GULL LAKE HIGH SCHOOL

COURSE CURRICULUM GUIDE

2026-2027

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Gull Lake High School

Dear Students and Families,

Each year, the Gull Lake High School Course Curriculum Guide represents a fresh set of opportunities for our Blue Devils, and the 2026–2027 school year is no exception. Our staff has worked hard to create a wide range of offerings designed to challenge, support, and inspire every learner, and to help prepare students for life after high school—whether that path leads directly to the workforce, an apprenticeship, the military, trade school, or college. This breadth of opportunity is possible because of the dedication, creativity, and expertise of our teaching staff, the strong support of our community, and our district's commitment to quality and innovation in education.

As you review this guide, please take time to look closely at each course description and make thoughtful selections based on graduation requirements, student interests, abilities, and future aspirations. Students are encouraged to think big: try something new, explore an emerging interest, or choose a course that stretches skills and pushes them slightly outside their comfort zone. Careful planning now helps ensure that each student's schedule not only meets requirements, but also reflects who they are and who they hope to become, while building confidence, resilience, and a versatile skill set for the future.

All students will develop an Educational Development Plan (EDP), reviewed and updated each year in collaboration with counselors, teachers, and families. The EDP goes far beyond a simple piece of paper; when approached with meaning and intentionality, it becomes a living document that adapts as students gain new experiences, clarify their interests, and refine their postsecondary and career plans. Our goal is for every student to leave Gull Lake High School with a clear, personalized plan that positions them to support themselves, find purpose and meaning in their work, and pursue whatever they dream to do, with parents and guardians actively partnering in this process through ongoing review, conversation, and connection with our school counselors and teachers.

GLHS Administrators, Counselors, and Teachers

Mrs. Bobbi Jo Stoner, Principal
Ms. Kristie Poulson, Assistant Principal
Mr. Matt Streitel, Dean of Students
Ms. Karyn Furlong, Director of Athletics

Mr. Daniel Tennant, 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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Academic & Career Planning

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 (Free Application for Federal Student Aid) is open for students and parents to fill out between October and January. 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.

The future belongs to those who believe in the beauty of their dreams.- Eleanor Roosevelt

Academic & Career Planning

Junior Checklist:

- ❑ Continue to discuss and explore 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.
- ❑ 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 may be required by 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 Work-based Learning options.
- ❑ Register for AP Exams.
- ❑ Utilize Xello to document academic achievements, volunteerism, extra-curricular and work experiences.
- ❑ Take the ASVAB assessment, if interested in military options.

Sophomore Checklist:

- ❑ Continue to tend 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 Early College, dual enrollment or Work Based Learning during 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 to determine career pathways in and out of the military .

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. Access your Xello account.
- ❒ 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 your online portal. Seek additional help with staff and after-school support, if needed.

GLHS Graduation Requirements

28 total credits required for graduation

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 EDL
Physical Education	.5 credit	Strength and Fitness or Strength and Fitness 2
Health	.5 credit	
Visual, Performing, & Applied Arts	1 credit	(See course listing on p.12)
Science	3 credits	Biology Chemistry A, Physics A Earth and Space Science A & Chemistry B or Physics B
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

Excellence is not a destination; it is a continuous journey that never ends. – Brian Tracy

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. In the event of a Gull Lake Schools cancellation or break, it is the expectation of CTE, EFA, KAMSC, Dual Enroll/Early College students that you attend that program if they are in session.

3. 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.

4. 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.

5. 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.

6. 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.

7. 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.

8. 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 and credit (CR) will be granted for testing out.
They 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.

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
- WIN® (Workforce Innovation and Opportunity) job skills assessments in reading, mathematics, & locating information.
- Michigan developed Science and Social Studies MSTEP. 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 13.

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

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.

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 possibly the 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. Colleges 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

Gull Lake Virtual Partnership

Gull Lake Virtual Partnership (GLVP) is a K-12 online program open to all Gull Lake Community Schools students and is designed to provide innovative, meaningful, and personalized learning opportunities. GLHS students may choose to take online virtual courses as part of their high school curriculum. These courses may be selected from the local Gull Lake Virtual Partnership course catalog or from options available in the statewide online course catalog.

To participate in GLVP, students must follow these guidelines:

1. Receive counselor approval no later than one trimester before the desired enrollment period and continue to meet program expectations.
2. Traditional students seeking a Gull Lake High School diploma may take up to two online courses per trimester.
3. Virtual courses appear on the student's transcript with credit and grade earned and are included in GPA calculations. Some courses are Credit/No Credit (CR/NC).
4. Students are assigned to a GLHS classroom with a mentor teacher, who provides daily support and ongoing feedback on course progress.
5. Students must meet program expectations for weekly check-ins and count day requirements.
6. Students are expected to work at Gull Lake High School during the scheduled class period; off-campus work privileges may be requested and will be considered based on satisfactory progress and may be revoked if the student is not passing the course.IN PERSON attendance is expected on the first day of class.
7. Each virtual course includes a highly qualified GLVP teacher or content-appropriate teacher who provides instruction, academic support, feedback, and grades.
8. For information about approved NCAA online courses, families should visit the NCAA Eligibility Center and enter the school's virtual code; GLVP courses that are NCAA approved are identified in the course catalog, and questions can be directed to the athletic director or school counselor.

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

Gull Lake Early College (GLEC) Program Highlights

Gull Lake Community Schools Early College (GLEC) is a fifth-year high school program that combines and extends high school with an early college experience. The goal is to provide students with a high school diploma and college credits, up to an Associate's Degree.

Key Benefits & Goals

- **Cost Savings:** Gull Lake Community Schools pays for the cost of tuition, course materials, and fees (up to an allocated amount).
- **Time Savings:** Students have the opportunity to earn college credits for up to three years, with the final year taking place after their original high school graduation.
- **Post-Graduation Success:** Increases the number of GLCS students enrolling in and completing college.
- **Supportive Environment:** Students receive support services to assist in the transition from high school to college.

Program Design: The 3-Year Transition

Students gradually transition from traditional high school to full-time college over three years (grades 11, 12, and 13).

Example 5-Year Plan at GLHS

Early College	Grades 9 and 10	Grade 11	Grade 12	Grade 13
High School	Full Time to work toward diploma requirements Develop Educational Development Plan (EDP) to reflect your career path Strengthen your college readiness benchmarks on standardized test Take *College & Career Readiness* (CCR) course	3-4 blocks at High School	1-4 blocks at High School	NO High School classes Virtual *EARLY COLLEGE CAPSTONE* Course Math or Math-Related course at college
College	None	1-2 blocks of college classes (6-12 credits in two semesters)	1-4 blocks of college classes (6-24 credits in two semesters)	Full Time (20-30 credits in two semesters)
Early College Supports	High School Counselor	Dean of Early College Early College Seminar Early College Teachers College Advisor		EC Capstone

Partners & Instruction

- **College Partners:** Kalamazoo Valley Community College, Kellogg Community College, and Western Michigan University.
- **Instruction:** Offered through both online and face-to-face educational instruction at the college and GLHS.

Enrollment Process

- **Eligibility:** Students should be motivated and willing to perform successfully at both the high school and college levels.
- **Application Window:** Applications are accepted during the **10th grade year** from **January** to **August 1st**.
- **Requirement:** Students MUST be accepted into the program before beginning their junior year.

QUESTIONS? Contact your high school counselor or the Dean of Early College 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
Advanced Engineering Design
Advanced Woodworking Technology
Art 1
Art 2
Beginning Guitar
Broadway!
Choir
Computer Science/Software Engineering
Computer Science Innovation Lab
Concert Band
Creative Writing
Creative Development
Digital Media, Art & Web Design
Engineering Design
Intro to Acting
Jazz Band
Marching Band
Marketing
Stagecraft & Theatre Design
Studio Art
Studio Theatre
Symphonic Band
Unscripted: Theatre for Everyone
Woodworking Technology 1
Video Game Development

CTE

Computer Programming
Computer Networking
Culinary Arts
Cyber Security
Design
Educator Academy
Machine Tool
Marketing
Mechatronics Robotics/Ind.Tech
Web Design/Graphics
Welding

KAMSC

Information Technology
Computer Studies

EFA

3D Computer Animation
Advanced Video Arts Studio
Advanced Music Theatre
Comics, Manga, and Novels Online
Creative Writing Online
Creative Game Design
Dance Studio
Digital Illustration
Digital Photography
Digital Studio Art
Film and Video Production
Improv and Scriptwriting
Storytelling the Creators Newsroom
Visual Art Exploration
World Dance

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.

Engineering Design (Formerly Technical Drawing I)

Course Number: 5041 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.

Advanced Engineering Design (Formerly Technical Drawing II CAD)

Course Number: 507A & 507B Credit: 1
Grades: 10-12 Homework Rating: Medium
Prerequisite: Engineering Design 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, MARKETING AND WEB DESIGN WITH A “B” OR BETTER MAY BE ELIGIBLE FOR ARTICULATED (COLLEGE) CREDIT AT SELECT POST SECONDARY INSTITUTIONS. CHECK WITH YOUR BUSINESS TEACHER FOR MORE INFORMATION.

GLHS Business & Technology			
Class	CTE	GL Graduation Credit	College Articulated Credit
AP Business with Personal Finance		BUS, MATH	
Introduction to Business		BUS	
Introduction to Computer Science		BUS	
Career and College Readiness		BUS	
Computer Science Independent Cert.		BUS, VPAA	
Comp[uter Science Innovation Lab		BUS, VPAA	
Computer Science Software Engineering		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
Personal Finance Long Term Planning (LTP)		MATH, BUS	
Personal Finance Every Day Living (EDL)		MATH, BUS	
****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. Students will have the opportunity to become Information Technology Specialist - HTML and CSS certified.

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.

Marketing (CTE)

Course Number: 111A & 111B
Credit: 1
Grades: 10-12
Homework Rating: Low
Prerequisite: Introduction to Business recommended

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 development, 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.

Beyond the Game: Sports and Social Media Marketing

Course Number: 1120 Credit: 1.5 (all year virtual course)
Grades: 10-12 Homework Rating: Low
Prerequisite: teacher/counselor recommendation

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

Everyday Living is a one-trimester course that fulfills the ½-credit Personal Finance graduation requirement under the Michigan Merit Curriculum for the Class of 2028 and beyond. Students learn how to plan and manage their money through real-world situations, including earning income, buying goods and services, budgeting and saving, using credit, investing, protecting and insuring, and paying taxes. The course blends topics such as behavioral economics, banking, paying for college, consumer skills, and taxes to help students build confidence and healthy financial habits for life after high school.

Personal Finance Long Term Planning

Course Number: 7120 Credit: .5
Grades: 11-12 Homework Rating: Low
Prerequisite: AP Business Personal Finance OR Personal Finance Everyday Living.

Long-Term Planning is an elective course that extends and deepens the skills learned in Personal Finance Everyday Living while counting toward additional math credit. Students take a closer look at managing different types of credit, long-term investing, insurance, mortgages, and other major financial decisions they will face as adults. The course focuses on practical, student-friendly problem-solving rather than advanced math, helping students apply numbers and tools they already know to make thoughtful, informed choices about their long-term financial future.

AP Business with Personal Finance ***Pending Board Approval**

Course Number:112A, 112B, & 112C Credit: 1.5
Grades: 11-12 Homework Rating: High
Prerequisite: None

AP Business with Personal Finance introduces students to the knowledge and skills they will need to grow their careers, manage money, and get a head start toward the most popular college major in the U.S. Students explore the business disciplines of entrepreneurship, marketing, finance, accounting, and management through real-world business applications, case studies, and project based learning.

DECA Success Strategies ***Pending Board Approval**

Course Number:117A, 117B Credit: 1.0
Grades: 10-12 Homework Rating: Medium
Prerequisite: Intro to Business

DECA Success Strategies prepares students to excel in DECA competitions and real-world business challenges. Through role-plays, case studies, and other competitive events, students apply the Business Administration Core while building skills in critical thinking, professional communication, ethical decision-making, and teamwork. Designed for students with prior DECA experience, the course also welcomes new members eager to join the chapter and develop as emerging leaders in marketing, finance, hospitality, and management.

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

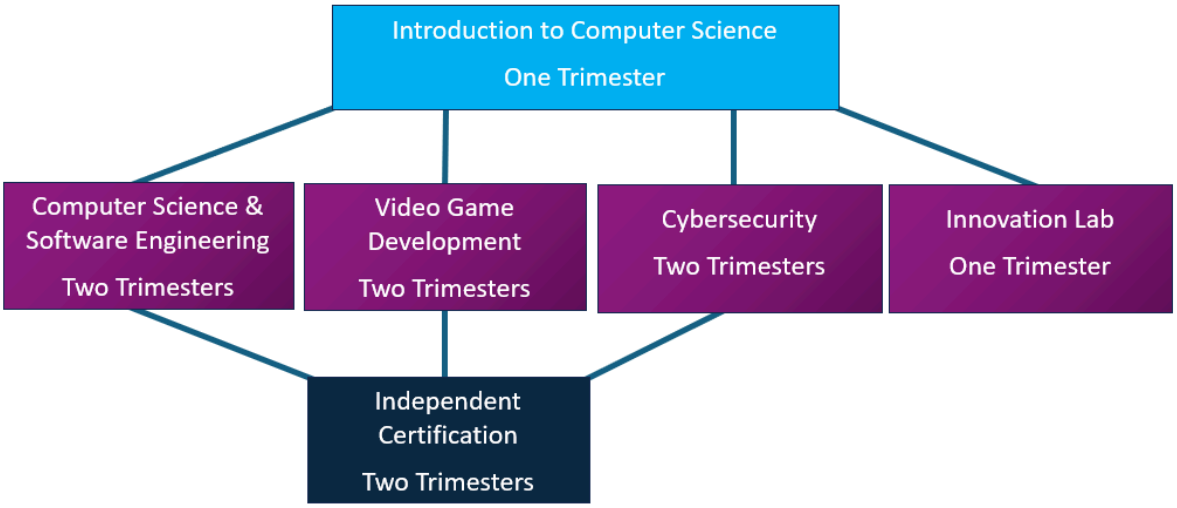
CourseNumber:114A,114B,114C Credit: .5
Grades: 11-12
Prerequisite: CTE-related class. Successful completion of one trimester or semester of a CTE course and continued concurrent enrollment in CTE.
NOTE: Students are not to be officially enrolled in CTE Work-Based Learning until the Work-Based Learning 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.

Computer Science

Welcome to Computer Science at Gull Lake High School. Below is a hierarchy of the courses we currently offer with Introduction to Computer Science being your gateway into a world of incredible tech opportunities. Once you take that first class, you unlock all the CS courses shown in pink, each one packed with new skills, new tools, and new challenges. The best part? You can take these classes as many times as you want. Technology is always changing, so every time you return, you get to explore brand new projects, emerging tech, and fresh experiences that keep the learning exciting and cutting edge. Find your passion…



Introduction to Computer Science

Course Number: 1101
Grades: 9-12
Prerequisite: None

Credit: .5
Homework Rating: Low

Introduction to Computer Science is a high energy, hands-on course where you get to create, build, design, and level up your tech skills. You will build a professional ePortfolio that shows off your talents, projects, and personal brand, giving you a head start on future jobs, colleges, and internships. Using a realistic PC builder simulation, you will learn how computers work by assembling your own computer piece by piece, virtually of course! You and your friends will also plan, film, and edit your own short movie using professional video editing software, giving you real experience with digital storytelling and media production. After that, you will step into the world of game design by creating your own video game while learning how real teams manage products from idea to launch. If you want a course that is creative, fun, and packed with real skills you can use right away, this is the class for you.

Computer Science Software Engineering

Course Number: 1102A & 1102B
Grades: 9-12
Prerequisite: Introduction to Computer Science

Credit: 1.0
Homework Rating: Low

Computer Science and Software Engineering is the class for students who want to build, code, and innovate. You will learn to program drones that fly with precision, guide robots through mazes, and use Arduino microprocessors to prototype real devices. You will also design custom parts with 3D printing and use artificial intelligence as a powerful assistant for writing and improving code. Students work both independently and in teams to create and test their own tech projects while building real engineering and software development skills. If you want a class where you get to invent things, control robots, and bring ideas to life, this is the place to be. This course will make your ePortfolio stand out from your peers and set you up for success.

Computer Science: Innovation Lab (Formerly Computer Science: Research and Development)

Course Number: 1162 Credit: .5
Grades: 9-12 Homework Rating: Medium
Prerequisite: Introduction to Computer Science

Innovation Lab is a hands-on STEM course where students' ideas drive the learning. Students explore, design, and build projects of their choice, applying science, technology, engineering, and math to solve real-world problems and create meaningful solutions. From brainstorming to prototyping, students use modern tools and creative thinking to bring their ideas to life. If you can imagine it, you can make it in the Innovation Lab. This course may be repeated with teacher approval, allowing students to take on new challenges and develop increasingly advanced projects.

Cyber Security

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

Do you want to be a Cyber Warrior? Are you curious about how computer systems work and excited to learn how to hack and defend against cyber-attacks? Then this is the class for you! In Cyber Security, you'll get a hands-on foundation in protecting networks, systems, and data. You'll dive into real-world skills like hardening operating systems, securing networking switches and routers, and exploring cloud computing. Along the way, you'll put your knowledge to the test by competing in the National CyberPatriot competitions, tackling challenges that simulate real-life cyber threats. This course isn't just a one-time experience, students with a strong work ethic can retake it to level up their skills and expand their cyber credentials, gaining even more expertise in this fast-growing field. If you're ready to think like a hacker, defend like a pro, and take your cyber skills to the next level, this is the class for you!

Computer Science Independent Certification (CSIC)

Course Number:1160A & 1160B Credit: 1
Grades: 10-12 Homework Rating: Medium
Prerequisite: Introduction to Computer Science

Independent Certification is the ultimate capstone for students who have completed the computer science curriculum at GLCS. This course gives you the freedom to choose a computer science topic that excites you and focus on studying, training, and preparing for industry-standard certification exams. You'll work independently using a variety of resources designed to help you master the skills needed to pass your certification, opening doors to entry-level jobs, internships, or post-secondary opportunities. While the course is structured as a two-trimester program, some certifications may take longer to prepare for. To maximize your success, you can combine this course with Innovation Lab and stay engaged for a full year to meet all testing requirements. This is your chance to take control of your learning, earn valuable credentials, and graduate with skills that set you apart in the tech world.

Video Game Development

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

Ready to create your own video games? This course gives students the opportunity to design and develop original games while exploring coding, storytelling, art, and design. Working in collaborative development teams, students use industry-standard tools such as Unity or Unreal Engine to build playable games, while artists gain hands-on experience with Blender to model characters, build environments, and create professional-quality 3D art. Students also participate in game jams—high-energy, timed challenges that push teams to brainstorm, design, and launch a game in just a few days. By the end of the course, students will have a fully playable game and portfolio-ready projects to showcase their skills. The course may be repeated with teacher permission.

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
Credit: 1
Grades: 9
Homework Rating: Medium
Standard: Common Core, NCAA

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

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

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

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

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 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.

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: Written application, good school attendance, current year's teacher recommendation, special talents, and an interview with the advisor.

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.

Parenting and Child Development

Course Number: 5200
Grades: 10-12
Prerequisite: Health

Credit: .5
Homework Rating: Low

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
Grades: 10-12
Prerequisite: None

Credit: .5
Homework Rating: Low

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
Grades: 9-12
Prerequisite: None

Credit: .5
Homework Rating: Low

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
Grades: 9-12
Prerequisite: None

Credit: .5
Homework Rating: Low

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
Grades: 9-12
Prerequisite: None

Credit: 1.5
Homework Rating: Low

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 Tri) Credit: 0.5
303A/303B/303C - Concert Band 1st-2nd-3rd Tri Credit:1.5
304A & 304B - Symphonic Band 2nd-3rd Tri 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. Students 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
Grades: 9-12
Prerequisite: Successful completion of Middle band and/or performance audition; teacher recommendation required.

Credit: .5
Homework Rating: Low

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 per- forming 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
Grades: 11-12
Prerequisites: None

Credit: .5
Homework Rating: Low

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 does just what the name implies – it introduces the students to the skills and attributes necessary to perform for an audience. This class focuses on vocal and physical preparation, character development, and dramatic literature while engaging in monologue work and scene study. Students may retake this course with instructor permission. **Performance heavy.**

Stagecraft and Theatre Design

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

Stagecraft is a project-based course that introduces students to the technical and production elements of a theatre: lighting, sound, props, set, costumes, media and publicity, and hair/makeup. Students learn to analyze and design for the theatre world and learn some skills and techniques useful in creating items for the stage. Students may retake this course with instructor permission. **Students are NOT REQUIRED to perform in this course.**

Studio Theatre ***(Pending Board Approval)***

Course Number: 3131 Credit: .5
Grades: 9-12 Homework Rating: Low
Prerequisites: Introduction to Acting or Stagecraft.

Studio Theatre is a project-based course designed for students who have successfully completed foundational theatre studies (e.g., Introduction to Acting and/or Stagecraft). This course moves beyond prescribed assignments, offering a collaborative workshop environment where you will refine your craft through hands-on practical application either independently or in small groups. Students have the opportunity to choose their area(s) of focus and interest, whether in performance or technical theatre. Students may retake this course with instructor permission. **Students are NOT required to perform in this class (depending on chosen area of study).**

Unscripted: Theatre for Everyone And Everyday Life ***(Pending Board Approval)***

Course Number: 3132 Credit: .5
Grades: 9-12 Homework Rating: Low
Prerequisites: none

In a way that often feels more like play and less like work, theatre activities build a powerful mix of skills that are transferable to our many life experiences: communication, creativity, adaptability, active listening, teamwork/collaboration, discipline, confidence, critical thinking, and more! In this class, you will be introduced to a number of theatre activities (all requiring no or minimal memorization) in a non-threatening environment to enhance your interpersonal communication skills and get a taste of different types of performance. You don't have to be any good at acting to do well in this class! Students may retake this class with instructor permission. **Performance is required, but you are eased into it!**

*Broadway! (****Pending Board Approval)***

Course Number: 3133 Credit: .5
Grades: 9-12 Homework Rating: Low
Prerequisites: none

This course is a survey of the history, literature, and cultural contribution of American theatre's gem: Broadway. Students will study the evolution of Broadway from its 19th Century roots through the present day, looking at the different genres and key works of plays and musicals that have been performed on Broadway stages. Students will also examine the cultural influence of Broadway and, conversely, its impact on American theatre and culture. In addition, students will have performance OR design opportunities throughout the course. **Students are NOT REQUIRED to perform in this class (optional for assignments).**

Advanced Acting

Course Number: 3160
Grades: 9-12
Prerequisite: None

Credit: .5
Homework Rating: Low

Advanced Acting is an opportunity for students interested in further study and practice in performance. Students will engage in a variety of experiences, including an introduction to different styles of acting and more advanced techniques commonly found in the professional theatre world. Students may retake this course with instructor permission. **Performance heavy.**

Creative Development

Course Number: 3193
Grades: 9-12
Prerequisite: None

Credit: .5
Homework Rating: Low

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. Students are NOT REQUIRED to perform in this course.

Theatre Experience as Therapy: A Peer to Peer Exploration

Course Number: 3161
Grades: 9-12
Prerequisite: None

Credit: .5
Homework Rating: Low

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. The course may be repeated with teacher recommendation.

Art 1

Course Number: 3200
Grades: 9-12
Prerequisite: None

Credit: .5
Homework Rating: Low

In this art course, you will learn how to apply visual arts aesthetics (i.e., *Elements and Principles, etc.*) through the use of a variety of art media (i.e. India Ink, graphite pencils, watercolors, etc.), art tools (calligraphy nibs, etc), and techniques (cursive writing, blending, shading, etc). Art history, vocabulary, and critical thinking will also be applied within the art making experience.

Art 2 (Formerly Art 2D & 3D)

Course Number: 3211
Grades: 9-12
Prerequisite: Art 1

Credit: .5
Homework Rating: Low

This class is a continuation of the skills acquired in Art I. Further exploration of art media (i.e. acrylic paint, clay, papier mache, etc.), art tools (canvas, potters wheel, etc), and techniques (slab building, carving, perspective drawing, etc) will be applied to projects that will also have a strong emphasis on art history, world landmarks, and cultural awareness. Self-directed learning, time management, and critical thinking skills will be nurtured throughout the course.
This course may be repeated.

Studio Art

Course Number: 3250
Grades: 10-12
Prerequisite: Art 1 and Art 2

Credit: .5
Homework Rating: Low

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 visual arts, both 2D and 3D. The development of a website art portfolio will be created for further use in college applications, employment, and/or scholarships.

Art Experience as Therapy: A Peer to Peer Exploration

Course number: 3270
Grades: 9-12

Credit: .5
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. This 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.

Math 9 Essentials ***Pending Board Approval***

Course Number: 7190
Credit: .5
Grades: 9
Homework Rating: Low
Standard: MMC,
Prerequisite: MUST BE TEACHER RECOMMENDED to qualify for this class.
NOTE: This course is a one trimester course.

Math 9 Essentials provides targeted math support for students who need additional reinforcement to be successful in high school Algebra. This course focuses on strengthening foundational skills aligned to Algebra standards and is designed to support students in successful mastery of their core math coursework. Math 9 Essentials helps ensure students remain on track to successfully complete their core math sequence of high school graduation requirements.

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.

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, sampling, simulation, statistical inference, probability distributions, binomial distribution, sample means and estimating with confidence.

Math for Success

Course Number: 7180 Credit: .5
Grades: 9-12 Homework Rating: Low
Prerequisite: Teacher/Counselor Recommendation

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
Advanced Engineering Design
AP Business with Personal Finance
Engineering Design
Marketing
Personal Finance Every Day Living
Personal Finance Long Term Planning

**ALL CTE Classes count as a 4th related math course

Physical & Health Education

Health

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

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.

Strength and Fitness (Formerly Intro to Fitness)

Course Number: 8021
Grades: 9
Prerequisite: None
Credit: .5
Homework Rating: Low
NOTE: THIS COURSE OR STRENGTH AND FITNESS 2 ARE REQUIRED FOR GRADUATION

This course is designed to give students a basic understanding of exercise and weight training terms and techniques. It includes fitness activities that help the body stay healthy, strong, and active. Students will learn and apply key terminology and fitness fundamentals throughout the course, preparing for Strength & Fitness 2.

Lifetime Sports

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

The Lifetime Sports class will provide students with instruction and interaction in some of the sports that people play through- out 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 Fitness 2 (Formerly Strength and Conditioning)

Course Number: 8051
Grades: 10-12
Prerequisite: Strength and Fitness or Instructor permission
Credit: .5
Homework Rating: Low

This course is designed for students with prior strength training experience, either from a middle school strength class or Strength & Fitness 1. Students will follow predesigned Strength and Athlete weight programs to build muscle and improve overall strength. The course focuses on different muscle groups and provides a structured plan while allowing flexibility and choice within the program guidelines.

Advanced Sports Training (Formerly Advanced PE)

Course Number: 8061
Grades: 9-12
Prerequisite: Strength and Fitness or Instructor Permission
Note: Seniors are not eligible to enroll in Trimester 3
Credit: .5
Homework Rating: Low

This course is designed for student-athletes serious about improving their sport-specific skills, fitness, and overall performance. Students engage in strength training, speed and agility development, film study, leadership training, and sport-specific skill work. Athletes are grouped by sport each trimester: Tri 1 – Winter sports (Boys & Girls Basketball, Wrestling), Tri 2 – Spring sports (Baseball, Softball, Soccer), Tri 3 – Fall sports (Football, Soccer, Volleyball). The course aims to enhance physical efficiency and athletic performance to meet the demands of varsity-level competition and everyday life.

Strength and Fitness Female Focus

Course Number: 8031
Grades: 9-12
Prerequisite: None

Credit: .5
Homework Rating: Low

This course provides instruction in exercise fundamentals, strength training, and overall fitness with a focus on engaging female students. Compared to the co-ed Strength & Fitness course, this version offers a learning environment and class structure designed to increase participation, comfort, and outcomes for students who may be less engaged in traditional physical education settings. All students are welcome to enroll.

Introduction to Fencing

Course Number: 8090
Grades: 10-12
Prerequisite: Introduction to Fitness

Credit: .5
Homework Rating: Low

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		
	Many electives, AP, EFE, CTE, dual enrollment, and virtual options can count for additional science credits.		* completion of full Chemistry or Physics is required

Concepts of Biology

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

This course is designed to meet the state Biology requirements for graduation at an introductory level. Over the course of two trimesters, Concepts of Biology will emphasize microscopic areas of life science including: chemistry of life, cell structure and function, cell division, protein synthesis, and energy. It will also address macroscopic areas of life science such as: classification of organisms, genetics, evolution, and ecology. These topics are covered in an integrated manner that allows for a more holistic understanding of biological sciences.

Biology

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

This course is designed to meet the state Biology requirements for graduation at a more rigorous level. Over the course of two trimesters, Biology will emphasize microscopic areas of life science including: chemistry of life, cell structure and function, cell division, protein synthesis, and energy. It will also address macroscopic areas of life science such as: classification of organisms, genetics, evolution, and ecology. These topics are covered in an integrated manner that allows for a more holistic understanding of biological sciences. Formal lab reports may 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 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 in content, technique, and safety. Students will be expected to work as cooperative members of a team and work independently in problem solving situations. Topics presented in Concepts of Chemistry A include the particle nature of matter, gas laws and pressure, density, particle energy and temperature. Topics presented in Concepts of Chemistry B include the mole and molar mass, internal structure of atoms, periodicity, chemical reactions and equations, and energy of chemical reactions.

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 for 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 of 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.

Earth and Space Science

Course Number: 919A & 919B Credit: 1
Grades: 10-12 Homework Rating: Medium
Standard: MMC, NCAA
Prerequisite: Physics A, Concepts of Physics A or Teacher Recommendation

Earth and Space A is a half credit course required for graduation. Earth and Space B is an optional half credit elective.
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.

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 harmonic 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.

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 events 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 the 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: 11-12
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 a 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 the 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 writ- ing 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
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. This course may be repeated with teacher approval.

Sociology

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

Credit: .5
Homework Rating: Low

Sociology is the study of society and social interaction. This course is designed to acquaint the student to the factors that led to the development of sociology as a discipline and the contributions made by early social scientists to the study of human society. Also, it examines the dynamics of social stratification—the hierarchical arrangement of individuals and groups in societies. The curriculum will delve into pressing sociological issues in social stratification and cultural diversity.

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 accuracies 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.

Spanish 1

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

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 predictable settings. Students will be able to create language by combining and recombining elements of learned materials.

Spanish 2

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

In Level 2 Spanish, the emphasis on oral communicative skills is continued. However, emphasis is now placed on more cor- rect 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
Credit: 1
Grades: 10-12
Homework Rating: High
Standard: NCAA
Prerequisite: A "C" average in level Spanish 2 and Teacher Signature

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

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

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 integrates 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 support, 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 students to have initial enrollment in the course. The course may be repeated with teacher recommendation.**

Education for the Arts 2026-2027	Class Location	Michigan Merit Credit
DANCE		
Trimester Offerings		
Dance Studio	Parchment High School	VPAA and PE (per school district)
Full Year Offerings		
Intermediate Dance Studio (prerequisites)	Kalamazoo Central High School or Loy Norrix High School	VPAA and PE (per school district)
World Dance	Loy Norrix High School	VPAA
MEDIA ARTS		
Full Year Offerings		
Intro to 3D Computer Animation	Epic Center PMN	VPAA
Creative Game Design	Epic Center	VPAA
Film and Video Production	Kalamazoo Central High School or Vicksburg High School	VPAA
StoryLab: The Creator's Newsroom	Epic Center	VPAA
Semester Offerings		
Digital Photography	Online and Epic Center PMN	VPAA and online requirement
Digital Illustration	Online and Epic Center PMN	VPAA and online requirement
THEATRE AND MUSIC		
Full Year and Trimester Offerings		
Advanced Musical Theatre	Loy Norrix High School	VPAA
Improv and Scriptwriting	Crawlspace Theater	VPAA
VISUAL ARTS		
Full Year Offering		
Advanced Video Arts Studio	Vicksburg or Kalamazoo Central	VPAA
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		
Digital Design & Media Production (KVCC) 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
Animation Design (KVCC) 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
Discuss with counselor for Dual Enrollment Options		

Kalamazoo Countywide Career and Technical Education Courses (CTE) 2026-2027
for Merit Academic Credit

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 complete list 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	
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 and Engineering	Career Connect Campus	Yes
Mechatronics Robotics & Automation	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 Science	Career Connect Campus	
Patient Care Technician	Career Connect Campus	
Pharmacy Technician	Career Connect Campus	
Exercise Science & Rehabilitation	Career Connect Campus	
Human Services Pathway	**Site**	**Visual, Performing & Applied Arts**
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 Networking	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	

KALAMAZOO RESA
Career Connect
Explore | Engage | Experience

Kalamazoo RESA's Career Connect team is leading a new, innovative approach to career development in Kalamazoo County, providing K-12+ learners with a robust continuum of world- class programs and services. From career exploration, to work-based learning, to hands-on training and specialized high school classes, Career Connect helps learners cultivate in-demand skills while gaining a competitive advantage. Read on to explore all the offerings and learn about the new Career Connect Campus, opening to students in fall of 2025. Make this the year you get career connected!

CAREER AND TECHNICAL EDUCATION (CTE) COURSE DESCRIPTIONS

All classes are yearlong, Monday-Friday

All classes are located at the Career Connect Campus (CCC), unless otherwise noted www.kresa.org/careerconnect

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

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

All CTE courses are located at the Career Connect Campus (CCC), unless otherwise noted for satellite programs.
Morning Session Time: 8:00 a.m. - 10:00 a.m. Afternoon Session Time: 11:45 a.m. -
1:45 p.m.
*Satellite programs may have an adjusted session time.

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

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

Contact your high school counseling staff with questions related to graduation requirements.

CTE Career Connect Campus + Satellite Programs

Class Locations: Students at the CCC will learn from industry experts in a new, state-of-the-art facility at 3500 Vanrick Drive in Kalamazoo.

Students additionally have opportunities to participate in classes at satellite locations, including the Kalamazoo Nature Center, Air Zoo, and Kalamazoo Valley Community College.

All satellite locations are noted by the course title.

- **Who can participate?** Classes taught at the CCC and satellite locations are open to students from across the county.
- **What kinds of classes are offered?** A wide range of courses are available across a variety of career pathways. All CCC and satellite programs are aligned to in-demand, well-paying fields in Kalamazoo County.
- **What about transportation?** Transportation will be provided to the CCC and satellite locations.

Skills for Success: All students enrolled in CTE classes at the CCC and satellite locations will also participate in an online course, Skills for Success, as a requirement for CTE enrollment. Skills for Success is an online course that helps students develop critical skills required for success in work and life. By cultivating mastery in the areas of collaboration, communication, critical thinking, personal management, and problem-solving, students will grow their skills and gain a competitive advantage as learners, in the job market, and beyond.

AGRICULTURE, FOOD AND NATURAL RESOURCES CAREER PATHWAY

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

Horticulture
Engage in every aspect of plant production, from crop selection to final sale. Learn plant biology, taxonomy, soil science, and modern production techniques while building a professional portfolio of work. This program prepares students for continued education or employment in the horticulture industry.

Veterinary Science
Strengthen an understanding of animal anatomy, medical terminology, and healthcare. To prepare for veterinary assistant and veterinary technician careers, learn animal care and handling, anatomy/physiology, surgical preparation, pharmacology, and client relations.

ARCHITECTURE AND CONSTRUCTION TRADES CAREER PATHWAY

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.

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.

Heating, Ventilation, Air Conditioning and 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.

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 CAREER PATHWAY

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

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.

HEALTH SCIENCE CAREER PATHWAY

Dental Assisting (Dual Enroll course held at Kalamazoo Valley Community College)

Learn the fundamental knowledge and skills of dental anatomy, physiology, terminology, dental materials, chairside assisting, sterilization, radiology, laboratory, and clinical procedures. This course prepares students to work in a dental office as dental assistants.

Emergency Medical Technician (Dual Enroll course held at Kalamazoo Valley Community College)

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.

Medical Laboratory Science

Step into a simulated functioning medical laboratory providing services ranging from basic specimen collection to handling and analysis. To prepare for laboratory assistant roles across various clinical and medical settings, learn healthcare communication and terminology, anatomy/physiology, phlebotomy, infectious disease identification/protocols, and medical records documentation.

Patient Care Technician

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 handson learning to be prepared to enter a pharmacy technician or related pharmaceutical research/development career.

Exercise Science & Rehabilitation

Explore a range of therapy fields, from basic physical therapy to occupational therapy, injury prevention, and rehabilitation, in a hands-on environment mimicking a functioning therapy clinic. To prepare for physical therapy, occupational therapy, athletic training, and related sports medicine careers, learn personal and workplace safety, healthcare communication and terminology, anatomy/physiology, injury care assessment/skills, and rehabilitation.

HUMAN SERVICES CAREER PATHWAY

Criminal Justice & Public Safety (held at Kalamazoo Valley Community College)

Through a close partnership with local law enforcement agencies and Kalamazoo Valley Community College (KVCC), gain the skills and ethical perspectives needed to become a successful police or fire academy recruit. Develop a foundation for additional careers in criminal justice. Explore topics such as criminal law, patrol procedures, fire ground operations, safety and first aid, ethics, defensive tactics, crime scene investigation, and communication skills.

Educator Academy

Cultivate foundational skills for a successful career in the field of education. Learn the fundamentals of child development, from early childhood through adolescence, and principles of effective teaching through classroom instruction and internships. Work directly with young learners in an educational setting, while preparing for work as a paraprofessional, childcare professionals, or continued education as a teacher.

INFORMATION TECHNOLOGY CAREER PATHWAY

Computer Programming

Explore real-world scenarios to gain knowledge of professional software creation, design, and deployment. Understand device cross-platform development. Learn User Experience (UX), User Interface (UI), and responsive design while preparing for careers in the computer programming field.

Computer Networking

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

Prepare for a future in cybersecurity through hands-on, real-world scenarios. Students will learn to protect operating systems (Windows, Linux, macOS), networks, and data from cyber threats. The course covers essential topics including cryptography, coding, documentation analysis, network integrity and both hardware and software for strengthening cybersecurity. Students will explore cybersecurity careers, examine today's top cyber threats, and work toward industry-recognized certifications such as Tech+ and Security+. This course builds a strong foundation for further study and careers in the cybersecurity field.

MANUFACTURING CAREER PATHWAY

Machine Tool and Engineering

Get immersed in machine tool technologies, from basic to advanced. Learn the stages of manufacturing from idea to creation, including: the use of CAD/CAM software, CNC, mills, lathes, and other industry related equipment. Build a solid foundation of skills, including precision machining, problem solving, design, and quality inspection, to prepare for engineering and machining careers.

Mechatronics: Robotics and Automation

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 CAREER 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 (held at the Air Zoo Flight Discovery Center)

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.

EDUCATION FOR THE ARTS (EFA) 2026-2027
COURSE DESCRIPTIONS

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

MEDIA ARTS DUAL-ENROLLED PROGRAM

Digital Design & Media Production (KVCC Dual Enrolled, 1st Year) Formerly KVCC Media Arts
Step into the world of professional design and media with this yearlong digital design course that bridges high school creativity with college-level skill development. This dual-enrolled course introduces students to the principles of graphic design, branding, and digital communication using industry-standard tools. Students will learn how to create compelling visual content across various formats, including logos, posters, digital ads, social media graphics, product packaging, and web-ready designs. Emphasis is placed on the design process—from research and concept development to execution and presentation—preparing students for both college level coursework and real-world creative careers.

Animation Design (KVCC Dual Enrolled, 2nd Year) Students must have successfully completed AAMT120
After students take Digital Design & Media Production, unlock creativity and bring ideas to life in this dynamic, year-long animation course designed for high school students ready to take their skills to the next level. This dual-enrolled course will have students explore the fundamentals of 2D animation, character design, storyboarding, motion graphics, and visual effects using industry-standard software. Emphasis will be placed on both the technical and artistic aspects of animation, with projects that mirror real-world studio workflows. Throughout the year, students will learn the history of animation, collaborate on team-based productions, and learn about career pathways in animation, film, and game design.

DANCE

Dance Studio
Semester Based
Learn the basic elements and discipline of formal dance techniques, exploring classical modern dance, ballet, jazz, hip-hop, and cultural dance styles. Exploration of dance- related genres and subjects will include movement improvisation, movement composition, dance history, and strategies for developing stronger spatial awareness. Students gain performance skills, learn how to choreograph their own dances, and are required to participate in an EFA dance concert at the end of each term. They will have the opportunity to take field trips to see live dance concerts and attend master classes. Students will work with professional dance educators and guest artists, helping expand their knowledge of careers in the dance world.

Intermediate Dance Studio (Prerequisites)
Intermediate Dance is for students who have completed a semester-long EFA Dance Studio class, have previous dance/movement experience, and are committed to a full year of dance instruction. Students will further their training through in-depth instruction and structured small -group student exploration in formal dance techniques, classical modern dance, ballet, jazz, hip hop, and additional forms from around the world. Exploration of dancerelated genres and subjects will include movement improvisation, movement composition, dance history, and strategies for developing stronger spatial awareness.

World Dance Origins and Movement
Semester Based
Dance is considered a universal language as it is used around the world as a way to express emotions, share stories, and connect people. World Dance provides students with an opportunity to view popularized dance forms from around the globe beyond the movement. Students will experience a wide variety of dance forms and their influences on contemporary dances of today. This course combines elements of a traditional dance class with a deep analysis of the cultural and historical contests of dance through videos, readings, and lectures.

LITERARY ARTS

Creative Writing Online: Web-Based

Semester Based

Gain mastery as a creative writer while cultivating valuable time management skills and learning how to provide and respond to critique. Through literary analysis and weekly writing assignments, students will learn the craft of problem-solving as a writer, considering options and perspectives before putting pen to paper. Students will gain experience with a wide range of genres, including written and spoken-word poetry, personal narrative, creative nonfiction, short stories, and flash fiction. In addition to creative forms, students will develop professional writing skills, and create a resume as part of an online portfolio

Comics, Manga, and Graphic Novel Arts: Hybrid Semester Based

Learn to write and produce compelling, artistic, inventive comics or manga, and Graphic Novels. Research the history of comics, study the elements of story, plot, and character development, and the productive use of imagery, layout, and composition. Work individually and collaboratively on projects and develop projects by manipulating and editing found media and open-source graphics.

MEDIA ARTS

Film and Video Production

Semester Based

Want to learn how to make amazing videos? From short films to viral content, this class teaches students how to plan, film, and edit like a creative pro. Using HD cameras and Adobe Premiere Pro, students will explore storytelling, action, editing, and much more through fun, hands-on projects. Whether students are new to filmmaking or just love creating, this class helps learners build creativity, confidence, and real-world skills that translate to a variety of media and communications roles.

Advanced Visual Arts Studio

Take advantage of the professional facilities, equipment, and experience of master guest artists at the Kalamazoo Institute of Arts. This studio class offers advanced study in a variety of disciplines, including sculpture, oil painting, jewelry, photography, welding, printmaking, ceramics, and other related arts. Develop a Visual Arts Portfolio and learn presentation skills to apply for college scholarships, student art shows, and public art opportunities. This advanced class is designed for juniors and seniors who possess strong artistic skills and wish to explore their style in greater depth, while considering how creativity will be applied in their future endeavors.

Intro to 3D Computer Animation

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

Creative Game Design

This project-focused course will teach students the fundamentals of game design. Through practice and study students learn to craft powerful stories 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 the nature of play.

StoryLab: The Creator's Newsroom

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

Digital Photography (Hybrid: Web-based and In-Person)

Semester Based

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

Digital Illustration (Hybrid: Web-based and In-Person)

Semester Based

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

VISUAL ARTS

Visual Arts Exploration

Further develop art-making skills by creating sculpture, photography, jewelry, painting, and more at the Kalamazoo Institute of Arts. Students will work alongside practicing professional artists as they share their art mastery and expertise. This class is ideal for juniors and seniors who have taken drawing and some foundational high school art classes and are interested in expanding their art comprehension and artistic skills.

Advanced Visual Arts Studio

Take advantage of the professional facilities, equipment, and experience of master guest artists at the Kalamazoo Institute of Arts. This studio class offers advanced study in a variety of disciplines, including sculpture, oil painting, jewelry, photography, welding, printmaking, ceramics, and other related arts. Develop a Visual Arts Portfolio and learn presentation skills to apply for college scholarships, student art shows, and public art opportunities. This advanced class is designed for juniors and seniors who possess strong artistic skills and wish to explore their style in greater depth, while considering how creativity will be applied in their future endeavors.

THEATRE AND PERFORMING ARTS

Advanced Musical Theatre

For students interested in a career in the performing arts, this course provides an in-depth look at musical theatre through acting techniques, private voice lessons, and weekly dance classes. Students will experience the study of musical theatre history and enhance their appreciation of the genre while improving their practical performance skills in acting, voice, and dance. This course includes mentoring by professional theatre, vocal, and dance educators and guest artists. Students will also learn audition techniques, build a resume and portfolio, and have opportunities to create and perform in two end-of-the-semester showcases.

Improv and Scriptwriting

More than just theatre without a script, improvisational theater equips learners of all stripes with tools and skills to become better communicators and develop a positive mindset. Interested students be warned: while learning this valuable skillset and art form, expect to laugh. A lot. Alongside the study of improv and its underlying principles and techniques, students will strengthen their voices and perspectives by learning how to create stories for the stage and craft their own scripts. Students will be challenged to grow in their practice as improvisers, performers, and collaborators during this engaging, hands-on class. No previous performance or theatre experience is expected.

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)
#5041 Engineering Design (.5)
#507A/B Advanced Engineering Design (1)

Business and Technology
#103A/B Digital Media, Art & Web Design I (1)
#105A/B Accounting I (1)
#1070 Introduction to Business (.5)
#111A/B Marketing (1)
#1120 Sports & Social Media Marketing (1.5)
#7110 Personal Finance for Everyday Living (.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)
#1108A/B Cybersecurity (1)
#1160A/B/C Computer Science Independent Cert (1.5)
#1161A/B Video Game Development (1.0)
#1162 Computer Science: Innovation Lab (.5)
#112A/B/C AP Business with Personal Finance (1.5)
#117A/B DECA Success Strategies (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)
#214A/B/C Yearbook/Publications (1.5)
#215A/B/C Yearbook Editor (1.5)
#2140 Creative Writing (.5)

Link for Yearbook application
https://forms.gle/yEuKWyCQkf4W83Tt9

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

Fine and Performing Arts
#301A/B/C Choir (1.5)
#3020 Marching Band (.5)
#303A/B/C Concert Band (1.5)
#304A/B Symphonic Band (1)
#305A Jazz Band (.5)
#3060 Beginning Guitar (.5)
#3110 Introduction to Acting (.5)
#3130 Stagecraft and Theatre Design (.5)
#3131 Studio Theatre (.5)
#3132 Unscripted: Theatre for Everyone & Everyday Life (.5)
#3133 Broadway! (.5)
#3160 Advanced Acting (.5)
#3193 Creative Development (.5)
#3161 Theater Experience as Therapy: Peer to Peer (.5)
#3200 Art 1 (.5)
#3211 Art 2 (Formerly Draw/Painting 2D & 3D) (.5)
#3250 Studio Art (.5)
#3270 Art Experience as Therapy: Peer to Peer (.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)
#7190 Math 9 Essentials (.5)

Physical Education / Health
#8010 Health (.5)
#8021 Strength and Fitness 1 (Formerly Intro to Fitness) (.5)
#8040 Lifetime Sports (.5)
#8051 Strength and Fitness 2 (Formerly Strength and Cond) (.5)
#8061 Advanced Sports Training (Formerly Adv PE) (.5)
#8031 Strength and Fitness Female Focus (.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)

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

Link for CTE and EFA application:
https://www.kresa.org/career-connect/apply

Arts & Communication Pathway (EFA)
#3561 Creative Writing Online (.5)
#3684 Comics, Manga, Novel Online (.5)
#3566 Digital Photography (.5)
#3610 Advanced Musical Theatre (3)
#3691 Beginning Dance Studio (3)
#3630 Intermediate Dance Studio (3)
#3593 World Dance (3)
#3642 KVCC Media Arts (3)
#3643 Creative Game Design (3)
#3650 Film and Video Production (3)
#3651 Advanced Visual Arts Studio (3)
#3660 Improv & Scriptwriting (3)
#3687 Intro to 3D Computer Animation (3)
#3689 Advanced Visual Art Studio (3)
#3572 Visual Art Exploration (3)
#3693 Digital Illustration (3)
#3695 StoryLab: Creators Newsroom (3)

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 & Engineering (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 Exercise Science and Rehab (3)

Human Services (CTE)
#5770 Criminal Justice & Public Safety (3)
#5792 Educator Academy (3)

Information Technology (CTE)
#5562 Computer Programming (3)
#5563 Computer Networking (3)
#5564 Cybersecurity (3)

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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