



GENESTEO HIGH SCHOOL COURSE PLANNING GUIDE 2023-2024

Geneseo Senior High School Mission Statement

Geneseo High School is committed to helping all students develop their full potential and to prepare them to be independent, productive, and responsible citizens by offering an academic and extra-curricular program that meets the needs of all students and by providing an environment conducive to learning.

GRADUATION REQUIREMENTS FOR GENESEO SENIOR HIGH SCHOOL

42 credits are required for graduation.

Each semester every student must enroll in a minimum of 6 credits, including physical education. Exception: Students who are enrolled in Work Place Experience or STEP must enroll in a minimum of 5 credits, including physical education.

Marching Band participants, grades 10 through 12, are eligible for a first semester waiver from physical education. The sports P.E. waiver is an option for Sophomore, Junior and Senior students. Students with a semester P.E. waiver are required to enroll in a minimum of 6.0 credits during that semester. Seniors in STEP or Work Place Experience are required to enroll in a minimum of 5.0 credits. Freshmen and sports managers or trainers are NOT ELIGIBLE for the P.E. waiver.

DEFINITION OF TERMS

Academic Subjects: All courses are academic subjects, with the exception of study hall, freshman academy study hall, sophomore academy study hall and tutorial.

Credit: Credit is the numerical designation assigned for passing a course. The amount of credit is listed with each course in the course listing section of each department.

Elective: An elective is a subject not required for graduation. This may be advanced study in a required subject area or exploratory courses in a variety of departments.

Prerequisite: A prerequisite is a course taken, or grade level achieved, before a student is able to take a particular course. (i.e., Spanish I must be completed before Spanish II; a student must be a junior or senior before taking a certain course)

Required Course: A required course is any course necessary to meet specific requirements set for graduation by the State of Illinois and the Geneseo Board of Education.

REQUIRED COURSES FOR GRADUATION

Each pupil entering high school must, in addition to electives, successfully complete the following:

8 semesters	English
4 semesters	Science
6 semesters	Mathematics
4 semesters	Social Studies--U.S. History (<i>2 semesters</i>), U.S. Government (<i>1 semester</i>), Social Studies elective (<i>1 semester</i>). Both the U.S. and Illinois Constitution tests must be passed in U.S. Government.
2 semesters	Music, Art, Foreign Language, Vocational Education (one full year or any combination of two semesters will satisfy the requirement).
1 semester	Health
7 semesters	Physical Education
1 or 2 semesters	Consumer Education (see selections below):
	Business Management /Entrepreneurship
	Workplace
	AP Microeconomics
	Managing Lifestyles
	Economics
	Interior Design
	AP Macroeconomics
	Consumer Economics

Special Education (Consumer Education Electives)

STEP	Career Preparation
Employability Skills	Family Living

Students who fail a required course for graduation must retake the course. In certain cases, the student may be required to be in the same course during multiple periods. For example, Physical Education requires a student to pass 7 semesters. A student that fails Physical Education most likely would then need to take Physical Education multiple times during a school day.

COURSE OFFERING

ENGLISH

English 9
English 9 Honors
English 10
English 10 Honors
English 11
English 12
College Prep English 12
AP English Language and Composition
AP English Literature and Composition
*English 101 - Composition I
*English 102 - Composition II
Media Lit
Creative Writing

MATHEMATICS

Algebra I
Informal Algebra I
Geometry
Informal Geometry
College Prep Algebra
Algebra II
Informal Algebra II
Pre-Calculus
*Pre-Calculus Math 112
*Pre-Calculus Math 116
AP Calculus AB
AP Calculus BC
Probability and Statistics
AP Statistics

SCIENCE

Earth Science
Environmental Science
Biology
Biology Advanced Studies
PLTW Intro to Engineering Design
Forensic Science
Anatomy and Physiology
AP Biology
Chemistry
Chemistry Advanced Studies
AP Chemistry
Physics
AP Physics I

SOCIAL STUDIES

World History Honors
Ancient Civilizations (World History before 1350)
Western Civilization (World History from 1350)
Contemporary World Issues
U.S. History
AP U.S. History
U.S. Government
AP U.S. Government/Politics
Economics
Sociology
Humanities

FOREIGN LANGUAGE

Spanish I
Spanish II
Spanish III
Spanish IV

BUSINESS AND TECHNOLOGY

Computer Concepts & Software Applications
Consumer Economics
Accounting I
Web Page Design
Computer Science
Business Law
Business Management /Entrepreneurship
Work Place Experience
AP Microeconomics
AP Macroeconomics

FAMILY AND CONSUMER SCIENCES

Family & Consumer Science
Foods I
Foods II
Interior Design
Child Development
Parenting
Managing Lifestyles
Cooperative Education
*Certified Nursing Assistant Early Bird - NA 100 Extended Health Occupations

AGRICULTURE

Intro. to Agriculture Industry
Agribusiness Management
Agricultural Biotechnology
Biological Science App in Ag - Plant
Biological Science App in Ag - Animal
*Basic Horticulture Science
*Green Production & Floral/Landscape
Workplace Experience

TECHNOLOGY

Metals/Woods
Cabinetmaking and Millwork I
Cabinetmaking and Millwork II
Automotive Technology I
Automotive Technology II
*Welding Technology I
*Welding Technology II
Audio /Video Production I
CNC I
CNC II
Building Trades I
Building Trades II
Machine Tool Technology/Machine I
Machine Tool Technology/Machine II
Intro Tech & Engineering
Workplace Experience

VISUAL ARTS

Drawing I
Drawing II
Painting I
Sculpture I
Ceramics I
Graphic Design I
Graphic Design II
Painting II
Ceramics II
Sculpture II
Art Portfolio

PERFORMING ARTS

Choir
Marching Band/Concert Ensemble
Symphonic Band/ Concert Ensemble

PHYSICAL EDUCATION/HEALTH/ DRIVER EDUCATION

Physical Education
Fitness/Conditioning Activities and Weight Training
Health
Driver Education Classroom /Physical Education
Driver Education Laboratory (Behind the Wheel)

The Driver Education student must earn a minimum of 8 credits in the two semesters prior to taking driver education classroom. Students must have a Social Security card prior to taking classroom driver education.

GENERAL ELECTIVE

Independent Study/Internship
Yearbook Independent Study
Intro to Education and Teaching
Remote Educational

CONSUMER ED CURRICULUM

Business Management
Economics
Workplace Experience
Interior Design
AP Microeconomics
AP Macroeconomics
Managing Lifestyles
Consumer Economics

SPECIAL EDUCATION

English I, II, III, & IV
Informal Mathematics
Plane Geometry
General Math
Pre-Algebra
Personal Finance
Integrated Science
Unified Science
U.S. History
U.S. Government
Contemporary U.S. Issues
World Geography
Life Skills (English, Math, Science and Social Studies)
Adapted Physical Education
Health Education
Strategic Reading
Corrective Reading
Introduction to Computers
Industrial Arts
Family Living
Life Long Learning
Study Skills
Tutorial
Career Exploration
Employability Skills
STEP
Community Experience

*These courses are available for both high school credit and Black Hawk College credit.

Classes shown in bold are yearlon

**NATIONAL COLLEGIATE ATHLETIC ASSOCIATION (NCAA)
NATIONAL ASSOCIATION OF INTERCOLLEGIATE ATHLETICS (NAIA)**

Student athletes who are interested in qualifying for NCAA or NAIA eligibility are encouraged to log on to the respective web site to view the accepted Geneseo High School (code 142015) core courses. These requirements exceed Illinois graduation requirements. Student athletes must register at these websites to be eligible to participate at NCAA and NAIA schools.

POLICY FOR WITHDRAWAL FROM A CLASS

Students may withdraw from a class only in the event of a computer error, level error, or incorrect placement in a class.

Students must be enrolled in a minimum of six academic classes at all times. Exceptions to this include:

- A senior student enrolled in the Interrelated Work Place Experience or STEP program.
- IEP modification/504 modifications/RTI modifications

Schedules may be opened for a week in May and December for students to review their upcoming semester classes that were scheduled based on requests. If a change is requested, a GHS Course Change Form must be filled out and submitted with the following: course name, compelling educational reason to change course, and the replacement course. A parent and student signature will also be required. Administration will review the request, and if approved, the student schedule will be modified to reflect the change. Prior to the start of the following semester, and within the first five days of the semester, approved withdrawals can be made with no record of the drop on the student's transcript. After the fifth day and up to the end of the first nine weeks of the semester, a "Withdrawal" grade of "W" will be noted on the student's transcript. Thereafter, the withdrawal will result in an "F" on the final transcript.

WIN

What I Need Period is a scheduled period during the school day that is set up to provide academic remediation and enrichment for core class instruction. Some examples of learning programs that take place during WIN include, but are not limited to, Silent Sustained Reading, Learning Centers (Math, English, Science), SAT prep, Learning Resource Center, and enrichment for advanced or honors classes.

TEXTBOOK FEES

Students are assessed an annual registration fee which covers most course fees, workbooks, etc., with the exception of a \$150 Drivers' Education Behind the Wheel fee, Black Hawk College Dual Credit Course textbooks, tuition and fees, AP textbook, workbook and exam fees, etc. All fees are subject to change based upon Board of Education review.

INCOMPLETE GRADES

A grade of incomplete will be assigned when a student experiences an excused, extended absence at the end of the term or during final examinations. An incomplete grade, if not satisfied within 2 weeks, will be changed to an "F" grade.

HONORS

Honor courses offer students the opportunity to work in a more rigorous environment that includes reading, writing and research-based learning activities. Students are placed in honors courses based on standardized testing, previous academic record and teacher recommendation.

ADVANCED STUDIES

Advanced Studies is an instructional improvement program, designed to help ensure that the outcomes of college preparatory courses taken in high school are aligned with essential postsecondary skills. There will be a .5 weighted grade assigned to the GPA of these classes. If a student drops the class at any time during the year, the weighted grade will not be awarded.

ADVANCED PLACEMENT

Advanced Placement courses are college level courses that could qualify the student for college credit following completion of the College Board AP exams. Many colleges and universities grant college level credit based on the AP exam scores. All students enrolled in Advanced Placement courses are required to take the College Board Advanced Placement exams in May of the corresponding year. AP courses are calculated on a weighted grading scale. Students who drop an AP class at any time during the year, or who do not take the AP exam, will lose the weighted grade for both semesters.

COLLEGE ADMISSION REQUIREMENTS COMPARISON CHART

This chart illustrates the level of coursework recommended to be a competitive applicant at the sample schools. Colleges may consider several or all of the following factors in determining admission eligibility: pattern of high school coursework, grades in academic courses, grade point average, test scores, essay, college major, talents, leadership roles, community activities, evidence of exceptional motivation, letters of recommendation, and athletic ability. Exact admission requirements will vary by school and program.

Standardized Testing. More than 800 four-year colleges and universities across the U.S. admit a substantial number of academically strong students without regard to ACT or SAT test scores. These institutions range widely in size and mission. These schools can be found at www.fairtest.org

SAMPLE US COLLEGES AND UNIVERSITIES	CORE ACADEMIC RECOMMENDATIONS	GHS GRADUATION REQUIREMENTS
MAJOR PUBLIC UNIVERSITIES AND LIBERAL ARTS COLLEGES, including: Indiana University, DePaul University, Iowa State, Loyola, Marquette, Miami University, Northeastern University, St. Louis University, Syracuse, University of Illinois, University of Missouri, University of Illinois Springfield, University of Wisconsin	4 yrs. English 4 yrs. Advanced Math 3 yrs. Laboratory Science 2-4 yrs. Foreign Language 3-4 yrs. Social Science	4 yrs. English 3 yrs. Math 2 yrs. Science <i>Foreign Language Not Required</i> 2 yrs. Social Science 1.5 yrs. Fine Arts or CTE
MOST ILLINOIS PUBLIC UNIVERSITIES, MID-SIZE UNIVERSITIES, AND SMALL PRIVATE SCHOOLS, including: Augustana College, Bradley University, Columbia College, Drake University, Bradley University, Illinois State, Indiana State, Lewis University, Northeastern Illinois University, Southern Illinois University-Carbondale/ Edwardsville, University of Illinois-Chicago, Western Illinois University, Knox College, Central College, St Ambrose College	4 yrs. English 3-4 yrs. Advanced Math 3 yrs. Laboratory Science 2 yrs. Foreign Language 3 yrs. Social Science	4 yrs. English 3 yrs. Math 2 yrs. Science <i>Foreign Language Not Required</i> 2 yrs. Social Science 1.5 yrs. Fine Arts or CTE
COMMUNITY COLLEGES Black Hawk College, Parkland College, Triton College, Truman College, Kirkwood Community College, Heartland Community College, Lake Land College, Lincoln Land Community College, Spoon River College, Scott Community College	High school diploma or equivalent.	4 yrs. English 3 yrs. Math 2 yrs. Science <i>Foreign Language Not Required</i> 2 yrs. Social Science 1.5 yrs. Fine Arts or CTE
TRADE & TECHNICAL SCHOOLS Antonelli College, Coyne College, Midwest Technical College, Environmental Technical Institute, Pivot Point Academy, Trinity College of Nursing, Hamilton Technical College, Carl Sandburg College, Capri College	High school diploma or equivalent.	4 yrs. English 3 yrs. Math 2 yrs. Science <i>Foreign Language Not Required</i> 2 yrs. Social Science 1.5 yrs. Fine Arts or CTE

***All institutions recommend that students take the most challenging coursework available to them, particularly courses that relate to a student’s individual interests and passions. “Advanced Math” would include Algebra 1, Geometry, Algebra2 and any other higher math course at GHS.

NOTE: Meeting GHS graduation requirements and college entrance requirements does not equal NCAA Division I or Division II athletic eligibility.

STUDENT PROGRAM WORK SHEET

Please use this work sheet to indicate the courses you and your parents are interested in having you take for the next four years.

FRESHMAN YEAR

SOPHOMORE YEAR

1st Semester	2nd Semester	1st Semester	2nd Semester
English	English	English	English
Math	Math	Math	Math
Science	Science	Science	Science
P.E./Drivers Ed Classroom	Health	U.S. History	U.S. History
		P.E./Behind the Wheel	P.E./Behind the Wheel

JUNIOR YEAR

SENIOR YEAR

1st Semester	2nd Semester	1st Semester	2nd Semester
English	English	English	English
Government	Social Studies Elective	P.E.	P.E.
Math	Math		
P.E.	P.E.		

_____ **Consumer Education Course:** (see page 1)

_____ **Music, Art, Foreign Language, Vocational Education** (one full year or any combination of two semesters will satisfy the requirement.)

AGRICULTURE CURRICULUM

Course	Semester(s)	Credit(s)	Prerequisite(s)
Introduction to Agriculture Industry	2	2	None
Agriculture Business Management	2	2	Grades 11-12, Intro to Ag. recommended
Biological Science Applications in Ag - Plant	1	1	Grades 10-12
Biological Science Applications in Ag – Animal	1	1	Grades 10-12
Basic Horticulture Science (Fall)	1	1	Grades 10-12
Greenhouse Production & Floral Design/Landscape (Spring)	1	1	Grades 10-12

Introduction to Agriculture Industry

This course provides an opportunity for students to learn how the agricultural industry is organized; its major components; the economic influence of agriculture at state, national and international levels; and the scope and types of job opportunities in the agricultural field. Basic concepts in animal science, plant science, soil science, horticulture, natural resources, agribusiness management, and agricultural mechanics, will be presented. Improving computer and workplace skills will be a focus.

Agricultural Business Management (Odd years)

This course will provide students with the basic knowledge and skills necessary to manage personal finances and develop into a successful entrepreneur and/or businessperson. Instructional units include: business ownership types, starting an agribusiness, managing and operating an agribusiness, financing an agribusiness, managing personal finances, record keeping and financial management of an agribusiness, local, state, and federal taxes, agricultural law, and developing employability skills. Student skills will be enhanced in math, reading comprehension, and writing through agribusiness applications. Improving computer and workplace skills will be a focus. Field trips and guest speakers will be utilized.

Biological Science Applications in Agriculture – Plants (Fall)

This course is designed to reinforce and extend students understanding of science by associating basic scientific principles and concepts with relevant applications in agriculture. Students will examine major phases of plant growth and management in agriculture and the specific biological science concepts that govern management decisions. Topics of study are in the areas of initiating plant growth – germination, plant sensory mechanisms, enzyme action, absorption, and managing plant growth – photosynthesis, respiration, translocation, metabolism, and growth regulation. The course will be valuable preparation for further education and will increase the relevance of science through the applied setting of agriculture by enhancing literacy in science and the scientific process. Improving computer and workplace skills will be a focus.

Biological Science Applications in Agriculture – Animals (Spring)

This course is designed to reinforce and extend students understanding of science by associating scientific principles and concepts with relevant applications in agriculture. Students will examine major phases of animal agriculture and specific biological science concepts that govern management decisions in the animal industry. Topics of study are in the areas of growth and development of animals – embryology, ethology, nutrition, immunity systems, and processing animal products – preservation, fermentation, and pasteurization. The course will be valuable preparation for further education and will increase the relevance of science through the applied setting of agriculture by enhancing literacy in science and the scientific process. Improving computer and workplace skills will be a focus.

Basic Horticulture Science (Fall)

This course is designed to introduce students to the horticulture industry and provide them with basic plant science knowledge that can be further developed in advanced horticulture courses. Major units of instruction include horticulture research, horticultural careers, plant anatomy, seed germination, plant propagation, growing media, pest management, hydroponics, identifying horticultural plants, growing greenhouse crops, and floral design. Improving computer and workplace skills will be a focus. The greenhouse will be the lab for this class. Option to earn Black Hawk College credits towards certification. See your counselor for details.

Greenhouse Production & Floral/Landscape Design (Spring)

This course focuses on the Landscape industry. Major units of study include Landscape plant identification and greenhouse production as well as landscape design using Real Time Landscape Architect Software. Also includes: care and handling of cut flowers, principles of art applied to floral design, and the mechanics of floral design. Agribusiness units will be introduced in merchandising, advertising, sales, and operating a retail floral business. Improving computer and workplace skills will be a focus. The greenhouse will be in the lab for this class. Field trips will be included. There is an option to earn Black Hawk College credits towards certification. See your counselor for details.

BUSINESS AND TECHNOLOGY CURRICULUM

Course	Semester(s)	Credit(s)	Prerequisite(s)
Computer Concepts & Software Applications	1	1	Grade 9-12
Consumer Economics	1	1	Grade 9-10
Accounting I	1	1	Grade 10-12
Web Page Design	1	1	Grade 9-12
Computer Science	1	1	Grades 9-12
Business Law	1	1	Grade 11-12
Business Management/Entrepreneurship	1	1	Grade 11-12
#AP Microeconomics (Odd years)	1	1	Grade 11-12
#AP Macroeconomics (Even years)	1	1	Grade 11-12

Computer Concepts and Software Applications

Computer Concepts and Software Applications is an orientation-level course designed to develop awareness and understanding of application software and equipment used by employees to perform tasks in business, marketing and management. Students will apply problem-solving skills to hands-on, real-life situations using a variety of software applications, such as word processing, spreadsheets, database management, presentation software, and desktop publishing. Students will explore topics related to computer concepts, operating systems, telecommunications and emerging technologies. The development of employability skills, as well as transition skills, will be included in the course as well as an understanding of the ethical considerations that arise in using information processing equipment and gaining access to available databases.

Consumer Economics

This course focuses on the identification and management of personal and family resources to meet the needs, values, and wants of individuals and families throughout the life cycle. The course utilizes a variety of project -based experiences and service learning opportunities to gain knowledge and expertise in understanding and applying management skills, with consideration to diverse social, economic, technological, environmental, and cultural characteristics of individuals and families. Topics include: consumer rights and responsibilities in the marketplace; financial responsibility and decision making; planning and money management; credit and debt; risk management and insurance; saving and investment; homeownership; state and federal taxes; electronic banking; and current issues in the economy.

Accounting I

This will be an excellent beginning for anyone interested in moving on to study any form of business in college. Accounting I course assists students pursuing a career in business, marketing, and management. This course includes planned learning experiences that develop initial and basic skill used in systematically computing, classifying, recording, verifying and maintaining numerical data involved in financial and product control records including the paying and receiving of money. Instruction includes information on keeping financial records, summarizing them for convenient interpretation, and analyzing them to provide assistance to management for decision-making. Accounting computer applications should be integrated throughout the course where applicable. In addition to stressing basic fundamentals and terminology of accounting, instruction should provide initial understanding of the preparation of budgets and financial reports, operation of related business machines and equipment, and career opportunities in the accounting field. Processing employee benefits may also be included.

Web Page Design

Web Page and Interactive Media Development I is a skill-level course designed to prepare students to plan, design, create and maintain web pages and sites. Students will learn the fundamentals of web page design using HTML, HTML editors, and graphic editors as well as programming tools such as JavaScript. Students will work in a project -based environment to create a working website. Students will learn to create pages, add hyperlinks, make tables and frames, create forms, integrate images, and set styles. Students will use image-editing programs to manipulate scanned images, computer graphics, and original artwork. Instruction will include creating graphical headers, interactive menus and buttons, and visually appealing backgrounds. Students will use hardware and software to capture, edit, create, and compress audio and video clips.

Computer Science

Computer Science is a skill-level course focused on introduction and development of basic computer programming. Students will be introduced to modern programming language and major keywords and concepts for basic programming will be presented. The course objective will be to grow student skills of logic, problem analysis, and conversion of solutions to code language. By the end of the course, students will be able to solve rudimentary programming problems and strategize ways to generate computer programs to implement a fix.

Business Law

This is a one-semester course designed to teach students how business and personal law impacts not only business, but everyday living as well. Introduces law and the origins and necessity of the legal system; provides insight into the evolution and development of laws that govern business in our society; develops an understanding of how organization and operation of the legal system impact business; develops an understanding of rights and duties within the business environment; and includes contractual responsibility, protection of individual rights in legal relationships relative to warranties, product liability, secured and unsecured debts, negotiable instruments, agencies, employer -employee relations, property ownership and transfer, landlord and tenant, wills and estates, community property, social security, and taxation.

Business Management/Entrepreneurship

Business management courses acquaint students with management opportunities and effective human relations. The students will have the opportunity to participate in the JA Titan Business Simulation. Entrepreneurship courses acquaint students with the knowledge and skills necessary to own and operate their own businesses. Topics from several fields typically form the course content: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, and communication. Several topics surveyed in Business Management courses may also be included.

AP Microeconomics (Odd years)

Following the College Board's suggested curriculum designed to parallel college-level microeconomics, AP Microeconomics courses provide students with a thorough understanding of the principles of economics that apply to the functions of individual decision makers (both consumers and producers). They place primary emphasis on the nature and functions of product markets, while also including a study of factor markets and the role of government in the economy. AP courses are calculated on a weighted grading scale. Students who drop an AP class at any time during the year, or who do not take the AP exam, will lose the weighted grade.

AP Macroeconomics (Even years)

Following the College Board's suggested curriculum designed to parallel college-level macroeconomics, AP Macroeconomics courses provide students with a thorough understanding of the principles of economics that apply to an economic system as a whole. They place particular emphasis on the study of national income and price determination and developing students' familiarity with economic performance measures, economic growth, and international economics. AP courses are calculated on a weighted grading scale. Students who drop an AP class at any time during the year, or who do not take the AP exam, will lose the weighted grade.

CONSUMER ED CURRICULUM*

*These courses will meet the Consumer Ed requirement for Graduation

Course	Semester(s)	Credit	Prerequisite(s)
Business Management	1	1	Grades 11-12
Economics	1	1	Grades 11-12
Workplace Experience	2	4	Grade 12
Interior Design	1	1	Grades 11-12
AP Microeconomics (Odd years)	1	1	Grades 11-12
AP Macroeconomics (Even years)	1	1	Grades 11-12
Managing Lifestyles	1	1	Grade 12
Consumer Economics	1	1	Grades 9-10

Business Management/Entrepreneurship

Business management courses acquaint students with management opportunities and effective human relations. The students will have the opportunity to participate in the JA Titan Business Simulation. Entrepreneurship courses acquaint students with the knowledge and skills necessary to own and operate their own businesses. Topics from several fields typically form the course content: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, and communication. Several topics surveyed in Business Management courses may also be included.

Economics

Economics courses provide students with an overview of economics with primary emphasis on the principles of microeconomics and the U.S. economic system. These courses may also cover topics such as principles of macroeconomics, international economics, and comparative economics. Economic principles may be presented in formal theoretical contexts, applied contexts, or both.

Workplace Experience

Workplace Experience is a capstone course designed to assist students in the development of effective skills and attitudes through practical, advanced instruction in school and on the job through cooperative education. Students are released from school for their paid cooperative education work experience and participate in 200 minutes per week of related classroom instruction. Classroom instruction focuses on providing students with job survival skills and career exploration skills related to the job and improving students' abilities to interact positively with others. For skills related to the job, refer to the skill development course sequences, the task list or related occupational skill standards of the desired occupational program. The course content includes the following broad areas of emphasis: further career education opportunities, planning for the future, job-seeking skills, personal development, human relationships, legal protection and responsibilities, economics and the job, organizations, and job termination. A qualified career and technical education coordinator is responsible for supervision. Written training agreements and individual student training plans are developed and agreed upon by the employer, student and coordinator. The coordinator, student, and employer assume compliance with federal, state, and local laws and regulations.

Interior Design

This course provides basic knowledge and skills needed to select, acquire, furnish, maintain, and manage residential and commercial environments to meet the needs of the users/occupants. The course includes the application of the interior design elements and principles; selection and care of furnishings, equipment and accessories in relation to socio-economic factors, trends, personal tastes and characteristics, as well as physical and psychological needs; safety, sanitation, and efficiency factors in interior design; and evaluating use and care of textiles. This project-based course investigates a variety of related career opportunities, including entrepreneurship. Emphasis is placed on the application of project management skills. Field trips and guest speakers are incorporated throughout the course.

AP Microeconomics (Odd years)

Following the College Board's suggested curriculum designed to parallel college-level microeconomics, AP Microeconomics courses provide students with a thorough understanding of the principles of economics that apply to the functions of individual decision makers (both consumers and producers). They place primary emphasis on the nature and functions of product markets, while also including a study of factor markets and the role of government in the economy. AP courses are calculated on a weighted grading scale. Students who drop an AP class at any time during the year, or who do not take the AP exam, will lose the weighted grade.

AP Macroeconomics (Even years)

Following the College Board's suggested curriculum designed to parallel college-level macroeconomics, AP Macroeconomics courses provide students with a thorough understanding of the principles of economics that apply to an economic system as a whole. They place particular emphasis on the study of national income and price determination and developing students' familiarity with economic performance measures, economic growth, and international economics. AP courses are calculated on a weighted grading scale. Students who drop an AP class at any time during the year, or who do not take the AP exam, will lose the weighted grade.

Managing Lifestyles

This course is designed to focus on the knowledge, attitudes, and behaviors needed to participate in positive, caring, and respectful relationships in the family, community, and workplace. This project/lab -based course uses communication, leadership and management methods to develop knowledge and behaviors necessary for individuals to become independent, contributing, and responsible participants in family, community, and career settings. Emphasis is placed on the development of techniques and strategies to assist individuals in responding to situations presented in family relationships and the workplace. The course content includes: managing responsibilities, satisfactions and stresses of work and family life; analyzing personal standards, needs, aptitudes and goals; roles and responsibilities of living independently and as a family member; demonstrating goal-setting and decision-making skills; identifying and utilizing community resources; and developing effective relationships to promote communication with others. The course provides students content to identify resources that will assist them in managing life situations. Cooking labs, field trips, and guest speakers are utilized throughout the class.

Consumer Economics

This course focuses on the identification and management of personal and family resources to meet the needs, values, and wants of individuals and families throughout the life cycle. The course utilizes a variety of project -based experiences and service learning opportunities to gain knowledge and expertise in understanding and applying management skills, with consideration to diverse social, economic, technological, environmental, and cultural characteristics of individuals and families. Topics include: consumer rights and responsibilities in the marketplace; financial responsibility and decision making; planning and money management; credit and debt; risk management and insurance; saving and investment; homeownership; state and federal taxes; electronic banking; and current issues in the economy.

ENGLISH CURRICULUM

Course	Semester(s)	Credit(s)	Prerequisite(s)
English 9	2	2	Grade 9
English 9 Honors	2	2	Grade 9, MS placement
English 10	2	2	Grade 10
English 10 Honors	2	2	Grade 10, teacher placement
English 11	2	2	Grade 11 or 12
English 12	2	2	Grade 12
College Prep English 12	2	2	Grade 12
AP English Language and Composition	2	2	Grade 11, 12
AP English Literature and Composition	2	2	Grade 11, 12
English 101 - Composition I (BHC & GHS credit)	1	1	Grade 12
English 102 – Composition II (BHC & GHS credit)	1	1	English 101
Media Literacy	1	1	Grade 11, 12
Creative Writing	1	1	Grade 11, 12

Comprehensive Language Arts, Reading, Writing & Literature

English 9

English 9 is a survey course designed to give students experiences in reading and analyzing fiction and nonfiction, speaking and listening, developing vocabulary, and improving writing skills, including grammar and conventions. Students are expected to participate actively and show determination each day to grow as a reader, writer, and thinker.

English 9 Honors

English 9 Honors is an advanced course designed to give students intensive and challenging experiences in reading and analyzing fiction and nonfiction texts, speaking and listening, developing and expanding vocabulary, as well as improving writing, including grammar and conventions. Students are expected to participate actively and show determination each day to grow as a reader, writer and thinker. This course is not weighted on the Advanced Scale.

Requirements: Close reading and analysis of various texts is required during the summer prior to the course.

English 10

Composition courses build upon previous writing skills. Courses seek to develop the writing processes and practices necessary for producing successful high school compositions. Students typically learn to write persuasive, critical, and creative multi-paragraph essays and compositions. While emphasizing composition, these courses may also incorporate some literature study to expose students to exemplary illustrations of various forms of writing.

English 10 Honors

English 10 Honors Composition is an advanced course designed to provide students with intensive critical thinking and challenging experiences involving reading and analyzing texts, enhancing their speaking and listening skills, continuing to expand their vocabulary, as well as improve their writing, grammar and conventions in preparation for taking Advanced Placement courses. Students will be expected to actively participate, demonstrate a growth mindset, and show a determination to grow as a reader, writer, and thinker. This course is not weighted on the Advanced Scale.

Requirements: Close reading and analysis of various texts is required during the summer prior to the course.

English 11

English 11 courses continue to develop students' writing skills, emphasizing clear, logical writing patterns, word choice, and usage, as students write essays and begin to learn the techniques of writing research papers. Students continue to read works of literature, which often form the backbone of the writing assignments. Literary devices and standard English grammar and conventions receive greater emphasis than in previous courses.

English 12

English 12 courses blend composition and literature into a cohesive whole as students write critical and comparative analyses of selected literature, continuing to develop their language arts skills. Typically, students primarily write multi-paragraph essays, but they may also write one or more major research papers.

College Prep English 12 (Transitional English 12)

This is a senior level English course that draws on students' interests and provides choice to help prepare students for college and/or career readiness. It builds on students' experiential and academic knowledge by integrating reading, critical thinking and analysis, writing, and students and career related skills in order to enhance students' success in future college-level courses and career pathways. The course focuses on growth over the entire course through scaffolding, gradual increase of depth and rigor, and the opportunity to receive feedback, reflect and revise work multiple times.

AP English Language and Composition

The AP English Language and Composition course cultivates the reading and writing skills that the students need for college success and for intellectually responsible civil engagement. The course guides students in becoming curious, critical, and responsive readers of diverse texts and becoming flexible, reflective writers of texts addressed to diverse audiences for diverse purposes. The reading and writing students do in the course should deepen and expand their understanding of how written language functions rhetorically: to communicate writers' intentions and elicit reader' responses in particular situations.

Requirements: *Close reading and analysis of various texts is required during the summer prior to the course.*

Prerequisite: *There are no prerequisite courses for AP English Language and Composition. Students should be able to read and comprehend college-level texts and write grammatically correct, complete sentences. Therefore, students must have passed and maintained at least a B average in their previous English courses.* AP courses are calculated on a weighted grading scale. Students who drop an AP class at any time during the year, or who do not take the AP exam, will lose the weighted grade.

AP English Literature and Composition

Following the College Board's suggested curriculum designed to parallel college-level English courses, AP English Literature and Composition courses enable students to develop critical standards for evaluating literature. Students study the language, character, action, and theme in works of recognized literary merit, enrich their understanding of connotation, metaphor, irony, syntax, and tone, and write compositions of their own (including literary analysis, exposition, argument, narrative, and creative writing).

Requirements: *Close reading and analysis of various texts is required during the summer prior to the course.*

Prerequisite: *There are no prerequisite courses for AP Literature and Composition. Students should be able to read and comprehend college-level texts and write grammatically correct, complete sentences. Therefore students must have passed and maintained at least a B average in their previous English courses.* AP courses are calculated on a weighted grading scale. Students who drop an AP class at any time during the year, or who do not take the AP exam, will lose the weighted grade.

English 101 Composition I (1st semester)

3 lecture hours, 3 BHC credits, 1 GHS English credit

Prerequisite: Qualifying ACT/SAT or ACCUPLACER score and grade 12 status.

The first of two courses in the one-year composition sequence, English 101 introduces students to college-level writing as a process of developing and supporting a thesis in an organized essay. English 101 requires students to read and think critically, and it emphasizes using appropriate style and voice as well as the conventions of standard English and citation. Grade of "C" or higher required for this course to be eligible to be included in the IAI General Education Core Curriculum.

English 102 Composition II (2nd semester)

3 lecture hours, 3 BHC credits, 1 GHS English credit

Prerequisite: Successful completion of English 101 with a "C" or higher and must pass English 101 exit exam.

English 102, a continuation of English 101, is a required composition course that involves reading, discussion, and analysis of a body of literature to generate ideas for critical and persuasive papers, including one documented research paper. (Grade of "C" or higher required for this course to be eligible to be included in the IAI General Education Core Curriculum).

Electives- Elective courses are offered for elective credit only.

Creative Writing

Creative Writing courses offer students the opportunity to develop and improve their technique and individual style in poetry, short story, drama, essays, and other forms of prose. The emphasis of the courses is on writing; however, students may study exemplary representations and authors to obtain a fuller appreciation of the form and craft. Although most creative writing classes cover several expressive forms, others concentrate exclusively on one particular form (such as poetry or playwriting).

Media Literacy

Media Literacy courses enable students to understand and critically evaluate the role of media in society. Course content typically includes design elements, journalistic investigating and writing, photography, videography, and other multimedia technology and devices. Skills learned in this course will prepare students for 21st century careers.

FAMILY AND CONSUMER SCIENCE CURRICULUM

Course	Semester(s)	Credit(s)	Prerequisite(s)
Family & Cons Science	2	2	Grade 9
Foods I	1	1	Grade 10-12
Foods II	1	1	Foods 1 or FACS
Interior Design	1	1	Grade 11-12
+Child Development	1	1	Grade 11-12
+Parenting	1	1	Grade 11-12
Managing Lifestyles	1	1	Grade 12
NA 100 Extended Health Occupations Certified Nursing Assistant	2	4	Grade 12 (see description)

+ Our high school has formed articulation agreements with Black Hawk College. Students completing the above-identified courses at Geneseo High School with a “B” or better may earn articulation credit. Upon enrolling at Black Hawk College and discussing the articulated credit with BHC advisor, the student may (depending upon the course of study) receive college credit at no cost.

Family and Consumer Science

This course introduces students to the field of family and consumer sciences and the many career opportunities available in this broad field. The course includes theory and laboratory experiences in the following content areas: Nutrition and culinary arts; textiles and design; family, career, and community leadership development; resource management; human development and life-long learning; facility design, care, and management; and interpersonal relationships and life management skills. The textile and design portion of this course is designed to provide basic knowledge and understanding of the design, development, and production of textile products. Through hands-on and project-based learning experiences students will discover fabric construction methods and design in textiles and apparel, and basic construction skills used in interior furnishings and apparel industries.

Child Development

Child Development addresses the knowledge, skills, attitudes, and behaviors associated with supporting and promoting optimal growth and development of infants and children. The focus is on research -based nurturing and parenting practices and skills, including brain development research, that support positive development of children. Students will explore opportunities in human services and education-related careers.

Foods I

This course includes classroom and laboratory experiences needed to develop a knowledge and understanding of culinary principles and nutrition for people of all ages. Course content encompass: food service and preparation management using the decision-making process; meeting basic needs by applying nutrition concepts; meeting health, safety, and sanitation requirements; maximizing resources when planning/preparing/preserving/serving food; applying hospitality skills; analyzing nutritional needs in relation to change; regional and international cuisine; and careers in nutrition and culinary arts.

Foods II

Prerequisite: Foods 1 or Family and Consumer Sciences (FACS)

Nutrition and Culinary Arts II provides principles of application into the hospitality industry, including nutrition, culinary, and entrepreneurial opportunities. Course content includes the following: selection, purchase, preparation, and conservation of food, dietary needs and trends, safety and sanitation, and careers in food service industries. All of these concepts can be interpreted through laboratory experiences.

Interior Design

This course provides basic knowledge and skills needed to select, acquire, furnish, maintain, and manage residential and commercial environments to meet the needs of the users/occupants. The course includes the application of the interior design elements and principles; selection and care of furnishings, equipment and accessories in relation to socio –economic factors, trends, personal tastes and characteristics, as well as physical and psychological needs; safety, sanitation, and efficiency factors in interior design; and evaluating use and care of textiles. This project-based course investigates a variety of related career opportunities, including entrepreneurship. Emphasis is placed on the application of project management skills. Field trips and guest speakers are incorporated throughout the course.

Parenting

This course helps students understand the responsibilities, satisfactions and stresses of parenthood. Course content includes the following: managing and organizing parenting by applying decision-making and goal-setting skills; applying the basic principles of the parenting process; practicing health and safety standards as related to parenting; providing experiences which encourage parents and children to maximize resources; encouraging human relations skills in children/adolescents; community resource agencies and services; and evaluating impact on parenting of family and career changes.

Managing Lifestyles

This course is designed to focus on the knowledge, attitudes, and behaviors needed to participate in positive, caring, and respectful relationships in the family, community, and workplace. This project/lab-based course uses communication, leadership and management methods to develop knowledge and behaviors necessary for individuals to become independent, contributing, and responsible participants in family, community, and career settings. Emphasis is placed on the development of techniques and strategies to assist individuals in responding to situations presented in family relationships and the workplace. The course content includes: managing responsibilities, satisfactions and stresses of work and family life; analyzing personal standards, needs, aptitudes and goals; roles and responsibilities of living independently and as a family member; demonstrating goal-setting and decision-making skills; identifying and utilizing community resources; and developing effective relationships to promote communication with others. The course provides students content to identify resources that will assist them in managing life situations. Cooking labs, field trips, and guest speakers are utilized throughout the class.

NA 100 Extended Health Occupations– Certified Nursing Assistant

Early Bird 8 BHC credits hours, 2 semesters, 4 GHS elective credits

Prerequisite: Grade 12, Minimum GPA 2.5 after 5 semesters, ACT/SAT or an ACCUPLACER score.

Additional requirements: proof of recent physical exam with record of immunizations, TB screening (provided by facility), purchase of uniform, watch with second hand, and appropriate footwear. Provides the potential nurse assistant with knowledge, understanding and skills to function as a responsible member of the health team. Students combine theory with practical applications to various health care situations. Additional emphasis has been incorporated regarding care for patients with Alzheimer's Disease, the aging process, problems of the aged, and death and dying. Participation in this class requires compliance with standards set by the Illinois Department of Public Health for attendance of a minimum of 80 theory and 40 clinical hours. Clinical hours are defined as time spent in various settings of the sponsoring facility, primarily in long term care. Once successfully completed, the candidate qualifies for application to take the Illinois Competency Exam for Nursing Assistants. This course is limited to 8 students. Acceptance into this program will be based on GPA, attendance, discipline records and a passing placement score.

FOREIGN LANGUAGE CURRICULUM

Course	Semester(s)	Credit	Prerequisite(s)
Spanish I	2	2	Grades 9-12
Spanish II	2	2	Spanish I
Spanish III	2	2	Spanish II
Spanish IV	2	2	Spanish III

Special Course Requirements: Students should review admissions in foreign language at the college or university of their choice. **It is required that students enrolling in Spanish I earn a grade of “B” or better in their previous semester of English. It is essential that students have an understanding of the English language, be able to memorize, and possess good study skills. Students are strongly encouraged to take language study in consecutive years. If a student fails a semester of foreign language, they may not continue to the next semester or next level. They will have to repeat the entire course with a passing grade in each semester. For example: if fall semester of Spanish I is failed, the student will be removed from the course at semester, and can not re-enroll in Spanish I until the following school year.**

Spanish I

Designed to introduce students to Spanish language and culture, Spanish I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Spanish culture is introduced through the art, customs, and history of Spanish-speaking people.

Spanish II

Spanish II courses build upon skills developed in Spanish I, extending students’ ability to understand and express themselves in Spanish and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of Spanish-speaking people to deepen their understanding of the culture(s).

Spanish III

Spanish III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

Spanish IV

Spanish IV courses focus on advancing students’ skills and abilities to read, write, speak, and understand the Spanish language so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary.

GENERAL ELECTIVE CURRICULUM

Course	Semester(s)	Credit	Prerequisite(s)
Internship/Independent Study	1	1	Grades 11-12
Independent Study Yearbook	2	2	Grades 10-12
Intro to Education and Teaching	2	2	Grade 12

Internship/Independent Study

The Internship Program is experiential learning that integrates knowledge and theory learned in the classroom with practical application and skills development in a professional setting. Internships give the students the opportunity to gain valuable applied experience and make connections in professional fields they are considering for career paths; and gives employers the opportunity to guide and evaluate talent. In addition, an internship is a semester (fall or spring) in duration, and will earn 1 elective high school credit in a pass or fail grade. The experience is unpaid. The student will have daily attendance taken at the agreed upon internship sight, and have weekly check ins with the Internship Coordinator at Geneseo High School.

Independent Study Yearbook

This course will explore Online Design. Students will have opportunities to take pictures, edit pictures, work on layout and design of pages, select theme, and more as part of creating the historical record of that school year. This course takes the place of a study hall. Any interested student should speak with the yearbook advisors to know more. Independent Study Yearbook is work one credit per semester, and will be given a pass/fail grade.

Introduction to Education and Teaching

This course is designed as an overview of the foundations of the teaching profession, including the basic values, structure, organization and programming of teaching. Students will gain knowledge of a variety of educational theories and will observe professionals in the classroom setting.

Remote Educational Program Options

A Remote Educational Program shall provide students the option to participate in courses not offered at Geneseo High School. The Superintendent or designee will approve/deny course requests.
See School Board Policy 6:185

MATHEMATICS CURRICULUM

Course	Semester(s)	Credit(s)	Prerequisite(s)
Algebra I	2	2	MS Placement
Informal Algebra I	2	2	MS Placement
Geometry	2	2	Algebra I
Informal Geometry	2	2	Informal Algebra I
Algebra II	2	2	Geometry
Informal Algebra II	2	2	Informal Geometry
Pre-Calculus	2	2	Algebra II
Pre-Cal Math 112 & 116 (BHC and GHS Credit)	2	2	B- or higher in Algebra II, Grade 11 & 12
College Prep Math	2	2	Algebra II and Grade 12, Informal Algebra II with a Teacher Rec.
AP Calculus AB	2	2	Pre-Calculus or Pre-Cal Math 112 & 116
AP Calculus BC	2	2	Pre-Cal Math 112 & 116
Probability and Statistics	2	2	Algebra II
AP Statistics	2	2	Pre-Calculus

*Teacher may make individual recommendations that differ from this chart.

Algebra I

The Algebra I course is aligned to the Illinois State Standards and the Common Core Standards. The course includes operating with real numbers, real number properties, solving equations in one variable, translating word problems into equations including fractions, decimal, percent, ratio, and motion problems, graphing inequalities, disjunction, conjunctions, and linear equations, simplifying and operating with polynomials, rational expressions, and radicals, factoring polynomials, solving systems of linear equations and quadratic equations. It also includes graphing piecewise, step functions, quadratics and radical functions.

Informal Algebra 1

The Informal Algebra 1 course is aligned to the Illinois State Standards and the Common Core Standards. The course includes operating with real numbers, real number properties, solving equations in one variable, translating word problems into equations including fractions, decimal, percent, and ratio, graphing inequalities, disjunction, conjunctions, and linear equations, simplifying and operating with polynomials, and radicals, factoring polynomials, solving systems of linear equations and quadratic equations.

Geometry

The Geometry course is aligned to the Illinois State Standards and the Common Core Standards. The course includes an in-depth analysis of plane, solid, and coordinate geometry as they relate to both the abstract and mathematical concepts as well as real-world applications. This is a course to develop and practice problem solving skills using inductive and deductive reasoning. It uses two, and three-dimensional geometric shapes (points, lines, planes, triangles, polygons, circles, and solids) and examines their properties, measurement, and mutual relations in space. Geometric proofs are used as a vehicle to systematically develop these problem-solving skills.

Informal Geometry

The Informal Geometry course is aligned to the Illinois State Standards and the Common Core Standards. The course includes an analysis of plane, solid, and coordinate geometry as they relate to both the abstract and mathematical concepts as well as real-world applications. This is a course to develop and practice problem solving skills using inductive and deductive reasoning. It uses two, and three-dimensional geometric shapes (points, lines, planes, triangles, polygons, circles, and solids) and examines their properties, measurement, and mutual relations in space. Geometric proofs are used as a vehicle to systematically develop these problem-solving skills.

Algebra II

The Algebra II course is aligned to the Illinois State Standards and the Common Core Standards. The course builds on topics presented in Algebra I and Geometry, including the study of linear equations, quadratic equations, solving systems of linear and quadratics, operations with rational and irrational expressions, factoring rational expressions. The course also includes trigonometric concepts with a focus on right triangles, explorations of polynomial, exponential, logarithmic, and inverse functions, including the graphing of these functions. It also covers Sequences and Series.

Informal Algebra II

The Informal Algebra II course is aligned to the Illinois State Standards and the Common Core Standards. The course builds on topics presented in Algebra I and Informal Geometry, including the study of linear equations, quadratic equations, solving systems of linear and quadratics, operations with rational and irrational expressions, factoring rational expressions. The course also includes trigonometric concepts with a focus on right triangles, explorations of polynomial, exponential, logarithmic, and inverse functions, including the graphing of polynomial and exponential functions.

Pre-Calculus

Pre-Calculus topics typically include the study of right trigonometric and circular functions, inverses, and graphs, trigonometric identities and equations, solutions of right and oblique triangles, complex numbers, numerical tables, polynomial, logarithmic, exponential, and rational functions and their graphs, vectors, mathematical induction, sequences and series, and limits and continuity.

Pre-Calculus Math 112

Prerequisite: Qualifying SAT/ACT score or ACCUPLACER score and Grade 11 or 12 status. **4 BHC credits, 1 GHS credit**
The first of two courses in the one-year Math sequence, Pre-Cal 112 includes the study and theory of properties of functions, graphs of functions with symmetry and translations; including polynomial functions, rational functions. The course also explores exponential and logarithmic functions, systems of equations, matrices, and conic sequences.

Pre-Calculus Math 116

Prerequisite: Successful completion of Math 112. **3 BHC credits, 1 GHS credit**
The second of two courses in the one-year Math sequence, Pre-Cal 116 includes an emphasis on Trigonometry, learning circular functions, identities, conditional equations, right triangle trigonometry, solution of oblique triangles, inverse functions, complex numbers and polar coordinates. The course will also cover limits and an introduction to differential calculus.

College Prep Math (Transitional Math)

College Prep Math courses review and extend algebra concepts for students who have already taken Geometry and Algebra II, or Informal Algebra II with a teacher recommendation. College Prep Math courses include a review of such topics as properties and operations of real numbers, graphing and solving linear, polynomial (including quadratics), exponential, logarithmic, radical, and rational functions.

AP Calculus AB

Following the College Board's suggested curriculum designed to parallel college-level calculus courses, AP Calculus AB provides students with an intuitive understanding of the concepts of calculus and experience with its methods and applications. These courses introduce calculus and include the following topics: elementary functions, properties of functions and their graphs, limits and continuity, differential calculus (including definition of the derivative, derivative formulas, theorems about derivatives, geometric applications, optimization problems, and the rate-of-change problems), and integral calculus (including anti-derivatives and the definite integral). AP courses are calculated on a weighted grading scale. Students who drop an AP class at any time during the year, or who do not take the AP exam, will lose the weighted grade.

AP Calculus BC

Following the College Board's suggested curriculum designed to parallel college-level calculus courses, AP Calculus BC courses provide students with an intuitive understanding of the concepts of calculus and experience with its methods and applications, and also require additional knowledge of the theoretical tools of calculus. These courses assume a thorough knowledge of elementary functions, and cover all of the calculus topics in AP Calculus AB, as well as the following topics: vector functions, parametric equations, and polar coordinates, rigorous definitions of finite and nonexistent limits, derivatives of vector functions and parametrically defined functions, advanced techniques of integration and advanced applications of the definite integral, and sequences and series. AP courses are calculated on a weighted grading scale. Students who drop an AP class at any time during the year, or who do not take the AP exam, will lose the weighted grade.

Probability and Statistics

Probability and Statistics course has students describe, explore, and compare sets of data by organizing, graphing, and looking at the measures of center and dispersions. Rules of probability are applied to a variety of scenarios, including area under the curve. Students will estimate sample size, conduct hypothesis tests, and make inferences when comparing two samples.

AP Statistics

Following the College Board's suggested curriculum designed to parallel college-level statistics courses, the purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: Exploring data, sampling and experimentation, anticipating patterns, and statistical references. AP courses are calculated on a weighted grading scale. Students who drop an AP class at any time during the year, or who do not take the AP exam, will lose the weighted grade.

PHYSICAL EDUCATION, HEALTH, AND DRIVERS EDUCATION CURRICULUM

Course	Prerequisite(s)
Physical Education*	Grade 9-12
Wellness	Grade 10-12
Advanced Wellness	Grade 10-12, One Semester of Wellness or Admin Approval
Health	Grade 9
Drivers' Education – Classroom with Physical Education	Grades 9, 10
Driver's Education- Classroom with Wellness/Fitness	Grades 9, 10
Drivers' Education – Laboratory (Behind the Wheel)***	Grade 10

Eligibility for Drivers' Education is based upon earning 8 credits in the previous two semesters.

Physical Education

General Physical Education courses provide students with knowledge, experience and an opportunity to develop skills in more than one of the following sports or activities: team sports, individual/dual sports, recreational sports, and fitness/conditioning activities. Weekly fitness days and weight room days are also included in the program.

Wellness- Emphasizes proper technique, form, nutrition, and development to build a strong foundation of strength training knowledge and performance.

Advanced Wellness - Builds on the foundation of knowledge from Wellness and emphasizes strength gains throughout the year. *Prerequisite for Advanced Wellness: At least a semester of Wellness, or Administration approval. Priority given to multi-sport athletes when capacity is reached.*

Health Education

Topics covered within Health Education courses may vary widely, but typically include personal health (nutrition, mental health and stress management, drug/alcohol abuse prevention, disease prevention, and first aid) and consumer health issues. The courses may also include brief studies of environmental health, personal development, and/or community resources.

Drivers' Education—Classroom

Drivers' Education—Classroom Only courses provide students with the knowledge to become safe drivers on America's roadways. Topics in these courses include legal obligations and responsibility, rules of the road and traffic procedures, safe driving strategies and practices, and the physical and mental factors affecting the driver's capability (including alcohol and other drugs).

Drivers' Education—Laboratory (Behind the Wheel)

Drivers' Education Behind Wheel (Laboratory) course provides students with the experience to become safe drivers on America's roadways. Topics in these courses cover legal obligations and responsibility, rules of the road and traffic procedures, safe driving strategies and practices, and the physical and mental factors affecting the driver's capability (including alcohol and other drugs). Experience in driving a vehicle is an essential component of these courses.

* For information about PE waivers, please refer to the PE Waiver Information & Application posted on the GHS website. The Geneseo High School page can be found at www.geneseoschools.org, from there click on the Counseling Link.

***Students who plan to enroll in Behind the Wheel are expected to have their driving permit before the first day of driving. Failure to obtain a permit prior to the start of the quarter in which they will drive will mean completion of Behind the Wheel will be delayed. This course may not be repeated after dropping or failing unless there is an available seat after all other eligible students are placed.

SCIENCE CURRICULUM

Course	Semester(s)	Credit(s)	Prerequisite(s)
Earth Science	2	2	Teacher placement
Environmental Science	2	2	Teacher placement
Biology	2	2	Teacher placement
Biology Advanced Studies	2	2	Teacher placement
PLTW Intro to Engineering	2	2	Grades 10-12, Algebra 1 Required
Forensic Science	2	2	Grades 11th and 12th
Anatomy & Physiology	2	2	Biology & Chemistry required with a B or higher in both classes 1 st SM and by mid-term 2 nd SM.
AP Biology	2	2	Biology & Chemistry required with a B- or higher in both classes 1 st SM and by mid-term 2 nd SM
Chemistry	2	2	Algebra II required or concurrently, Biology required
Chemistry Advanced Studies	2	2	Algebra II required or concurrently with a B or higher in AS Bio OR a A- or higher in Bio.
AP Chemistry	2	2	Teacher Placement, Chemistry and Algebra II required with a B or higher in both classes 1 st SM and by mid-term 2 nd SM.
Physics	2	2	Algebra II
AP Physics I	2	2	Algebra II and Chemistry

Earth Science

Earth Science courses offer insight into the Earth's systems and resources, emphasizing human uses and impacts on the Earth. While presenting the concepts and principles essential to students' understanding of the dynamics and history of the earth, this course will explore astronomy, geology, hydrology, meteorology, as well as current events and topics relevant to scientific inquiry and societal issues. Earth Science focuses on the features of Earth, atmosphere, the universe and the process that created it all.

Environmental Science

Environmental Science courses examine the mutual relationships between organisms and their environment. In studying the interrelationships among plants, animals, and humans, these courses usually cover the following subjects: ecosystems, population and growth studies, pollution, and conservation of natural resources and the overall impact and influences humans have on the environment.

Biology

Biology courses are designed to provide practice and learning opportunities in the fundamental concepts of life and life processes. These courses include, but are not restricted to, such topics as cell structure, function and reproduction, genetics, evolution, ecology, adaptations and interactions among living organisms in real-world applications and problems in which students develop scientific process skills.

Biology Advanced Studies

This Biology course is taught using anchoring phenomena to engage students and provide opportunities to develop scientific knowledge and skills in order to find solutions to real world problems. Topics that may be explored include cell organization, function, and reproduction, energy transformation, ecology, and the evolution and adaptation of organisms. Each student will be required to do a supplemental project each quarter. There will be a .5 weighted grade assigned to the GPA of this class. If a student drops the class at any time during the year, the weighted grade will not be awarded.

Project Lead The Way- Introduction to Engineering Design

Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3-D modeling software, and use an engineering notebook to document their work.

Forensic Science

Forensic science is a fascinating field where law enforcement meets scientific investigation. Students will study crime scene management, criminal law, and methods of scientific analysis. Students will use problem solving to identify, document, collect, preserve, and analyze physical evidence. By participating in collection of physical evidence and forensic psychology, students will use critical thinking to gain experience in criminalistics and criminology. Students will learn about the advantages and limitations of forensics techniques in genuine criminal case studies.

Anatomy and Physiology

Usually taken after a comprehensive initial study of biology and chemistry, Anatomy and Physiology courses present the human body and biological systems in more detail. In order to understand the structure of the human body and its functions, students learn anatomical terminology, study cells and tissues, explore functional systems (skeletal, muscular, circulatory, respiratory, digestive, reproductive, nervous, and so on), and may dissect mammals. Completion of biology and chemistry prior to enrollment in this course is required. ***Please see prerequisites.**

AP Biology

Adhering to the curricula recommended by the College Board and designed to parallel college level introductory biology courses. AP Biology courses enable the student to develop advanced inquiry and reasoning skills and connect concepts in and across domains. These courses cover 4 big ideas: Evolution, energy, information (genetics), and systems. AP Biology courses include college-level laboratory experiments. AP courses are calculated on a weighted grading scale. Students who drop an AP class at any time during the year, or who do not take the AP exam, will lose the weighted grade.

Chemistry

General chemistry examines fundamental principles with characterize properties of matter and their reactions. Students will be exposed to lab experiments, and investigations, to reinforce chemistry concepts. Topics include, but are not limited to: measurement, atomic structure, electron configuration, gas laws, stoichiometry, chemical reactions and acids and bases. ***Please see prerequisites.**

Chemistry Advanced Studies

Chemistry—Advanced Studies courses cover chemical properties and interactions in more detail. Advanced chemistry topics include atomic structure, thermodynamics, reactions, acids and bases, electrochemistry-and more. There will be a .5 weighted grade assigned to the GPA of this class. If a student drops the class at any time during the year, the weighted grade will not be awarded. ***Please see prerequisites.**

AP Chemistry

Following the curricula recommended by the College Board, AP Chemistry courses usually follow high school chemistry and second-year algebra. The framework is organized into 9 Units. The College Board curriculum emphasizes inquiry to prepare for typical college courses. The class will cover topics from prior Chemistry in greater detail as well as introduce new concepts to achieve a level of understanding similar to that of a college General Chemistry course. AP courses are calculated on a weighted grading scale. Students who drop an AP class at any time during the year, or who do not take the AP exam, will lose the weighted grade. ***Please see prerequisites.**

Physics

Physics is an inquiry-based course designed to expand on the principles of how and why the world around us works and find practical applications of physics through labs, data analysis, problem solving, and discussions. Students will investigate the topics of motion, force, energy, electricity, magnetism, sound and light.

AP Physics I

Following the Curricula recommended by College Board, AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as Newtonian mechanics (including rotational motion); work, energy, and power and mechanical waves. AP courses are calculated on a weighted grading scale. Students who drop an AP class at any time during the year, or who do not take the AP exam, will lose the weighted grade. The textbook used for this course is “College Physics: A Strategic Approach” 3rd Edition, by Knight, Field and Jones. The textbook is not mandatory, but is recommended as an added resource to read during the year.

SOCIAL STUDIES CURRICULUM

Course	Semester(s)	Credit(s)	Prerequisite(s)
World History Honors	2	2	Grade 9, MS recommendation
Ancient Civilizations (World History before 1350)	1	1	Grade 9-12
Western Civilization (World History from 1350)	1	1	Grade 9-12
Contemporary World Issues	1	1	Grade 11-12
U.S. History	2	2	Grade 10
AP U.S. History	2	2	Grade 10-12 See course description
U.S. Government	1	1	Grade 11
AP U.S. Government and Politics	2	2	Grade 11 See course description
Economics	1	1	Grade 11, 12
Sociology	1	1	Grade 11, 12
Humanities	1	1	Grade 11, 12, GPA 3.0

World History Honors

World History Honors provides students with an overview of the history of human society from early civilization to the contemporary period, examining political, economic, social, religious, military, scientific, and cultural developments. Specifically, the course reviews the ancient civilizations of Egypt, Mesopotamia, Greece, and Rome, along with the Middle Ages. The primary focus of the course looks at the development of western civilizations in Europe from 1500 to the present – beginning with the Renaissance and Reformation, through the English and French Revolutions, 19th century Industrialization and Nationalism, World War I and World War II and the Cold War. Finally, this course is a prerequisite for students to potentially take AP US History as sophomores.

Ancient Civilizations (World History before 1350)

Ancient Civilizations courses provide a survey of the evolution of society from the ancient Middle East through Greek and Roman civilizations. Typically, in these courses, students study the rise and fall of civilizations and empires, with an emphasis on the legacies they provide to successive societies. Western and Ancient Civilization are the only Social Studies electives for Freshman, however, it is open to Grade 9-12 students.

Western Civilization (World History from 1350)

Western Civilization courses apply an interdisciplinary approach to the study of western cultural traditions, frequently using a chronological framework. Course content typically includes a survey of the major developments in and contributors to art and architecture, literature, religion and philosophy, and culture. These courses may also cover intellectual and political movements. Western and Ancient Civilization are the only Social Studies electives for Freshman, however, it is open to Grade 9-12 students.

Contemporary World Issues

Contemporary World Issues courses enable students to study political, economic, and social issues facing the world. These courses may focus on current issues, examine selected issues throughout the 20th century, and look at historical causes or possible solutions. This is a discussion-based course, there is NO textbook. To provide information for discussion and to supplement the course, each student will have a classroom subscription to the New York Times Upfront magazine, as well as a daily copy of the Moline Dispatch newspaper. Specific units of study include, but are not limited to: world geography, world religions, and wealth distribution/poverty in 3rd world countries. The purpose of this course is to help students become more aware of and gain a better understanding of the situations in the world that are of a concern to the U.S. and the world community.

U.S. History

U.S. History courses provide students with an overview of the history of the United States, examining time periods from discovery or colonialism through World War II or after. These courses typically include a historical overview of political, military, scientific, and social developments. Course content may include a history of the North American peoples before European settlement.

AP U.S. History

Following the College Board's suggested curriculum designed to parallel college-level U.S. History courses, AP U.S. History courses provide students with the analytical skills and factual knowledge necessary to address critical problems, U.S. history. Students learn to assess historical materials and to weigh the evidence and interpretations presented in historical scholarship. The course examines the discovery and settlement of the New World through the recent past. AP courses are calculated on a weighted grading scale. Students who drop an AP class at any time during the year, or who do not take the AP exam, will lose the weighted grade. **Prerequisites:** The course is open to sophomores, juniors, and seniors who are motivated to meet the college-level curriculum. Sophomores must have completed the Honors World History course with a B+ or better and a recommendation from the instructor of the course. Any other interested sophomores must have the permission of the AP instructor. Junior/Seniors must have completed a U.S. History course with B+ and a recommendation from the instructor of the course.

U.S. Government

U.S. Government courses provide an overview of the structure and functions of the U.S. government and political institutions and examine constitutional principles, the concepts of rights and responsibilities, the role of political parties and interest groups, and the importance of civic participation in the democratic process. These courses may examine the structure and function of state and local governments and may cover certain economic and legal topics.

AP U.S. Government and Politics

Following the College Board's suggested curriculum designed to parallel college-level U.S. Government and Politics courses, these courses provide students with an analytical perspective on government and politics in the United States, involving both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. The courses generally cover the constitutional underpinnings of the U.S. government, political beliefs and behaviors, political parties and interest groups, the institutions and policy process of national government, and civil rights and liberties. **Prerequisites:** Completed AP US History or completed regular US History with a B+ or better. Students are required to purchase an online textbook for this class. AP courses are calculated on a weighted grading scale. Students who drop an AP class at any time during the year, or who do not take the AP exam, will lose the weighted grade.

Economics

Economics courses provide students with an overview of economics with primary emphasis on the principles of microeconomics and the U.S. economic system. These courses may also cover topics such as principles of macroeconomics, international economics, and comparative economics. Economic principles may be presented in formal theoretical contexts, applied contexts, or both.

Sociology

Sociology courses introduce students to the study of human behavior in society. These courses provide an overview of sociology, generally including, but not limited to, topics such as social institutions and norms, socialization and social change, and the relationships among individuals and groups in society. In addition, the course also explores personality formation, early childhood and adolescent development, crime & deviance, race & ethnicity, the family, religion, education, and sport, along with looking at the "why" of people's actions and behaviors.

Humanities

Humanities courses examine and evoke student responses to human creative efforts and the world in particular historical periods and in particular cultures. Course content includes exploration, analysis, synthesis, and various responses to cultural traditions, including viewing, listening, speaking, reading, writing, performing, and creating. The courses may also examine relationships among painting, sculpture, architecture, and music.

The Geneseo High School social studies curriculum is compliant with Illinois school code to include instruction on the following topics. ILCS 5/27-20.3 Holocaust & Genocide, 5/27-20.4 Black History, 5/27-20.5 study of women's history, 5/27-20.6 study of Irish potato famine. 5/27-21 History of the United States.

SPECIAL EDUCATION CURRICULUM

The prerequisite for all classes is placement in the Special Education Program.

Course	Semester(s)	Credit(s)
English I, II, III, IV	2 (each)	2 (each)
Informal Mathematics	2	2
# Plane Geometry	2	2
Consumer Mathematics	2	2
General Math	2	2
# Pre-Algebra	2	2
# Integrated Science	2	2
# Unified Science	2	2
U.S. History	2	2
U.S. Government	1	1
# Contemporary U.S. Issues	1	1
# World Geography	1	1
Life Skills (English, Math, Science and Social Studies)	2 (each)	2 (each)
Community Experience	2	2
Adapted Physical Education	2	2
Health Education	1	1
Corrective Reading	2	2
Strategic Reading	1	1
Personal Finance	1	1
# Introduction to Computers	2	2
# Industrial Arts	2	2
# Family Living	2	2
Life Long Learning	2	2
Study Skills	1	1
Tutorial	2	0
# Career Exploration	2	2
# Employability Skills	2	2
Workplace Experience (STEP)	2	4

Alternating year class.

English

English I - English/Language Arts I (9th grade)

The English/Language Arts I course builds upon students' prior knowledge of grammar, vocabulary and word usage to develop the mechanics of writing. The course emphasizes reading and annotating, writing, speaking, and listening. Students will be exposed to various genres of literature with writing exercises linked to reading selections.

English II - English/Language Arts II (10th grade)

The English/Language Arts II course offers a balanced focus on composition, public speaking and literature. Students learn about purpose and audience analysis through speech preparation and by writing a persuasive, critical, and creative multi-paragraph composition. Through the study of various genres of literature, students improve their reading rate and comprehension and develop the skills to determine the author's intent and theme.

English III - English/Language Arts III (11th-12th grade)

The English/Language Arts III course continues to develop students' writing skills, emphasizing clear, logical writing patterns, word choice, and usage, as students write essays and begin to learn the techniques of writing research papers. Students continue to read works of literature, which often form the backbone of the writing assignments.

English IV -English/Language Arts IV (11th – 12th grade)

The English/Language Arts IV course blends composition and literature into a cohesive whole as students write critical and comparative analyses of selected literature, continuing to develop their language arts skills. Typically, students primarily write multi-paragraph essays, but they may also write one or more major research papers.

Mathematics

Informal Mathematics

The Informal Mathematics courses emphasizes the teaching of mathematics as problem solving, communication, and reasoning, and highlight the connections among mathematical topics and between mathematics and other disciplines. These courses approach the teaching of general math, pre-algebra, and pre-geometry topics by applying numbers, and algebraic and geometric concepts and relationships to real world problems.

Plane Geometry

The Informal Geometry course emphasizes a practical approach to the study of geometry and deemphasizes an abstract, formal approach. Topics typically include properties of and work with plane and solid figures; inductive methods of reasoning and use of logic; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles.

Consumer Math

Consumer Math courses reinforce general math topics (such as arithmetic using rational numbers, measurement, ratio and proportion, and basic statistics) and apply these skills to consumer problems and situations. Applications typically include budgeting, taxation, credit, banking services, insurance, buying and selling products and services, home and/or car ownership and rental, managing personal income and investment.

General Math

The General Math course reinforces and expands students' foundational math skills, such as arithmetic operations using rational numbers; area, perimeter, and volume of geometric figures, congruence and similarity, angle relationships, the Pythagorean theorem, the rectangular coordinate system, sets and logic, ratio and proportion, estimation, formulas, solving and graphing simple equations and inequalities.

Pre-Algebra

The Pre-Algebra courses increases students' foundational math skills and prepare them for Algebra I by covering a variety of topics, such as properties of rational numbers (i.e., number theory), ratio, proportion, estimation, exponents and radicals, the rectangular coordinate system, sets and logic, formulas, and solving first-degree equations and inequalities.

Science

Integrated Science

The specific content of the Integrated Science course varies, but it draws upon the principles of several scientific specialties—earth science, physical science, biology, chemistry, and physics—and organizes the material around thematic units. Common themes covered include systems, models, energy, patterns, change, and constancy. This course uses appropriate aspects from each specialty to investigate applications of the theme.

Unified Science

The Unified Science course combines more than one branch of science into a cohesive study or may integrate science with another discipline. General scientific concepts are explored, as are the principles underlying the scientific method and experimentation techniques.

Social Studies

U.S. History

U.S. History—The comprehensive course provides students with an overview of the history of the United States, examining time periods from discovery or colonialism through World War II or after. Course content may include a history of the North American peoples before European settlement.

U.S. Government

U.S. Government—The comprehensive course provides an overview of the structure and functions of the U.S. government and political institutions and examines constitutional principles, the concepts of rights and responsibilities, the role of political parties and interest groups, and the importance of civic participation in the democratic process. This course examines the structure and function of state and local governments.

Contemporary U.S. Issues

The contemporary U.S. Issues course studies the political, economic, and social issues facing the United States. This course focuses on current issues and examines selected issues that span throughout the 20th century to the present.

World Geography

The World Geography course provides students with an overview of world geography, but may vary widely in the topics they cover. Topics typically include the physical environment; the political landscape; the relationship between people and the land; economic production and development; and the movement of people, goods, and ideas.

Life Skills

Life Skills (Life Skills English, Math, Science and Social Studies)

Life Skills courses provide students with information about a wide range of subjects to assist them in becoming wise consumers and productive adults. These courses often emphasize such topics as goal-setting, decision-making, and setting priorities; money and time management; relationships; and the development of the self. Practical exercises regarding selecting and furnishing houses, meeting transportation needs, shopping/preparing food, and selecting clothing/building a wardrobe for the season are often integral to these classes. Additional topics may be covered including; banking, insurance, taxation, and consumer protection.

Community Experience

The Community Experience course is a transition class designed to bridge students from school to work in the local community. Course assignments and activities will include: interest inventories for student job placement, various job shadow experiences, resume creation, participation in employee social skill lessons, scheduling transportation, and demonstration of appropriate work ethics at job placement(s).

Physical Education/Health

Adapted Physical Education

These courses provide physical education activities (sports, fitness, and conditioning) adapted for students with special needs.

Health Education

Topics covered within Health Education course may vary widely, but typically include personal health (nutrition, mental health and stress management, drug/alcohol abuse prevention, disease prevention, and first aid) and consumer health issues. The courses may also include studies of environmental health, personal development, and/or community resources.

Electives

Corrective Reading – Decoding

The Corrective Reading course offers diagnostic and remedial activities designed to correct reading difficulties and habits that interfere with students' progress in developing reading skills and understandings. Activities are chosen to increase or improve students' reading comprehension, reading technique, and general literacy skills.

Strategic Reading – Comprehension

The Strategic Reading course is intended to improve a student's vocabulary, critical-thinking and analysis skills, or reading rate and comprehension level. Although this course typically emphasizes works of fiction, it may also include works of nonfiction (including textbooks). Strategic Reading courses often have a time-management focus, offering strategies for note-taking or for understanding and evaluating the important points of a text.

Personal Finance

The Consumer Economics/Personal Finance course provides students with an understanding of the concepts and principles involved in managing one's personal finances. Topics may include savings and investing, credit, insurance, taxes and social security, spending patterns and budget planning, contracts, and consumer protection. This course may also provide an overview of the American economy.

Introduction to Computers

The Introduction to Computer course introduces students to computers and peripheral devices, the functions and uses of computers, the language used in the computer industry, possible applications of computers, and occupations related to computer hardware and software. This course typically explores legal and ethical issues associated with computer use, as well as how computers influence modern society. Students may also be required to perform some computer operations.

Industrial Arts

The Industrial Arts course exposes students to the tools and machines that they may encounter in manufacturing-related occupations and enables them to develop the skills they need to use these tools in various applications. Course topics typically include (but are not limited to) drawing and planning, electricity, graphic arts, woodwork, leatherwork, metalwork, plastics, and power technology. This course typically covers general safety and career exploration as well.

Family Living

The Family Living course emphasizes building and maintaining healthy interpersonal relationships among family members and other members of society. This course often emphasizes (but is not limited to) topics such as social/dating practices, the function of the family unit, personal hygiene, food preparation, sewing, self-development, personal awareness, and preparation for the responsibilities of a family member.

Life Long Learning

The purpose of this course is to increase opportunities for life long learning skills. It will be geared towards those students who need exposure and task-oriented practice. The classroom will be the entire community. It will be a two-fold curriculum, which offers skills-based tasks with social/emotional learning. It will include conversational skills, decision-making skills, goal setting, and handling anxiety that goes along with each skill-based task.

Study Skills

The Study Skills course prepares students for success in high school and/or for postsecondary education. Course topics may vary according to the students' needs but typically include analysis of organizational strategies, time-management, reading improvement skills, annotation and note-taking, outlining, library and research skills; listening; vocabulary development; and test-taking skills. The course may also include exercises designed to generate organized, logical thinking and writing.

Tutorial

The Tutorial course provides students with the assistance they need to successfully complete their coursework in the least-restrictive environment and helps students build upon deficit-area skills as outlined in their respective IEPs. It offers students an opportunity to plan and achieve transition goals.

Career Exploration

The Career Exploration course helps students identify and evaluate personal goals, priorities, aptitudes, and interests with the goal of helping them make informed decisions about their careers. This course exposes students to various sources of information on career and training options and may also assist them in developing job search and employability skills.

Employability Skills

The Employability Skills course helps students match their interests and aptitudes to career options with a focus on using employment information effectively, acquiring and improving job-seeking and interview skills, composing job applications and resumes, and learning the skills needed to remain in and advance within the workplace. Course content may also include consumer education and personal money management topics.

Secondary Transition Experience Program (STEP)

STEP is a program approved by ISBE and provided by the DHS Division of Rehabilitation Services (DHS/DRS) that helps schools provide mandated transition services. These courses provide a built-in linkage to DHS/DRS, an agency that can assist students with disabilities with their post-school employment and career development goals. The program provides work experiences that coincide with post-secondary employment goals that could include paid employment or internships. This allows students to gain school credit towards graduation, while gaining hands-on work experience, with as-needed support services.

The program also promotes the provision of the following Pre-Employment Transition Services (per WIOA- the Workforce Innovation and Improvement Act):

- a. Job Exploration Counseling
- b. Workplace Readiness Training
- c. Counseling on Post-Secondary Education
- d. Instruction in Self-Advocacy
- e. Work-Based Learning Experiences

Participation in the Secondary Transition Program may include classroom activities as well, involving further study of the Pre-Employment Transition Services topics.

TECHNOLOGY EDUCATION CURRICULUM

Course	Semester(s)	Credit(s)	Prerequisite(s)
Wood/Metal Processing	1	1	Grade 9-12
Cabinetmaking & Millwork I (block)	1	2	Grade 9-12
Cabinetmaking & Millwork II (block)	1	2	Grade 9-12, Cabinet I
Automotive Technology I	1	1	Grade 10–12
Automotive Technology II	1	1	Grade 10–12, Auto Tech I
Welding Technology I	1	1	Grade 11-12, Metals
Welding Technology II	1	1	Grade 11-12, Welding I
Audio / Video Production I	1	1	Grade 9-12
Building Trades I (block)	1	2	Grade 10-12, Cabinet I
Building Trades II (block)	1	2	Grade 11-12, Building Trades I
Machine Tool Technology I (block)	1	2	Grade 10-12, Metals
Machine Tool Technology II (block)	1	2	Grades 10-12, Machine I
CNC 1	1	2	Grades 11-12, Metals/Woods
CNC 2	1	2	Grades 11-12, CNC 1
Energy/Intro Tech and Engineering	1	1	Grades 9-12
Workplace Experience	2	4	Grade 12

Metal/Wood Processing

Metal and Wood Processing/Production courses include studying the properties of metals, woods, and composites and using these materials to construct usable products. These courses enable students to experience the process of translating an idea into a finished product, with instruction in planning, designing, selecting materials, and using tools and machines.

Cabinetmaking & Millwork I

This course introduces the students to the basic design and fabrication of residential cabinetry and custom furniture. Instruction includes safety practices in using hand tools and power equipment, measurement, species of wood, as well mass production.

Cabinetmaking and Millwork II

This course is a continuation of Cabinetmaking and Millwork I. Students will continue to be made aware of resources, technical processes, industrial applications, and technical impacts of wood manufacturing technology. Emphasis will be given to the work place environment including safety, record keeping, precision measuring, and quality. This course will prepare the student for placement in an entry-level position in a typical custom woodworking shop. Advanced machine operations and mastery of wood working equipment will be implemented.

Automotive Technology I (Small Engines)

This course introduces the students to occupations in the automotive industry. Shop safety, tools, and measurement instruments will be covered. In-depth study will be given to the basic internal combustion engine including the disassembly and reassembly of a 4 stroke Briggs and Stratton V-Twin.

Automotive Technology II (Systems and Maintenance)

This course introduces the students to the auto repair industry. Advanced tools, and measurement instruments will be covered. All basic maintenance procedures will be covered as well as minor repairs. Exploration of basic systems of the auto and work on it will be performed on vehicles in the school shop.

Building Trades I

This course provides learning experiences related to the erection, installation, maintenance, and repair of building structures and related utilities. Instruction will cover tool and shop safety, construction terminology, concrete work, basic wall framing, home electrical system, home plumbing systems, and HVAC systems.

Building Trades II

This course provides job site experience related to the construction of residential and commercial buildings. Students will be at the jobsite periods 5 – 7 using the skills and knowledge gained through Construction Trades I to complete a medium to large-scale construction project. Construction Trades II is a two-semester course. See your counselor for details.

Welding Technology I

This course assists students in gaining the knowledge and developing the basic skills needed to be successful in welding technology. Units of instruction include arc, TIG and MIG welding, metallurgy, cutting metal using arc, plasma, and oxy-gas. In addition, students learn the basics of blueprint reading, precision measuring, layout, and production process planning.

Welding Technology II

This course builds on the skills and concepts introduced in Welding Technology I and provide more in-depth skill development in various types of welding including horizontal, vertical, overhead, and circular techniques. Students also explore the use of robotic and automated production welding.

Audio/Visual Production I

This course is designed to provide students with the skills needed for a career in the technical aspects of radio and television broadcasting. Instruction includes camera operations, basic audio and video editing, sound and lighting techniques, and sound mixing. Students learn the operation, maintenance, and repair of video and DVD recording equipment, video/digital cameras, microphones, computers, lighting/grip equipment, and other production equipment used in the video and audio production of television programs. Students also learn to use, maintain, and repair various types of audio recorders, amplifiers, transmitters, receivers, microphones, and sound mixers to record and broadcast radio programs. The student will be exposed to various aspects of radio such as FCC rules and what goes into a radio production. Students will produce similar projects found on-air, from start to finish. This includes writing scripts, recording, pre-production, production, and post-production, as well as using different sound elements like bed music and sound effects.

Machine Tool Technology / Machinist I

This course introduces students to the basic skills and machines needed in precision metal work. Students gain machining skills while working with lathes, milling machines, surface grinders, drill presses, and other equipment. In addition, students learn the basics of blueprint reading, precision measuring, layout, and machining process planning. Students will go more into depth on the CNC machine from Precision Metals Production I.

Machine Tool Technology / Machinist II

This course provides more in-depth skill development in various types of precision tool operation, especially using mills, lathes, and surface grinders to perform machining tasks. Power cutoff saws and power band saws are also covered. Students also explore the use of computer & numerical controlled machining. Students will focus heavily on using the CNC machine.

CNC 1

This course will introduce students to introductory skills on CNC machines. Topics include 3D modeling, tooling selection and identification, 2D tool path generation, post processing, g-code, fixturing of material, cycle times and CNC startup and shutdown procedures. Students will progress through carried projects on several different types of CNC machines to gain a better understanding of computer aided manufacturing across many different materials. The class will be offered first semester and be blocked for two consecutive class periods.

CNC 2

This course will develop advanced skills on CNC machines. Topics include 3D modeling, advanced tooling selection and identification, post processing, 3D tool path generation and terminology, advanced fixturing for multi-sided machining process, and student developed projects. Students will progress through varied projects on several different types of CNC machines to gain a better understanding of computer aided manufacturing across many different materials.

Energy/Intro Tech and Engineering

Introduction to Technology & Engineering is comprised of the following areas: Production, Transportation, Communication, Energy Utilization and Engineering Design but is not limited to these areas only. This course will cover the resources, technical processes, industrial applications, technological impact and occupations encompassed by that system.

Workplace Experience

Workplace Experience is a capstone course designed to assist students in the development of effective skills and attitudes through practical, advanced instruction in school and on the job through cooperative education. Students are released from school for their paid cooperative education work experience and participate in 200 minutes per week of related classroom instruction. Classroom instruction focuses on providing students with job survival skills and career exploration skills related to the job and improving students' abilities to interact positively with others. For skills related to the job, refer to the skill development course sequences, the task list or related occupational skill standards of the desired occupational program. The course content includes the following broad areas of emphasis: further career education opportunities, planning for the future, job-seeking skills, personal development, human relationships, legal protection and responsibilities, economics and the job, organizations, and job termination. A qualified career and technical education coordinator is responsible for supervision. Written training agreements and individual student training plans are developed and agreed upon by the employer, student and coordinator. The coordinator, student, and employer assume compliance with federal, state, and local laws and regulations.

VISUAL AND PERFORMING ARTS CURRICULUM

Course	Semester(s)	Credit	Prerequisite(s)
Drawing I	1	1	Grades 9-12
Painting I	1	1	Grades 9-12
Sculpture I	1	1	Grades 9-12
Ceramics I	1	1	Grades 9-12
Graphic Design I	1	1	Grade 11-12
Graphic Design II	1	1	Grade 11-12
Drawing II	1	1	Drawing I
Painting II	1	1	Painting I
Ceramics II	1	1	Ceramics I
Sculpture II	1	1	Sculpture I
Art Portfolio	1	1	Grades 11–12 & level I & II of any art class
Fall Symphonic Band (Non Marchers)	1	1	Grades 9-12
Marching Band/Concert Ensemble	1	1	Grades 9-12
Honors & Concert Band	1	1	Grades 9-12
Choir	2	2	Grades 9-12

Visual Arts

Drawing I

Drawing I is a beginner class that focuses on drawing while using a variety of media such as colored pencil, charcoal, pen-and-ink, chalk pastel, and so on. The students will learn and explore a variety of styles and techniques that will develop their skills and understanding. Drawing I is a prerequisite for Drawing II.

Painting I

Painting I is a beginner class that focuses on painting while using watercolor, acrylic and mixed media. Students will learn and explore a variety of styles and techniques that will develop their skills and understanding. Painting I is a prerequisite for Painting II.

Sculpture I

Sculpture I is a beginner course focusing on creating three-dimensional works of art. Students work with several types of media such as wood, wire, plaster, textiles, etc. Students will begin to create projects using a concept. Sculpture I is a prerequisite for Sculpture II.

Ceramics I

Ceramics I is a beginner course focusing on creating three-dimensional works out of clay. Particular attention is paid to the characteristics of the raw materials, their transformation under heat, and the various methods used to create and finish objects. Students will work with hand-building techniques and throwing on the pottery wheel. Ceramics I is a prerequisite for Ceramics II.

Graphic Design I

Graphic Design courses emphasize design elements and principles in the purposeful arrangement of images and text to communicate a message. They focus on creating art products such as advertisements, product designs, and identity symbols. Graphic Design courses may investigate the computer's influence on, and role in creating contemporary designs and provide a cultural and historical study of master design works of different periods and styles.

Graphic Design II

Graphic Design II courses relate and apply creative expression and design principles to the field of advertising and commercial art. The courses offer practical experiences in generating original ideas, executing layouts, and preparing artwork for reproduction. Graphic Design II courses may also provide a historical and contemporary view of art as students learn to critique work.

Drawing II

Drawing II is designed to allow students to concentrate on drawing in a medium of their choice. Students will explore their own style and strengthen their skills. This is a one semester course open to students that have completed Drawing I

Painting II

Painting II is designed to allow students to concentrate on painting in a medium of their choice. Students will explore their own style and strengthen their skills. This is a one semester course open to students that have completed Painting I.

Ceramics II

Ceramics II is an advanced level semester course. Student's will have a concentration in advanced wheel throwing and advanced hand building methods. The student will investigate more intricate methods of surface decoration and glazing. This is a one semester course is open to students that have completed Ceramics I.

Sculpture II

Sculpture II is an advanced level semester course that is designed for students to learn more about advanced sculpture materials such as glass and metals. This is a one semester course open to students that have completed Sculpture I.

Art Portfolio

During this course students will create a portfolio of work (collection of personal artworks) in their area of interest of material and concept. Students will continue to advance and develop new art skills and techniques. Students will also have opportunities to observe and learn in an internship relationship with members of the community collaborating with them about their artwork. This is a one semester course open to 11 and 12th graders who have completed level 1 and 2 of any art class

Music**Honors & Concert Band**

Courses in Honors/Concert Band are designed to promote students' technique for playing brass, woodwind, and percussion instruments and cover a variety of band literature styles, primarily for concert performances.

Marching Band

Courses in Marching Band are intended to develop students' technique for playing brass, woodwind, and percussion instruments and cover appropriate band literature styles, primarily for marching performances.

Symphonic Band

Courses in Symphonic Band are designed to promote students' technique for playing brass, woodwind, and percussion instruments and cover a variety of band literature styles for students choosing not to participate in marching band, primarily for concert band performances.

Choir

Choir courses provide the opportunity to sing a variety of choral literature styles for high school aged voices and are designed to develop vocal techniques and the ability to sing parts, while strengthening overall musicianship.

Guidelines for Enrolling and Earning Credits as a Dual Student through Black Hawk College: (Subject to change per BHC requirements) **UPDATED 10/2022**

COURSE	GRADE	DUAL ENROLLMENT	COST	PRE-REC	OTHER
ENGLISH 101/102	12	GHS English:1 English credit a semester BHC:3 credits a semester for 101/102	\$25.00/credit Per semester Plus books	ACT: 22 or higher on English and Reading SAT: 480 or higher on Rdg/Wrt ACCUPLACER: 5 on Writing and 255 on Reading	Must be a Dual Student. Summer Reading requirement
WELDING 1 WELDING 2	11/12	GHS: 1 credit a semester BHC: 4 credits a semester GHS: 1 credit a semester BHC: 2 credits a semester	\$25.00/credit Per semester	Metals Welding 1	Must be a Dual Student.
NA 100 (CNA) Hammond Henry Hospital	12	GHS: 2 credits a semester BHC: 8 credits total	Approximately \$1192.00 plus fees	Background check	Must be a Dual Student. Through HHH, 8 seats available
ON-LINE PSYCH (SPRING ONLY)	11/12	GHS:1 elective credit BHC: 3 credits Does not count in GHS GPA	Approximately \$149.00/credit hour plus books	ACT: 22 or higher on Reading SAT: 390 or Higher Rdg/Wrt ACCUPLACER: 232 or higher	Must be a Dual Student. This course is completed independently of GHS staff. May be a 16 week course.
ON-LINE SPEECH (FALL ONLY)	11/12	GHS:1 elective credit BHC:3 credits Does not count in GHS GPA	Approximately \$149.00/credit hour plus books	No pre-rec	Must be a Dual Student. This course is completed independently of GHS staff. May be a 16 week course.
PRE CALC 112/116	11/12	GHS Math: 1 credit a semester BHC: 4 credits for 112 3 credits for 116	\$25.00/credit Per semester Plus books	Complete Algebra 2 with a B- or higher ACT: 22 or higher on Math SAT: 530 or higher Math ACCUPLACER: 227 or higher	Must be a Dual Student.

CNC Manufacturing

CAREER PATHWAY



HIGH SCHOOL COURSE PLAN

	9th Grade	10th Grade
English	English 9/ English 9 Honors	English 10/ English 10 Honors
Math	Informal Alg 1/Algebra I/Geometry	Algebra 1/Geometry/Algebra 2
Science	Earth Science/Biology/AS Biology	Biology/Environmental/Chemistry/AS Chemistry
Social Studies	Not Required- but have option	US History/AP US History
PE	PE	PE
Elective		
Elective		
Elective	Intro to Woods/Metals (full year)	Machine Tool Tech I and II Blocked Courses
Recommended Work Experiences	Explore Manufacturing Careers through Xello	Interview a Machinist or Shop Supervisor: Job Shadow
	11th Grade	12th Grade
English	English 11/AP Lang/AP Lit	English 12
Math	Algebra II/Pre-Calc/Dual 112/116	Not Required- elective option
Science	Not required- but option to take	Not Required- elective option
Social Studies	Government	Not Required- elective option
PE	PE	PE
Elective		Work Place Experience Full Year
Elective	CNC 1 and CNC 2 Blocked Courses	Work Place Release - On the Job Site
Elective		
Related Clubs/Activities	Robotics Club	
Recommended Work Experiences	Enroll in DOL paid apprenticeship through CNC Manufacturing course.	Work experience through DOL paid apprenticeship.
POST-SECONDARY RECOMMENDATIONS		
Training and/or Certification Options		Immediate Employment Options
BHC CNC Manufacturing Certificate		Springfield Armory
ICC CNC Machining Program		Arconic
McHenry College CNC Certificate		Rock River Arms
		John Deere
		EATON
College or University Options/Majors		Military Options
NIU Engineering Technology Program		Army National Guard 91E Allied Trades Specialist
WIU Engineering Technology Program		US Air Force Aircraft Metals Technology
Bradley Industrial and Manufacturing Technology Program		Marine Corps Basic Machinist

Building Trades

CAREER PATHWAY



HIGH SCHOOL COURSE PLAN

	9th Grade	10th Grade
English	English 9/English 9 Honors	English 10/English 10 Honors
Math	Informal Algebra 1/Algebra I/**Geometry	Algebra 1/**Geometry/Algebra 2
Science	Earth/Biology/AS Biology	Biology/Environmental Science/**Chemistry
Social Studies	Ancient/Western Civ/World History	US History/AP US History
PE	PE	PE
Elective	Student Choice	Student Choice
Elective	Student Choice	Cabinet 1 and Cabinet 2 Blocked Courses
Elective	Intro to Woods/Metals (Full Year)	
Recommended Work Experiences	Explore Manufacturing Careers through Xello	Interview a Building Trade Shop Supervisor: Job Shadow
	11th Grade	12th Grade
English	English 11/AP Lang/AP Lit	English 12/AP Lang/AP Lit/Dual Credit 101/102
Math	Algebra II/Pre-Calc/Dual Credit 112/116	Not Required- elective option
Science	Not Required- elective option	Not Required- elective option
Social Studies	Government-Required 1 semester/AP Govt	Not Required- elective option
PE	PE	PE
Elective	Student Choice	Work Place Experience Full Year
Elective	Building Trades 1 and Building Trades 2 Blocked Courses	Work Place Release - On the Job Site
Elective		
Related Clubs/Activities	Robotics Club	
Recommended Work Experiences	Enroll in DOL paid apprenticeship through Building Trades course.	Work experience through DOL paid apprenticeship.
POST-SECONDARY RECOMMENDATIONS		
Training and/or Certification Options		Immediate Employment Options
Carpenters Local 166 Apprenticeship		Hazelwood Homes
Local 25 Plumbers and Pipefitters		Bob Johnson Construction
Local 145 IBEW		Werner Restoration
Local 309 Laborer's		Arconic
Local 111 Ironworkers		Rock Island Arsenal
College or University Options/Majors		Military Options
UW Platteville Project Management Program		Carpentry and Masonry Specialist - Army
University of Illinois Civil Engineering		Builder - Navy
WIU Construction and Facilities Management		MOS OCC Field 13 - Construction - Marines

