kinetics.

Environmental Issues

Course Number: 9120
Credit: .5
Grades: 10-12
Homework Rating: Medium
Standards: MMC, NCAA
Prerequisite: Biology/Concepts of Biology required, Chemistry/Concepts of Chemistry recommended.

Environmental Issues is designed to provide students with an understanding of the impact humans have on the environment and the impact the environment has on humans. We will cover topics including the history of environmental issues and how we got to where we are today, sustainability, human population growth, human use of resources, climate change, and biodiversity. This course requires independent and outside reading and students will be expected to work to identify environmental issues and suggest solutions as well as present to the class.

Anatomy and Physiology

Course Number: 9170
Credit: .5
Grades: 10-12
Homework Rating: Medium
Standards: MMC, NCAA
Prerequisite: Biology required, Physics and/or Chemistry are recommended.

Anatomy and Physiology will cover the structure and the function each of the human body systems. Several dissections will be completed in order to illustrate the features of these systems. Additionally, students will look at comparisons between the systems found in invertebrates and vertebrates other than mammals/humans. Disease conditions common to each system will be included in each unit. Students will be expected to complete several short papers and one large project, and work independently to memorize substantial information.

Forensic Science

Course Number: 9180
Credit: .5
Grades: 10-12
Homework Rating: Medium
Standard: MMC, NCAA
Prerequisite: Chemistry A / Physics A and Biology

This course surveys key topics in forensic science including the application of scientific process to forensic analysis, procedures and principles of crime investigation, physical and trace evidence. Through lessons, laboratories and analysis of fictional crime scenarios students learn about forensic tools, technical resources, forming and testing hypotheses, proper data collection and responsible conclusions. This course is heavily based in lab work (both the collection of data and communication of findings). Therefore, students will write multiple lab reports for each unit.

Advanced Placement Physics 1

Course Number:913A, 913B, 913C
Credit: 1.5
Grades: 10-12
Homework Rating: High
Standard: College Board, NCAA
Prerequisite: Data Analysis and Advanced Algebra and teacher recommendation. (Recommended to be currently taking Trigonometry)
NOTE: This course will only run based on the amount of requests.

AP Physics focuses on the big ideas typically included in the first semester of an algebra-based, introductory college-level physics sequence and provide students with enduring understandings to support future advanced work in the sciences. Through inquiry-based learning, students will develop critical thinking and reasoning skills. Students will cultivate their understanding of physics and science as they explore the following topics: Kinematics, Dynamics, Circular motion, Fluids, Gravitation, Simple har- monic motion, Momentum, Work, Energy, and Rotational Motion. Electricity and Waves may be addressed after the AP exam. It is assumed that students will have considerable reading and math skills and can work at an accelerated pace.

Advanced Placement Biology

Course Number: 914A, 914B, & 914C
Credit: 1.5
Grades: 10-12
Homework Rating: High
Standard: College Board, NCAA
Prerequisite: Biology, Chemistry and teacher recommendation.
NOTE: This course contains lab activities which may include dissections
This course will only run based on the amount of requests.

Advanced Placement Biology offers students interested in the biological sciences an opportunity to pursue a college level biology course while in high school. This course will cover the AP College Board requirements for preparing for the AP Exam in May. Topics include the Process of Evolution, Utilization of Free Energy, Molecular building blocks of life, the Response of Living Systems to Information and the Interactions of Living Systems with each other and their environments. Current biological concepts, investigative procedures and laboratory tests will be introduced to broaden the students' understanding and experience in this science. Many of these lab experiences will be inquiry based. It is assumed that students will have good reading skills and will be able to budget their time to maintain a regular schedule of reading assignments. The third trimester will prepare students for the Advanced Placement Exam. It will also contain independent labs and projects. Dissections are possible.

Advanced Placement Chemistry

Course Number: 915A, 915B, & 915C
Credit: 1.5
Grades: 11-12
Homework Rating: High
Standard: College Board, NCAA
Prerequisite: Chemistry and teacher recommendation

This class allows students the advantage of having previewed the introductory level of college Chemistry. Students must be able to work at an accelerated pace. It is assumed that students will have considerable reading, writing and math skills. Students will be expected to work independently with a group in the laboratory. Problem solving coursework will add greater scope and detail to topics already covered in Chemistry. Principles and concepts concerning thermodynamics, kinetics, molecular structure, equilibria, and electrochemistry will be discussed and applied. Formal lab reports will be written frequently. The third trimester will concentrate on Advanced Placement Exam preparation. A research project and a video project may also be required.

Earth and Space Science

Course Number: 919A & 919B
Credit: 1
Grades: 9-12
Homework Rating: Medium
Standard: MMC, NCAA
Prerequisite: None

This course is designed to meet the state Earth and Space Science requirements for graduation.
ESS A is a one trimester course. Topics that will be covered include astronomy - the study of space and our place in it, as well as its formation and how changes in space affect our planet; geology - the study of the solid Earth, how and why it has changed over time, as well as how those changes have affected life. These studies will be made with a systems-based mindset, a focus on the interrelationships between different parts of the Earth and Space systems.
ESS B will cover topics such as: cycling of matter and energy -including investigations into the hydrosphere and Carbon cycle; meteorology - the study of weather and climate, how energy and water flow cause changes in Earth's weather/climate and how humans respond to these changes; and human sustainability -a look at the use of our natural resources, our response to natural hazards, and the overall human impact on the planet.

Social Studies

Civics

Course Number: 601A & 601B
Grade: 9
Standard: MMC, NCAA
Prerequisite: None
Credit: 1
Homework Rating: Medium

In Civics A, through active inquiry and participation, students will learn about the rights and responsibilities of citizenship, basic governmental structures, the U.S. Constitution's format and history, political parties, and elections. Throughout the course, students will apply the core values of our constitutional democracy to current and historical events, key documents, and a public policy issue. In Civics B, students will learn about the executive, legislative and judicial branch of the national government. Students will be able to use the U.S. Constitution to understand the structures and principles of the three branches. In addition, students will learn about state and local governments and international relations. Students will also be applying the U.S. Constitution—specifically the Bill of Rights—to landmark Supreme Court decisions. Throughout the course, students will apply the core values of our constitutional democracy to current and historical events and key documents.

U.S. History and Geography

Course Number: 602A & 602B
Grade: 10-12
Standard: MMC, NCAA
Prerequisite: None
Credit: 1
Homework Rating: Medium

The object of this course is to acquire knowledge of our American heritage and to gain an appreciation of the efforts made by earlier Americans in their struggle to build a nation. This course will examine the military, political, social, geographic, and economic developments during the 20th Century to the present that have made America the nation it is today. There will be an emphasis on geography and its role in shaping the history of America. The contributions of outstanding individuals, major events, and social movements will also be studied. Part A will deal with event occurring from about 1890 to 1945. Part B will cover 1945 to the present.

World History and Geography

Course Number: 603A & 603B
Grade: 10-12
Standard: MMC, NCAA
Prerequisite: None
Credit: 1
Homework Rating: Medium

This course is designed to offer the student a global perspective of world history. It is a chronological survey of world history from the beginning of global interaction to present day. Geography, critical thinking skills, and writing skills will be emphasized. The goal of this class is to examine political, economic, social, and cultural diffusion over time. World History and Geography A will encompass the period from 1000 to 1850. Part B will cover 1850 to the present.

Economics

Course Number: 6070
Grades: 1 1 - 12
Standard: MMC, NCAA
Prerequisite: None
Credit: .5
Homework Rating: Medium

This course will include the study of microeconomics and macroeconomics. Students will use an economic way of thinking to study the market economy, national economy, the international economy, and personal finance. This course will put special emphasis on economic reasoning, problem solving, decision making, and analyzing real-life situations.

Advanced Placement U.S. History

Course Number: 605A, 605B, & 605C
Grades: 10-12
Standard: College Board, NCAA
Prerequisite: Recommendation of Social Studies teacher.
NOTE: THIS COURSE SATISFIES THE U.S. HISTORY / GEOGRAPHY GRADUATION REQUIREMENT.
Credit: 1.5
Homework Rating: High

Advanced Placement United States History is a challenging class meant to be the equivalent of a college level history course and can earn students' college credit. It is a 36-week survey of American history from the age of exploration and discovery to present day. Solid reading and writing skills, along with a willingness to devote considerable time to homework and study are necessary to succeed. Emphasis is placed on critical thinking skills, essay writing, and interpretation of original documents. An exam prepared by the College Board will be offered in May.

Advanced Placement World History

Course Number: 606A, 606B, & 606C
Credit: 1.5
Grades: 11-12
Homework Rating: High
Standard: College Board, NCAA
Prerequisite: Teacher recommendation
NOTE: THIS COURSE SATISFIES THE WORLD HISTORY/GEOGRAPHY GRADUATION REQUIREMENT.

The AP World History course is designed to develop a greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. The course highlights the nature of change over time and causes and consequences within a historical framework. Content covers the world from 1200 up to the present. A college level text is used alongside outside readings. Emphasis is placed on the analysis and interpretation of historical documents, essay writing and in class discussion. The class will give students those experiences necessary for taking the AP exam in May, which may qualify the student for college credit.

Advanced Placement Economics

Course Number: 615A, 615B, & 615C
Credit: 1.5
Grades: 11-12
Homework Rating: High
Standard: NCAA
Prerequisite: None

AP Economics is a 3 trimester course designed to teach the principles of economics. This class will explore how the economy works and why people make the decisions that they do. Split into two parts, AP Economics allows students to take 2 different AP exams and earn up to 6 college credits. In the Macroeconomics portion of the course, we will explore the larger economy to understand how the government, banks, businesses, and other economic forces contribute to markets, effect prices, and impact trade and consumption. In the Microeconomics portion of the class, we will explore how and why businesses make specific decisions, how people evaluate how to use their resources, and how prices are determined. Overall, this course will give students a solid basis for understanding the world around them and how the economy works and the ability to talk about economic issues in an informed way.

Advanced Placement Psychology

Course Number: 616A, 616B, & 616C
Credit: 1.5
Grades: 11-12
Homework Rating: High
Standard: NCAA
Prerequisite: None

The AP Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with major units of study, including biological bases of behavior, cognition, development, learning, social psychology, personality, and mental and physical health. Throughout the course, students apply psychological concepts and employ psychological research methods and data interpretation to evaluate claims, consider evidence, and effectively communicate ideas. The class will give students those experiences necessary for taking the AP exam in May, which may qualify the student for college credit.

History of Religions and Cultures

Course Number: 6091
Credit: .5
Grades: 10-12
Homework Rating: Medium-High
Standard: NCAA
Prerequisite: None

This class will survey themes in various religious traditions. The course studies how these religious traditions conceive of gods and world orders founders and saviors practice and communities. The course will look at their history and contemporary status. The class will also look at the Philosophies of life. Emphasis is placed on analysis and interpretation of documents, essay writing and in class discussion. The following topics will be covered in depth: Islam, Judaism, Christianity, Hinduism, Buddhism, and Myths and Personal Philosophies

Global Diplomacy and International Relations

Course Number: 6092
Grades: 9-12
Standard: NCAA
Prerequisite: None

Credit: .5
Homework Rating:Low

This course provides students with the knowledge and skills necessary to succeed in Model United Nations (MUN) and develop a deeper understanding of international relations, global issues, and diplomacy. Students will study historical and contemporary global events, explore the functions of the United Nations, and practice critical thinking, research, writing, and public speaking. The course will culminate in participation in MUN conferences. This class covers Gull Lake School's commitment to reading, writing, and speaking with purpose. In taking this course students will understand the structure and functions of the United Nations and its specialized agencies, be able to analyze historical and contemporary global issues, develop skills in research, critical thinking, resolution writing, negotiation, and public speaking, learn about diplomacy, foreign policy, and international law and engage in simulations to apply skills in a Model UN setting.

Sociology

Course Number: 6100
Grades: 10-12
Standard: NCAA
Prerequisite: None

Credit: .5
Homework Rating: Medium

Sociology is the study of human beings in their group experiences from the viewpoints of the structure of the group and the function of the group. It is also how human behavior may be or is influenced by various groups. This course attempts to examine clearly and logically sociological problems, acquaint the student with contributions of social scientists to the study of human society, to help the student gain an understanding of his/her own group associations, to learn the terms and concepts necessary for a basic understanding of his/her own group associations, and to learn the terms and concepts expected for a basic understanding of the course.

United States History Through Film

Course Number: 6110
Grades: 11-12
Standard: NCAA
Prerequisite: None

Credit: .5
Homework Rating: Medium

This class covers major events and themes from United States history. Major social, political, cultural, and military topics will be covered through the use of film and supplemental readings. Historical accuracy's and inaccuracies will be discussed and studied. Major Hollywood productions and some lesser-known films will be used in this class. The class will be taught through film assignments, various readings, discussion, written exercises, and project presentations.

Introduction to Psychology

Course Number: 6130
Grades: 10-12
Standard: NCAA
Prerequisite: None

Credit: .5
Homework Rating: Medium-High

Introduction to Psychology is a broad survey of the field of psychology. The course includes such topics as learning, thinking, intelligence perception, creativity, developmental psychology, biological basis of behavior, emotions, states of consciousness, abnormal psychology, social psychology, personality theory and modern therapy. Techniques of psychological research will also be emphasized.

Global History from 1500-Present: KELLOGG COMMUNITY COLLEGE DUAL ENROLLMENT

Course Number: DE-HIST202
Grades: 11-12
Standard: NCAA Prerequisite:

Credit: 1 (Fall Semester)
Homework Rating: Medium-High

An interdisciplinary study of various world civilizations in Africa, the Americas, Asia, and Europe from 1500 C.E. (Common Era) to the present. This course will use a comparative approach to study a variety of global themes and patterns over time.

World Language

Spanish 1

Course Number: 404A & 404B
Grades: 9-12
Standard: NCAA
Prerequisites: None
Credit: 1
Homework Rating: Medium

A basic understanding of a second language can add to an individual's cultural development, as well as one's opportunities in today's global economy. The purpose of this class is to familiarize the student with the Hispanic culture and to help students gain mastery of the fundamental building blocks of the Spanish language through grammar and vocabulary. In Spanish I. Students will be introduced to the basic skills of a second language through listening, speaking, reading, and writing. An emphasis is placed on aural/oral skills through vocabulary study and correct pronunciation of simple dialogue and short phrases. Spanish culture is introduced in each lesson and is further emphasized through various media and student projects. By the end of Spanish 1, students should be able to maintain simple face-to-face conversations in predicable settings. Students will be able to create language by combining and recombining elements of learned materials.

Spanish 2

Course Number: 405A & 405B
Grades: 9-12
Standard: NCAA
Prerequisite: Successful completion of Spanish 1
Credit: 1
Homework Rating: High

In Level 2 Spanish, the emphasis on oral communicative skills is continued. However, emphasis is now placed on more correct usage through more complete sentences. Also, there will be increased person-to-person communication. Students are encouraged to speak as much Spanish in class as possible. English will be used at a minimum. Complex verb tenses are introduced and strengthened through constant assessment. The reading and writing skills from Spanish I will be broadened. Hispanic culture will be further explored. Daily assignments will be required.

Spanish 3

Course Number: 406A & 406B
Grades: 10-12
Standard: NCAA
Prerequisite: A "C" average in level Spanish 2 and Teacher Signature
Credit: 1
Homework Rating: High

Level 3 Spanish is designed to provide students with additional review and practice of previously learned structures before advancing to intermediate level grammar. Students will continue to refine their skills in the areas of speaking, writing and listening. Complex verb tenses are introduced and strengthened through constant assessment in verb quizzes that are more in depth. Finer points in grammar are introduced with a particular emphasis on the subjunctive mood. There is continued special study through World Language projects that research Hispanic authors and are presented in the target language. Short literary works will be covered. Daily assignments are required.

Spanish 4

Course Number: 407A & 407B
Grades: 10-12
Standard: NCAA
Prerequisite: A "C" average in Spanish III and Teacher Signature
Credit: 1
Homework Rating: High

Speaking, listening, reading and writing correctly in Spanish are refined at this level. Students move from a previously structured use of the language to a more sophisticated use of their acquired skills. Students will also read and discuss short literary selections in Spanish. Students acquire skills in essay writing that are necessary tools for entry into AP Spanish. Verb assessments are increased in frequency and in number of verb tenses assessed. Daily assignments are required. The course is conducted completely in Spanish in the second trimester of Spanish IVB.

Support Services

The mission of GLCS is to educate every child to his or her full potential. National research indicates that approximately 80% of students are successful in performing to grade level content standards with general classroom instruction and materials. We also know that students do not come to us as "one size fits all" learners and have different learning styles and rates. GLCS utilizes the Response to Intervention (RTI) model which inte- grates assessment and intervention within a multi-level prevention system to maximize student achievement. Students identified as at-risk for poor learning outcomes may be provided with additional support through the classes listed below. These classes provide evidence-based interventions, in which the intensity and nature of these interventions will be adjusted according to a student's responsiveness. Modifications can be made to the Michigan Merit Curriculum based on student needs.

Learning Strategies 9-10

Course Number: 003A, 003B, & 003C
Grades: 9-10
Prerequisite: I.E.P. Recommendation
Credit: .5
Homework Rating: Low

This course is for those students who need additional support in developing or maintaining academic related skills and will receive specific instruction in the areas identified on the students' Individual Education Plans (IEP's). Students will also participate in activities related to curriculum topics such as career exploration, enhancing learner behaviors, increasing self-advocacy skills, and transition planning. Additionally, students will also receive additional support with assignments and assessments from their other classes.

Learning Strategies 11-12

Course Number:005A, 005B, & 005C
Grades: 11-12
Prerequisite: I.E.P. Recommendation
Credit: .5
Homework Rating: Low

This course is for those students who need additional support in developing or maintaining academic related skills and will receive specific instruction in the areas identified on the students' Individual Education Plans (IEP's). Students will also participate in activities related to curriculum topics such as employability skills, disclosure, and post-secondary transition planning while continuing to enhance/maintain learner behaviors and self-advocacy skills. Additionally, students will also receive additional support with assignments and assessments from their other classes.

ALC- Alternative Learning Curriculum

Course Number: 007A, 007B, & 007C
Grades: 9-12
Prerequisite: I.E.P. Recommendation
Credit: .5
Homework Rating: Low

These courses are designed to provide an alternative to the credit-based curriculum. Emphasis is on functional academics as well as skills needed for independent living.

Guided Study

Course Number: 008A, 008B, & 008C
Grades: 9-12
Prerequisite: Counselor/Principal/504/CAT approval
Credit: .5
Homework Rating: Low

This class is designed to help high school students experiencing academic difficulties. This is a guided instructional period where skills are taught, and students are given assistance to keep pace with their core class load. Guidance from teachers and peers will be promoted. Students will access online supports, and proper use of technology will be enforced.

Peer to Peer/LINKS

Course Number: 5840
Grades: 10-12
Prerequisite: Coordinator/Counselor Approval
Credit: .5
Homework Rating: Low

This class is a trimester elective course designed to facilitate awareness of individuals with special needs, the systems they require for placement in general education classes, and the benefits of peer-to-peer support in the least restrictive environment. LINKS students will be supporting peers with an Individualized Education Plan in a variety of settings at the teacher's discretion. **Teacher recommendation required for student to have initial enrollment in the course. Course may be repeated with teacher recommendation.**

Education for the Arts 2025-2026	Class Location	Michigan Merit Credit
DANCE		
Trimester Offerings		
Beginning Dance Studio	Parchment High School	VPAA and PE (per school district)
Full Year Offerings		
Intermediate Dance Studio (prerequisites)	Kalamazoo Central High School	VPAA and PE (per school district)
Intermediate Dance Studio (prerequisites)	Loy Norrix High School	VPAA and PE (per school district)
World Dance	Loy Norrix High School	VPAA
MEDIA ARTS		
Full Year Offerings		
3D Computer Animation/Game Design	Epic Center PMN	VPAA
Creative Game Design	Epic Center	VPAA
Film and Video Arts & Adv FVA	Kalamazoo Central High School or Vicksburg High School	VPAA
Multi Media Storytelling	Epic Center	VPAA
Semester Offerings		
Digital PhotoArt	Online and Epic Center PMN	VPAA and online requirement
Digital StudioArt	Online and Epic Center PMN	VPAA and online requirement
THEATRE AND MUSIC		
Full Year and Trimester Offerings		
Advanced Musical Theatre Workshop	Loy Norrix High School	VPAA
Theatre Improv and Scriptwriting	Crawl Space Theater	VPAA
Hip Hop 180	Loy Norrix High School	VPAA
VISUAL ARTS		
Full Year Offering		
Advanced Visual Arts Studio	Kal. Institute of Arts or Kalamazoo Central High School	VPAA
Semester Offering - Evening		
Visual Art Exploration	Kal. Institute of Arts	VPAA
LITERARY ARTS		
Semester Offerings		
Creative Writing Online	Online	VPAA
Comics, Manga, and Graphic Novel Arts	Online	VPAA
DUAL ENROLLED PROGRAM: MEDIA ARTS		
Full Year Offering		
KVCC Media Arts Sem 1: ANM 100 Adobe Creative Suite Sem 1: ART 103 Drawing and Composition Sem 2: ANM 142 Adobe PhotoShop Sem 2: ANM 143 Adobe Illustrator	KVCC Center for New Media	VPAA

Education for the Arts
2025-2026 Course Descriptions

Dance	
Course Title	**Description**
Beginning Dance Studio	Learn the basic elements and discipline of formal dance technique, exploring classical modern dance, ballet, jazz, hip-hop, and cultural dance styles. Exploration of dance-related 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 an EFA dance concert at the end of each term. They will have the opportunity to take field trips to see live dance concerts and attend master classes. Students will work with professional dance educators and guest artists.
Intermediate Dance Studio	Intermediate Dance is for students who have completed a beginning EFA class, have previous dance/movement experience and are committed to a full year of dance instruction. Students will further their training through in-depth instruction and structured small group student exploration in formal dance technique, classical modern dance, ballet, jazz, hip hop, and cultural dance styles. Exploration of dance-related subjects will include movement improvisation, composition, and dance history. Students will gain performance, composition, and choreographic skills and develop observation, analysis, critical thinking, and reflection skills. Students will prepare and produce a dance presentation each semester. The class will take field trips to professional dance concerts and work with master guest artists.
World Dance (Semester)	Students will learn about the origins and history of Dance from around the world. This class will explore the cultural and historical context of many indigenous dances from across the globe through media and readings. Students will experience kinesthetically authentic dance forms and their influence on contemporary dance.
Theatre and Performing Arts	
Advanced Musical Theatre	Using a workshop approach, students will experience an in-depth study of musical theatre to enhance their appreciation of the genre and improve their practical performance skills in acting, vocal, and dance performance. Mentored by theatre, vocal, and dance educators and guest artists, students will 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.

Theatre Improv and Scriptwriting	Through in-depth study and practice, students will learn the basics of improvisation, writing, directing, and acting for the stage, as well as integrating images and music into their theatrical performances. Students work with practicing artists exploring different forms of theatre, from classical to contemporary. These experiences will inform the development of each student's distinct writing style. Students will participate in at least two class performances and visit area theatres to experience a variety of stage productions.
Hip Hop 180	Activate your voice and amplify your vision through the power of performance rap/poetry, music, and movement. Dig into the history of Hip Hop culture and social justice leadership to build skills, decipher contexts, and determine truths. Then merge your artistic and activist knowledge and techniques to enact meaningful, positive social change in y(our) community.

Literary Arts

Creative Writing Online Web Based	Through studying written works in various forms and the regular practice of writing, students will better understand the creative writing process. Students will also collaborate on a few projects and 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 a student performing one of their assignments, and an online portfolio
Comics, Manga and Graphic Novel Arts Web Based	Activate your voice and amplify your vision through the power of performance rap/poetry, music, and movement. Dig into the history of Hip Hop culture and social justice leadership to build skills, decipher contexts, and determine truths. Then merge your artistic and activist knowledge and techniques to enact meaningful, positive social change in y(our) community.

Media Arts

Films and Video Arts	Film and video arts introduces students to the creation and study of time-based media in video and film. Students work with the latest digital technology to create a variety of works that help them mold and define their own personal visual style for innovative, artistic communication.
Advanced Video Arts Studio	Advanced Video Arts Studio (AVAS) is a project-based video class for students who have already taken EFA Film Video Arts. The class concentrates on individual student films that will be used for portfolio work and entered into video competitions. Students learn about lighting, sound, directing, and advanced filming and editing techniques.
3D Computer Animation	Introduction to the technical and creative fundamentals of 3D Animation software. Students learn core concepts such as modeling, mapping, storyboard/scripting, and rendering. Students create original characters and environment designs and animate characters in landscapes.

Creative Game Design	This project-focused course will teach students the fundamentals of game design. Through practice and study students learn about the powerful stories that can be told through in-person, real-time games. Students create board games, card games, role-playing games, and video games, and explore adjacent forms of interactive media. Students develop storytelling and graphic design skills while gaining a greater understanding of fun and the nature of play.
Multimedia Storytelling	Learn how to tell true stories with real impact by creating podcasts, documentaries, and news segments. Students have hands-on experience with recording interviews, capturing footage, and editing while exploring the power of journalism and documentaries to share real-world issues and unique perspectives. By the end of the course, you create original projects to show off—perfect for anyone ready to create content that makes a difference!

KVCC Media Arts	Create artworks using computers and learn how art communicates emotions and ideas. Projects include digital photograph manipulation, art for the Internet, stereo 3D images, digital painting, and combining traditional media with new technologies.
Digital StudioArt	This class introduces the basics of drawing and painting using digital means, as well as the basics of digital imaging using Adobe Photoshop and Illustrator. The course is built around the core elements of visual art, such as line, shape, value, and color, with an additional emphasis on learning and using imaging software tools.
Digital PhotoArt	This class will introduce, enhance, and refine students' ability to express themselves with the aid of digital cameras. Students will learn proper photographic techniques, computer enhancement of photos, printing, and professional presentation techniques. Students will have many assignments ranging from core photography fundamentals to immersive pieces of personal expression. They will leave class with the beginnings of a portfolio and knowledge to continue and expand their work in the future.

Visual Arts

Visual Arts Exploration	Explore creating sculpture, photography, jewelry, painting, and more at the Kalamazoo Institute of Arts. Work alongside practicing professional artists as they share their art-making knowledge and expertise.
Advanced Visual Arts Studio	Deepen your creativity and visual arts skills at the Kalamazoo Institute of Arts. Take advantage of the professional facilities, equipment, and master guest artists. This studio class offers advanced study in sculpture, oil painting, jewelry, photography, welding, printmaking, ceramics, and more. Develop a Visual Arts Portfolio and learn presentation skills to apply for college scholarships and student art shows.

Kalamazoo Countywide Career and Technical Education Courses (CTE) for Merit Academic Credit 2025-2026

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 County Curriculum Coordinators starting in 2022-23.)
- **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** indicate a completed program.

Agriculture, Food, and Natural Resources Pathway	Site	Visual, Performing & Applied Arts
Conservation Biology	Kalamazoo Nature Center Heronwood	
Horticulture	Career Connect Campus	
Veterinary Science	Career Connect Campus	
Architecture and Construction Trades Pathway	**Site**	**Visual, Performing & Applied Arts**
Construction Trades	Career Connect Campus	
Electrical Technology	Career Connect Campus	
HVAC and Refrigeration	Career Connect Campus	
Plumbing	Career Connect Campus	
Business, Management, Marketing and Technology Pathway	**Site**	
Accounting/Finance	*Gull Lake	
Business Administration, Management & Operations	*Gull Lake	
Computer Science Software Engineering	*Gull Lake	
Marketing/Entrepreneurship	*Gull Lake	Yes
Web Design/Graphics	*Gull Lake	Yes
Culinary Arts Pathway	**Site**	**Visual, Performing & Applied Arts**
Culinary Arts	Career Connect Campus	Yes
Design Pathway		
Design	Career Connect Campus	Yes
Engineering/Manufacturing & Industrial Trades Pathway	**Site**	
Machine Tool	Career Connect Campus	Yes
Mechatronics Robotics & Industrial Tech	Career Connect Campus	Yes
Supply Chain	Career Connect Campus	
Welding	Career Connect Campus	Yes
Health Sciences Pathway	**Site**	**Visual, Performing & Applied Arts**
Dental Assisting	Career Connect Campus	
Emergency Medical Technician (EMT)	KVCC Bronson	
Medical Laboratory Sciences	Career Connect Campus	
Patient Care Technician	Career Connect Campus	
Pharmacy Technician	Career Connect Campus	
Rehabilitation Therapy	Career Connect Campus	
Human Services Pathway	**Site**	**Visual, Performing & Applied Arts**
Barbering	KVCC- Texas Township	Yes
Cosmetology	KVCC- Texas Township	Yes
Criminal Justice and Public Safety	KVCC-Texas Township	
Educator Academy	Career Connect Campus	Yes
Information Technology Pathway	**Site**	**Visual, Performing & Applied Arts**
Computer Programming	Career Connect Campus	Yes
Computer Systems Networking and Telecom	Career Connect Campus	Yes
Cybersecurity	Career Connect Campus	Yes
Transportation Distribution and Logistics Pathway		
Automotive Technology	Career Connect Campus	
Aviation	Air Zoo	
Heavy Equipment Maintenance	Career Connect Campus	

Education for Employment
2025-2026 Course Descriptions

AGRICULTURE, FOOD, AND NATURAL RESOURCES PATHWAY

COURSE TITLE	DESCRIPTION
Conservation Biology	Examine ecological and applied biological science through classroom, lab, and field work outdoors at the Kalamazoo Nature Center. Major units of the class include: biodiversity, forestry, climate change, soil, water, wildlife, and human impacts on the natural world. Interact with natural resource conservationists and wildlife biologists to gain the necessary skills for employment in this field. *Potential for articulated credits with Davenport University *2nd World Language Credit *3rd Science Credit *4th Related Math Credit
Horticulture	Engage in every aspect of plant production, from crop selection to final sale. Learn plant biology, taxonomy, soil science, and modern production techniques while building a professional portfolio of work. This program prepares students for continued education or employment in the horticulture industry. *Potential for articulated credits with Kalamazoo Valley Community College *2nd World Language Credit *3rd Science Credit *4th Related Math Credit
Veterinary Science	Build foundational knowledge of animal anatomy, medical terminology, and healthcare in a hands-on clinical environment. To prepare for veterinary assistant careers or continued education in related areas, learn animal care and handling, anatomy and physiology, surgical preparation, pharmacology, and client relations. *Potential for articulated credits with Davenport University, Michigan State University *2nd World Language Credit *3rd Science Credit *4th Related Math Credit Credential option: Certified Veterinary Assistant (CVA) Texas Veterinary Medical Association

ARCHITECTURE AND CONSTRUCTION TRADES PATHWAY

COURSE TITLE	DESCRIPTION
Construction Trades	Build hands-on skills in the construction industry. Learn hand and power tool use, blueprint reading, design, and basic carpentry skills to support successful careers in residential and commercial construction. This course provides a foundation to pursue a wide variety of construction pathways, including related apprenticeships, residential building, and commercial construction careers. * This program is a partnership with Kalamazoo Valley Habitat for Humanity. *Potential for articulated credits with Baker College, Kalamazoo Valley Community College *2nd World Language Credit *3rd Science Credit *4th Related Math Credit *Visual Performing & Applied Arts Credit Credential option: United Brotherhood Career Connections
Electrical Technology	Engage in hands-on electrical installations ranging from residential wiring to commercial building projects. To prepare for apprenticeships and residential, commercial, and industrial electrical careers, the course focuses on electrical theory, electrical code, installation, troubleshooting, sustainable energy, and project management. *Dual enrollment at Kalamazoo Valley Community College - 6 College Credits *2nd World Language Credit *3rd Science Credit *4th Related Math Credit

Heating, Ventilation Air Conditioning & Refrigeration	Engage in hands-on layout design, installation, and service of residential and commercial HVAC- R systems. Learn blueprint design and reading, tools and equipment, residential installation, troubleshooting, and project management. This course prepares students for continued learning in related apprenticeships, and careers in residential and commercial sales, service, and maintenance careers. *Dual Enrollment at Kalamazoo Valley Community College - 12 College Credits *2nd World Language Credit *3rd Science Credit *4th Related Math Credit
Plumbing	Gain skills in the design, installation, and maintenance of both residential and commercial plumbing systems. Learn blueprint design and interpretation, foundational tools and equipment, plumbing code, project management, and work with fittings, valves, and fixtures. This course prepares students for plumbing apprenticeships, residential and commercial sales, service, and maintenance careers.

CULINARY ARTS PATHWAY

COURSE TITLE	DESCRIPTION
Culinary Arts	Step into a commercial kitchen setting with hands-on instruction and practical learning. Learn cooking principles, sanitation, food safety, management, and culinary skills. This program prepares students for occupations within the restaurant, baking, and catering industries.

DESIGN CAREER PATHWAY

COURSE TITLE	DESCRIPTION
Design	Explore various careers in design, develop creative thinking skills, and understand the design process used by professionals. Create projects across multiple design fields, including graphic design, fashion accessory design, interior and landscape design, product design, and more. Collaborate in design teams, present and discuss work, and build a professional portfolio to prepare for success in a variety of design careers.

BUSINESS, MANAGEMENT, MARKETING AND TECHNOLOGY PATHWAY

COURSE TITLE	DESCRIPTION
Accounting I	See GLHS course description
AP Computer Science Principles	See GLVP course description
BMA: Business Administration Management and Operations I	See GLHS course description
Computer Science Software Engineering	See GLHS course description
Marketing and Entrepreneurship	See GLHS course description

HEALTH SCIENCES PATHWAY

Dental Assisting	Learn the fundamental knowledge and skills of dental anatomy, physiology, terminology, dental materials, chairside assisting, sterilization, radiology, laboratory, and clinical procedures. This course prepares students to work in a dental office as dental assistants. *Dual enrollment at Kalamazoo Valley Community College - 7 college credits *2nd World Language Credit *3rd Science Credit *4th Related Math Credit Credential options: American Heart Association Safety, First Aid and Basic Life Support (BLS), radiography certification
Emergency Medical Technician	Get prepared to work in an out-of-hospital setting as an entry level Emergency Medical Technician. Emphasis is placed on mastery of CPR, simple pharmacology for common medical emergencies, patient assessment, bandaging and splinting, and vehicle extrication. The course introduces the clinical component of EMT education which is the minimum level of training required for work on a transporting ambulance. *Dual enrollment at Kalamazoo Valley Community College - 10 college credits *2nd World Language Credit *4th Related Math Credit *3rd Science Credit This is an Early/Middle College eligible program.

Medical Laboratory Sciences	Engage in comprehensive training in essential laboratory skills and ethical practices. Understand and implement safety protocols, master the art of drawing blood, gain skills in handling and preparing specimens for analysis, and perform diagnostic tests in a simulated clinical setting. Prepare for successful careers in both medical laboratory settings and phlebotomy.
Patient Care Technician	Explore healthcare communication and terminology, anatomy/physiology, clinical skills, and ethics/confidentiality in a simulated clinical setting. Learn skills ranging from basic patient care to phlebotomy and EKG. Get prepared for patient care technician, nursing, and related healthcare careers.
Pharmacy Technician	Gain a comprehensive understanding of the roles and responsibilities of pharmacy technicians within the healthcare system. Dive into a range of topics, including pharmacology, medication management and regulations, anatomy/physiology, prescription processing, personal and workplace safety, healthcare communication and terminology, math skills and hands-on learning to be prepared to enter a pharmacy technician or related pharmaceutical research/development career.
Rehabilitation Therapy	Explore a range of therapy fields, from basic physical therapy to occupational therapy, injury prevention, and rehabilitation, in a hands-on environment mimicking a functioning therapy clinic. To prepare for physical therapy assistant, occupational therapy assistant, athletic training, and related sports medicine careers, learn personal and workplace safety, healthcare communication and terminology, anatomy/physiology, injury care assessment/skills, and rehabilitation.

HUMAN SERVICES PATHWAY

COURSE TITLE	DESCRIPTION
Barbering	Step into a functioning barber shop and state-of-the-art training facility at Kalamazoo Valley Community College School of Cosmetology and Barbering. Gain skills in hair cutting and facial hair design techniques from master instructors. Prepare for the State of Michigan Barbering License.

Cosmetology	Learn in a functioning salon and state-of-the-art training facility at Kalamazoo Valley Community College School of Cosmetology and Barbering. Cultivate skills through direct instruction and practice of hair, skin, and nail services. Prepare for the State of Michigan Cosmetology License. Cosmetology/Barbering Licensure *Potential for articulated credits with Davenport University, Ferris State University *2nd World Language Credit *3rd Science Credit *Visual Performing & Applied Arts Credit *4th Related Math Credit Credential options: State of Michigan Cosmetology or Barbering Licensure
Criminal Justice & Public Safety	Through a close partnership with local law enforcement agencies and Kalamazoo Valley Community College (KVCC), gain the skills and ethical perspectives needed to become a successful police or fire academy recruit. Develop a foundation for additional careers in criminal justice. Explore topics such as criminal law, patrol procedures, fire ground operations, safety and first aid, ethics, defensive tactics, crime scene investigation, and communication skills. *Potential for articulated credits with Baker College, Davenport University, Kalamazoo Valley Community College *2nd World Language Credit *3rd Science Credit *4th Related Math Credit
Educator Academy	Cultivate foundational skills for a successful career in the field of education. Learn the fundamentals of child development, from early childhood through adolescence, and principles of effective teaching through classroom instruction and internships. Work directly with young learners in an educational setting, while preparing for work as a paraprofessional, childcare professionals, or continued education as a teacher. *Potential for articulated credits with Baker College, Central Michigan University, Ferris State University, Saginaw Valley State University, Western Michigan University *2nd World Language Credit *3rd Science Credit *Visual Performing & Applied Arts Credit *4th Related Math Credit Credential option: Child Development Associate (CDA)

INFORMATION TECHNOLOGY PATHWAY

Computer Programming	Explore real-world scenarios to gain knowledge of hardware components and software applications, perform installation, identify new IT trends and technologies, and understand device cross-platform development. Learn User Experience (UX), User Interface (UI), and responsive design while preparing for careers in the computer programming field.
Computer Systems-Networking and Telecomm.	Learn to implement and manage high-performance, reliable, and scalable computer networks that connect devices, systems, and users across organizations or even globally. Gain insight into concepts such as performance and reliability, scalability, security, network architecture, network management, collaboration and convergence, standards, and troubleshooting, while preparing for careers in the computer networking field.
Cybersecurity	Engage in real-world scenarios to learn topics and skills related to protecting computer operating systems (Windows, Linux, and macOS), networks, IP addresses, and data from threats. Explore new IT trends and technologies, and demonstrate knowledge of network integrity protection, quality assurance, interpreting documentation, coding, cryptographic protocols, and security to prepare for careers in the cybersecurity field.

MANUFACTURING PATHWAY

Machine Tool	Get immersed in machine tool technologies, from basic to advanced. Learn the stages of manufacturing from idea to fabrication, including the use of CAD/CAM software, mills, lathes, and other industry related equipment. Build a solid foundation of manufacturing skills, including metalworking theory, problem solving, design, measurement, and quality inspection, to prepare for machining and engineering careers.
Mechatronics: Robotics and Automation	Dive deep into the use of robotics for processes that combine mechanical, electrical, computer, and automation technologies. Build a solid foundation of skills including electrical theory, robotics, CAD/CAM, hydraulics/pneumatics, and project management to prepare for machining and engineering careers.
Supply Chain	Explore the flow of materials from raw material to finished product and delivery to customers. This foundational course introduces key concepts such as global supply chains, warehouse location, contingency planning, and in-sourcing and out-sourcing decisions. Learn how professionals optimize resources and establish physical networks, while gaining real-world experience by operating the Career Connect Campus warehouse.

Welding	Get immersed in hands-on welding processes using professional equipment, applying various techniques to design and fabricate professional-grade metalwork. Gain expertise in safety, metalworking theory, welding techniques/tools, cutting/torches, automation, and quality inspection.

TRANSPORTATION, DISTRIBUTION, AND LOGISTICS PATHWAY

Automotive Technology	Engage in hands-on learning in a simulated model of a fully functioning auto service center. To prepare for occupations within the rapidly evolving auto service industry, learn safety, engine repair, automatic transmission and transaxle, manual drive train and axles, suspension and steering, brakes, electrical/electronic systems, heating, ventilation and air conditioning, engine performance, and foundational tasks of auto maintenance and repair.
Aviation Technology	Develop an understanding of the aviation industry, including airplane evolution, commercial aviation, flight operations and regulations, weather, airspace, navigation, and more. Interact with industry experts and visit leaders in the field of aviation while cultivating skills with drone technologies.
Heavy Equipment Maintenance	Engage in hands-on training in the maintenance, repair, and operation of off-road diesel equipment, in partnership with AIS Construction Equipment. Explore heavy machinery used in construction, trucking, agriculture, and material handling industries. Learn engine systems, hydraulic systems, powertrain systems, electrical systems, and maintenance fundamentals. Work with industry-standard equipment and tools, and gain valuable practical experience and prepare for careers as heavy equipment technicians, diesel mechanics, construction equipment operators, and agricultural equipment mechanics.

Summary of Course Offerings

(Number of Credits Per Class in Parentheses)

Specialized Courses
#0009 Freshmen Seminar (.25)
#0010 Sophomore Seminar (.25)
#0011 Junior Seminar (.25)
#0012 Senior Seminar (.25)
#1001 Test Prep (.5)

Applied Technology
#5010 Woodworking Technology I (.5)
#5030 Advanced Woodworking Technology (.5)
#5040 Technical Drawing I (.5)
#505A/B Technical Drawing II (1)

Business and Technology
#103A/B Digital Media, Art & Web Design I (1)
#105A/B Accounting I (1)
#1070 Introduction to Business (.5)
#109A/B Entrepreneurs and Business Leaders (1)
#111A/B Marketing (1)
#1120 Marketing 2 : Sports & Social Media Marketing (1.5)
#7110 Personal Finance for Everyday (.5)
#7120 Personal Finance Long Term Planning (.5)
#114A/B/C CTE Work Based Learning (.5)
#1101 Introduction to Computer Science (.5)
#1102A/B Computer Science Software Engineering (1)
#1103 Career and College Readiness (.5)
#1106 Computer Science Research & Development (.5)
#1108A/B Cybersecurity (1)
#1160A/B/C Computer Science Independent Cert (1.5)
#1161A/B Video Game Development (1.0)

English Language Arts
#201A/B English 9 (1)
#202A/B English 10 (1)
#203A/B English 11 (1)
#204A/B English 12 (1)
#205A/B/C AP Language and Composition (1.5)
#206A/B/C AP English Literature and Composition (1.5)
#2070 Debate (.5)
#2080 Speech (.5)
#214A/B/C Yearbook/Publications (1.5)
#215A/B/C Yearbook Editor (1.5)
#2140 Creative Writing (.5)

Family and Consumer Sciences
#5200 Parenting and Child Development (.5)
#5210 Interpersonal Relationships (.5)
#5230 Foods and Nutrition (.5)
#5240 Independent Living (.5)

Link for Yearbook application

https://docs.google.com/forms/d/1GpNYuN2Dkh8bqKdg3uvhBSem6iKFGENjQs8ZXzsf-SM/edit

Fine and Performing Arts
#301A/B/C Choir (1.5)
#3020 Marching Band (.5)
#303A/B Concert Band (1)
#304A/B Symphonic Band (1)
#305A Jazz Band (.5)
#3060 Beginning Guitar (.5)
#3130 Stagecraft and Theatre Design (.5)
#3110 Introduction to Acting (.5)
#3140 Oral Traditions (Storytelling) (.5)
#3190 Improvisation and Sketch Comedy (.5)
#3193 Creative Development (.5)
#3195 Theatrics (.5)
#3196 Plays You Should Know (.5)
#3160 Advanced Acting (Formerly Adv Theatre Studio) (.5)
#3161 Theater Experience as Therapy: Peer to Peer (.5)
#3200 Art 1 (.5)
#3210 Art 2(Formerly Draw/Painting 2D) (.5)
#3230 Art 3 (Formerly Sculpt/Ceram 3D) (.5)
#3250 Studio Art (.5)
#3270 Art Experience as Therapy: Peer to Peer Exp (.5)

Mathematics
#701A/B /C Algebra (3-Tri) (1.5)
#702A/B Algebra (1)
#703A/B Plane Geometry (1)
#705A/B Concepts of Geometry (1)
#704A/B Data Analysis and Algebra 2(1)
#713A/B Concepts of Data Analysis and Algebra 2 (1)
#707A/B/C AP Calculus (1.5)
#709A/B/C AP Statistics (1.5)
#710A/B/C AP PreCalculus (1.5)
#7180 Math for Success (.5)

Physical Education / Health
#8010 Health (.5)
#8020 Introduction to Fitness (.5)
#8040 Lifetime Sports (.5)
#8050 Strength and Conditioning (.5)
#8060 Advanced Physical Education (.5)
#8090 Introduction to Fencing (.5)

Science
#902A/B Concepts of Biology (1)
#903A/B Biology (1)
#904A/B Concepts of Physics (1)
#905A/B Physics (1)
#906A/B Concepts of Chemistry (1)
#907A/B Chemistry (1)
#919A/B Earth and Space Science (1)
#913 A/ B/ C AP Physics 1 (1.5)
#914 A/B/C AP Biology (1.5)
#915 A/B/C AP Chemistry (1.5)
#9120 Environmental Issues (.5)
#9170 Anatomy and Physiology (.5)
#9180 Forensic Science (.5)

Summary of Course Offerings

(Number of Credits Per Class in Parentheses)

Social Studies
#601A/B Civics (1)
#602A/B US History and Geography (1)
#603A/B World History and Geography (1)
#6070 Economics (.5)
#605A/B/C AP U.S. History (1.5)
#606A/B/C AP World History (1.5)
#615A/B/C AP Economics (1.5)
#616A/B/C AP Psychology (1.5)
#6091 History of Religions and Cultures (.5)
#6092 Global Diplomacy & Intl.Relation (.5)
#6100 Sociology (.5)
#6110 US History Through Film (.5)
#6130 Introduction to Psychology (.5)
#DE-HIST202 KCC Global History 1500 (1.0)

World Languages
#404A/B Spanish 1(1)
#405A/B Spanish 2 (1)
#406A/B Spanish 3 (1)
#407A/B Spanish 4 (1)

Support Services
#003A/B/C Learning Strategies 9-10 (.5)
#005A/B/C Learning Strategies 11-12 (.5)
#007A/B/C Alternative Learning Curriculum (.5)
#008A/B/C Guided Study (.5)
#5840 Peer to Peer/LINKS (.5)

EFA and CTE PROGRAMS

Arts & Communication Pathway (EFA)
#3561 Creative Writing Online (.5)
#3684 Comics, Manga, Novel Online (.5)
#3565 Digital StudioArt (.5)
#3566 Digital PhotoArt (.5)
#3610 Advanced Musical Theatre (3)
#3691 Beginning Dance Studio (3)
#3630 Intermediate Dance (3)
#3593 World Dance (3)
#3569 Multi Media Storytelling (3)
#3642 KVCC Media Arts (3)
#3643 Creative Game Design (3)
#3650 Film and Video Arts (3)
#3651 Advanced Video Arts (3)
#3660 Theatre Improv & Scriptwriting (3)
#3688 Hip Hop 180 (3)
#3687 3D Computer Animation (3)
#3689 Advanced Visual Art Studio (3)
#3572 Visual Art Exploration (3)

Link for CTE and EFA application:

https://studentapplication.swmitech.org/

Agriculture, Food, and Natural Resources (CTE)
#5880 Conservation Biology (3)
#5885 Horticulture
#5810 Veterinary Science

Architecture and Construction Trades (CTE)
#5610 Construction Trades (3)
#5630 Electrical Technology (3)
#5660 HVAC & Refrigeration (3)
#5873 Plumbing (3)

Culinary Arts (CTE)
#5570 Culinary Arts (3)

Design (CTE)
#5512 Design

Engineering/Manufacturing & Industrial Tech (CTE)
#5670 Machine Tool (3)
#5641 Mechatronics Robotics and Automation (3)
#5871 Supply Chain (3)
#5680 Welding (3)

Health Sciences (CTE)
#5700 Dental Assisting (3)
#5710 Emergency Medical Technician (3)
#5741 Medical Laboratory Sciences (3)
#5742 Patient Care Technician (3)
#5743 Pharmacy Technician (3)
#5744 Rehabilitation Therapy (3)

Human Services (CTE)
#5751 Barbering (3)
#5750 Cosmetology (3)
#5770 Criminal Justice & Public Safety (3)
#5792 Educator Academy (1.5)

Information Technology (CTE)
#5562 Computer Programming (3)
#5563 Computer Systems Networking and Telecom (3)
#5564 Cybersecurity (3)
#5889 AP Computer Science Principles

Transportation, Distribution, and Logistics (CTE)
#5590 Automotive Technology I (3)
#5600 Aviation Technology I (3)
#5872 Heavy Equipment Maintenance (3)

ADDITIONAL PROGRAMS

Kalamazoo Area Mathematics and Science Center
#5900 KAMSC AM (4.5)
#5901 KAMSC PM (4.5)
Academically Talented Youth Program
#5999 ATYP (1.5)
Dual Enrollment/Early College
#600A/B/C Dual Enroll (1.5)
Virtual Learning
#690A/B/C Virtual (.5)

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