

GENESEO



HIGH SCHOOL

COURSE PLANNING GUIDE  
2025 - 2026

# 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	<b>English</b>	
4 semesters	<b>Science</b>	
6 semesters	<b>Mathematics</b>	
4 semesters	<b>Social Studies</b> --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	<b>Music, Art, Foreign Language, Vocational Education</b> (one full year or any combination of two semesters will satisfy the requirement).	
1 semester	<b>Health</b>	
7 semesters	<b>Physical Education</b>	
1 or 2 semesters	<b>Consumer Education</b> (see selections below):	
	Business Management /Entrepreneurship	Economics
	Workplace Experience	Interior Design
	AP Microeconomics	AP Macroeconomics
	Managing Lifestyles	Consumer Economics
	Agriculture Business Management	

#### 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 Pre-AP  
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  
\*Speech  
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  
**AP Environmental**  
**Foundations in Biology**  
Biology  
Biology Advanced Studies  
PLTW Intro to Engineering Design  
PLTW Principles of Engineering  
Forensic Science  
Anatomy and Physiology  
AP Biology  
Chemistry  
Chemistry Advanced Studies  
AP Chemistry  
Physics  
AP Physics I  
**Animal Science**  
Basic Horticulture  
**Veterinary Science**

### 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  
\*Psychology

### 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  
**Workplace Experience**  
AP Microeconomics  
AP Macroeconomics

### FAMILY AND CONSUMER SCIENCES

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

### AGRICULTURE

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

### TECHNOLOGY

**Wood/Metal Processing**  
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  
**Art 100 Art Appreciation**

### PERFORMING ARTS

Choir  
**Marching Band/Concert Ensemble**  
**Symphonic Band/ Concert Ensemble**  
**AP Music Theory I**  
**AP Music Theory II**

### PHYSICAL EDUCATION/HEALTH/ DRIVER EDUCATION

**Physical Education**  
**Unified Physical Education**  
**Personal Fitness**  
**Wellness**  
**Advanced Wellness**  
Health  
Driver Education Classroom /Physical Education  
Driver Education Laboratory (Behind the Wheel)

### 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  
**Agriculture Business Management**

### 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)**  
**Unified Physical Education**  
Health Education  
**Strategic Reading**  
**Corrective Reading**  
Introduction to Computers  
**Industrial Arts**  
**Family Living**  
**Life Long Learning**  
Study Skills<sup>1</sup>  
**Tutorial**  
**Career Exploration**  
**Employability Skills**  
**Workplace Experience (STEP)**

---

<sup>1</sup> \*These courses are available for both high school credit and Black Hawk College credit. Classes shown in bold are year long.

**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 COURSE CHANGE**

The master schedule is created based on student requests in the Spring. Once the master schedule is created, changes in course progression are very limited. In an effort to eliminate the need for course changes, counselors will meet with students during class meetings, in small groups and/or individual bases in early Spring to go over course selections. 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 Workplace Experience or STEP program.

-IEP modification/504 modifications/RTI modifications

**\*\*Student schedules will be available for viewing for one week in May. Class times and teachers may change, but students can see their enrolled courses. Students can request schedule changes until the last day of school. The following criteria must be met:**

**1- Schedule changes must be initiated by the student.**

**2- Students will be required to meet in person with their counselor to determine if a change is appropriate.**

**3- If a schedule change is a possibility, parent signature will be required on Course Change Form.**

**The following reasons may be valid when considering a course change request:**

**Changing from an Honors or AP course to a regular course. Example, AP Statistics to Statistics.**

**Changing/adding core courses for the purpose of college/university admission - proof required**

**Prerequisite not met**

**Credit for the course has already been earned**

**Other clerical errors**

**No changes will be made over summer. Students can request course changes the first 3 days of each semester, but they must meet the same valid reasons listed above. Note: Changing or dropping a course for the purpose of having an early release study hall is not a valid reason.**

**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](http://www.fairtest.org)

SAMPLE US COLLEGES AND UNIVERSITIES	CORE ACADEMIC RECOMMENDATIONS	GHS GRADUATION REQUIREMENTS
<b>MAJOR PUBLIC UNIVERSITIES AND LIBERAL ARTS COLLEGES, including:</b> 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
<b>MOST ILLINOIS PUBLIC UNIVERSITIES, MID-SIZE UNIVERSITIES, AND SMALL PRIVATE SCHOOLS, including:</b> 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
<b>COMMUNITY COLLEGES</b> 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
<b>TRADE &amp; TECHNICAL SCHOOLS</b> 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, Algebra II 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 WORKSHEET

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

<b>FRESHMAN YEAR</b>		<b>SOPHOMORE YEAR</b>	
<b>1st Semester</b>	<b>2nd Semester</b>	<b>1st Semester</b>	<b>2nd Semester</b>
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

<b>JUNIOR YEAR</b>		<b>SENIOR YEAR</b>	
<b>1st Semester</b>	<b>2nd Semester</b>	<b>1st Semester</b>	<b>2nd Semester</b>
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	Grades 9
Agriculture Business Management	2	2	Grades 11-12, Intro to Ag. recommended
Biological Science Applications in Ag - Plant	1	1	Grades 10-12, Intro to Ag recommended
Biological Science Applications in Ag – Animal	1	1	Grades 10-12, Intro to Ag recommended
Animal Science	2	2	Grades 10-12, Intro to Ag recommended
Basic Horticulture Science (Fall)	1	1	Grades 10-12, Intro to Ag recommended
Greenhouse Production & Floral Design/Landscape	1	1	Grades 10-12 (Spring), Intro to Ag recommended
Veterinary Science	2	2	Grades 11-12, Animal Science

### Introduction to Agriculture Industry

What do you want to do after high school? Once you graduate, how will you use the science, math, reading, and writing you learned? The agricultural industry may be the answer. Agricultural careers require a wide array of skills from food tasting to construction. In the Introduction to Agriculture and Natural Resources (AFNR) course, you will develop foundational skills leading you to a rewarding career in agricultural science. Spend your school year with hands-on experiences using plants, animals, natural resources, and agricultural tools. Burrow down in a soil pit to discover what is beneath your feet. Investigate the mystery of plant deaths in a greenhouse. Research the quality of water in your community and school. Determine how food should be safely stored and preserved to keep you healthy. Plan, design and construct a habitat for local wildlife. These are just a few of many activities you will complete in Intro to AFNR. Your days in the classroom will involve communication with peers while exploring real world issues in agriculture. You will personalize your learning by exploring careers interesting to you. Throughout the course, you will plan experiences outside of school, identify potential awards, and seek out post-secondary schools and scholarships meeting your future career goals. The Intro to AFNR course enables you to experience all fields of agricultural science and natural resources. Upon completion of the course, you will be prepared to pursue a specific agricultural career pathway using a sequence of courses of your choosing. Whether you are interested in science, communications, business, or engineering and mechanics, there is an agricultural pathway awaiting your future.

**Career Field:** Natural Resources Agriculture

### 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. There is an option to earn Black Hawk College credits towards certification. When taken as Dual Credit, this course can earn a weighted GPA. Fulfills Consumer Education requirement.

**Career Field:** Natural Resources Agriculture, Business Management & Technology



### **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.

**Career Field:** Natural Resources Agriculture

### **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.

**Career Field:** Natural Resources Agriculture

### **Animal Science**

Do you enjoy working with animals? Would you like to know more about animal behavior, anatomy, and health? Gain foundational knowledge and skills through the Principles of Agricultural Science – Animal (ASA) course to prepare for a career working with animals. Spend the year investigating how animals and humans are dependent upon each other. Investigate how animals were domesticated by humans. Evaluate the management practices used by humans to keep animals safe and healthy. Design an animal facility for your favorite species of animal and build a model. Develop an animal care plan and perform routine healthcare practices. Brainstorm a business plan related to animals. Throughout the year, you will complete all of this and much more through the ASA course. In addition to animal science, develop the necessary technical communication skills and learn the common mathematics functions used in the animal industry and in taking care of personal companion animals. During class, expand your portfolio of career exploration and leadership development opportunities discovered along the way. Take part in career exploration and leadership development experiences outside of school, apply for awards, and seek out post-secondary opportunities and scholarships related to your interest in animals. Investigate the fascinating and multifaceted animal industry and consider what opportunities lie there for you!

**Career Field:** Natural Resources Agriculture

### **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. There is an option to earn Black Hawk College credits towards certification. When taken as Dual Credit, this course can earn a weighted GPA.

**Career Field:** Natural Resources Agriculture

### **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. When taken as Dual Credit, this course can earn a weighted GPA. **Career Field:** Natural Resources Agriculture



**Veterinary Science**

This course will develop students' understanding of the small and companion animal industry, animal anatomy and physiology, animal ethics and welfare issues, animal health, veterinary medicine, veterinary office practices, and animal services to humans. Topics to be discussed include veterinary terminology, anatomy and physiology, pathology, genetics, handling and restraint, first-aid and physical examinations along with common surgical skills. Career exploration will focus on veterinarians, veterinary lab technicians, office lab assistants, small animal production, research lab assistants, and animal nutrition lab technicians. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration, and reinforcement of academic concepts.

**Career Field:** Natural Resources Agriculture

## BUSINESS AND TECHNOLOGY CURRICULUM

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

**Career Field:** Business Management & Technology

### 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.

**Career Field:** Business Management & Technology

### 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 skills 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.

**Career Field:** Business Management & Technology

### 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.

**Career Field:** Business Management & Technology

### **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.

**Career Field:** Business Management & Technology

### **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.

**Career Field:** Business Management & Technology

### **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.

**Career Field:** Business Management & Technology

### **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.

**Career Field:** Business Management & Technology

### **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.

**Career Field:** Business Management & Technology

## CONSUMER ED CURRICULUM\*

\*These courses will meet the Consumer Ed requirement for Graduation

Course	Semester(s)	Credit	Prerequisite(s)
Business Management	1	1	Grades 10-12
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 9-12
Agriculture Business Management	2	2	Grades 11-12, Intro to Ag. recommended

### 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.

**Career Field:** Business Management & Technology

### Economics

Economics courses provide students with an overview of economics with primary emphasis on economic thinking, comparative economic systems, supply, demand and market forces. This course also covers consumer economics including topics such as budgeting, insurance and credit. This course fulfills the consumer education requirement and is a junior senior elective.

**Career Field:** Business Management & Technology

### 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.

**Career Field:** Business Management & Technology

### 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. **Career Field:** Industrial and Engineering Technology

### **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.

**Career Field:** Business Management & Technology

### **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.

**Career Field:** Business Management & Technology

### **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. **The course includes theory and laboratory experiences in the following content areas: Nutrition and culinary arts; interior design; financial responsibilities; family, career, and community leadership development; resource management; human development and life-long learning; textile sewing, care, and repair, and interpersonal relationships and life management skills.**

**Career Field:** Human Services

### **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.

**Career Field:** Business Management & Technology

### **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. There is an option to earn Black Hawk College credits towards certification. When taken as Dual Credit, this course can earn a weighted GPA. Fulfills Consumer Education requirement.

**Career Field:** Natural Resources Agriculture, Business Management & Technology

## 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 Pre-AP 10	2	2	Grade 10
English 11	2	2	Grade 11 <del>or 12</del>
English 12	2	2	Grade 12
College Prep English 12	2	2	Grade 12
AP English Language and Composition	2	2	Grades 11-12
AP English Literature and Composition	2	2	Grades 11-12
English 101 - Composition I (BHC & GHS credit)	1	1	Grade 12
English 102 - Composition II (BHC & GHS credit)	1	1	English 101
Speech (BHC & GHS credit)	1	1	Grades 11-12
Media Literacy	1	1	Grades 11-12
Creative Writing	1	1	Grades 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.

**Career Field:** Arts & Communication

#### 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.

**Career Field:** Arts & Communication

#### English 10

Composition courses build upon previous speaking and 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 informative multi-paragraph essays and compositions. While emphasizing composition, these courses will also incorporate some literature study to expose students to exemplary illustrations of various forms of writing.

**Career Field:** Arts & Communication

#### English Pre-AP 10

Students apply the routines of close observation, critical analysis, and appreciation of author's craft to a range of nonfiction and literary texts. Students develop an awareness of how poets, playwrights, novelists, and writers of nonfiction use language to serve their unique purposes. Students write analyses based on prose fiction, poetry, and arguments, and they synthesize sources to develop an original argument. **English Pre-AP 10** aims to provide students with the skills and knowledge necessary for success in higher-level English courses including AP Lit, AP Lang, and dual credit College English 101/102. This course is calculated on a 0.5 weighted grading scale. Students who drop the course will lose the weighted grade. **Requirements: Close reading and analysis of various texts is required during the summer prior to the course.**

**Career Field:** Arts & Communication

## 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.

**Career Field:** Arts & Communication

## 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, ~~and present on various topics.~~

**Career Field:** Arts & Communication

## 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. Students who earn a 'C' or better in this course for both semesters will earn a portability code on their transcript that places them directly into first year college English courses at 2-year and 4-year public colleges in the state of Illinois.

**Career Field:** Arts & Communication

## AP English Language and Composition

The AP English Language and Composition course aligns to an introductory college-level rhetoric and writing curriculum. AP Lang focuses on the development and revision of evidence-based analytic and argumentative writing, the rhetorical analysis of nonfiction texts, and the decisions writers make as they compose and revise. Students evaluate, synthesize, and cite research to support their arguments. Additionally, they read and analyze rhetorical elements and their effects in nonfiction texts—including images as forms of text—from a range of disciplines and historical periods.

*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.*

**Career Field:** Arts & Communication

## 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.*

**Career Field:** Arts & Communication



**English 101 Composition I (1<sup>st</sup> 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. This course is calculated on a weighted grading scale. Students who drop the course will lose the weighted grade. IAI: C1 900

**Career Field: Arts & Communication**

**English 102 Composition II (2<sup>nd</sup> 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). This course is calculated on a weighted grading scale. Students who drop the course will lose the weighted grade. IAI: C1 901R

**Career Field: Arts & Communication**

**Electives- Elective courses are offered for elective credit only.**

**Speech SPEC 101 (1 semester) 3 BHC credits, 1 GHS elective credit**

The oral communication course combines communication theory with the practice of oral communication skills. The oral communication course: (1) develops awareness of the communication process; (2) provides inventional, organizational, and expressive strategies; (3) promotes understanding of and adaptation to a variety of communication contexts; and (4) emphasizes critical skills in listening, reading, thinking and speaking. IAI: C2 900

**Career Field: Arts & Communication**

**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).

**Career Field: Arts & Communication**

**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 21<sup>st</sup> century careers.

**Career Field: Arts & Communication**

## FAMILY AND CONSUMER SCIENCE CURRICULUM

Course	Semester(s)	Credit(s)	Prerequisite(s)
Family & Cons Science	2	2	Grade 9
Foods I	1	1	Grades 10-12
Foods II	1	1	Foods I or FACS
Interior Design	1	1	Grades 11-12
+Child Development	1	1	Grades 11-12
+Parenting	1	1	Grades 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; **interior design**; **financial responsibilities**; family, career, and community leadership development; resource management; human development and life-long learning; **textile sewing, care, and repair**, and interpersonal relationships and life management skills.

**Career Field: Human Services**

### 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.

**Career Field: Human Services**

### 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; and careers in nutrition and culinary arts.

**Career Field: Human Services**

### Foods II

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, careers in food service industries and **regional and international cuisine**. All of these concepts can be interpreted through laboratory experiences.

**Career Field: Human Services**

**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.

**Career Field:** Industrial and Engineering Technology

**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.

**Career Field:** Human Services

**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. **The course includes theory and laboratory experiences in the following content areas: Nutrition and culinary arts; interior design; financial responsibilities; family, career, and community leadership development; resource management; human development and life-long learning; textile sewing, care, and repair, and interpersonal relationships and life management skills.**

**Career Field:** Human Services

**NA 100 Extended Health Occupations– Certified Nursing Assistant**

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

**Prerequisite:** Grade 12

**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. Weighted GPA.

**Career Field:** Health Services

## 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 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.

**Career Field: Arts & Communication**

### 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).

**Career Field: Arts & Communication**

### 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.

**Career Field: Arts & Communication**

### 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.

**Career Field: Arts & Communication**

## 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**

Internship gives 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. 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 site, and have weekly reflection questions from the Internship Coordinator at Geneseo High School.

**Career Field: All**

### **Independent Study Yearbook**

This course will explore **Walsworth Publish Companies** Online Design. Students will have opportunities to take **and edit** pictures, work on layout and design of pages, select **a** theme, and more as part of creating the historical record **for** that school year. This course takes the place of a study hall, **so a separate study hall will not be assigned to the student**. Any interested student should speak with the yearbook advisors to know more. Independent Study Yearbook is worth one credit per **semester and will** be given a pass/fail grade.

**Career Field: Arts and Communication**

### **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. Students must have reliable transportation for observations.

**Career Field: Human Services**

### **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, Grades 11-12, passing score on the placement exam
Math QL/Stats	2	2	Algebra II and Grade 12, Informal Algebra II with a Teacher recommendation
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

\*Teachers may make individual recommendations that differ from this chart.

## Algebra I

The Algebra I course is aligned to the Illinois Common Core State 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.

**Career Field:** Industrial and Engineering Technology

## Informal Algebra 1

The Informal Algebra 1 course is aligned to the Illinois Common Core State Standards. **We begin by reviewing Pre-Algebra concepts in order to build a solid foundation for Algebra.** 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.

**Career Field:** Industrial and Engineering Technology

## Geometry

The Geometry course is aligned to the Illinois Common Core State Standards. The course includes an in-depth analysis of plane, solid, and coordinate geometry as they relate to both 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.

**Career Field:** Industrial and Engineering Technology

## Informal Geometry

The Informal Geometry course is aligned to the Illinois Common Core State Standards. The course includes an analysis of plane, solid, and coordinate geometry as they relate to both 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.

**Career Field:** Industrial and Engineering Technology

## **Algebra II**

The Algebra II course is aligned to the Illinois Common Core State 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 quadratic equations, operations with rational and irrational expressions, and factoring rational expressions. The course also includes explorations of polynomial, exponential, logarithmic, and inverse functions (as well as the graphing of these functions). It also covers sequences and series, some statistics topics, and trigonometric concepts with a focus on right triangles.

**Career Field:** Industrial and Engineering Technology

## **Informal Algebra II**

The Informal Algebra II course is aligned to the Illinois Common Core State Standards. The course builds on topics presented in Informal 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, and factoring rational expressions. This course also includes explorations of polynomial, exponential, logarithmic, and inverse functions (including the graphing of polynomial and exponential functions). It also covers sequences and series and some statistics topics.

**Career Field:** Industrial and Engineering Technology

## **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, and limits and continuity.

**Career Field:** Industrial and Engineering Technology

## **Pre-Calculus Math 112**

Prerequisite: Qualifying SAT/ACT score or ALEKS score & Grade 11-12 **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, conics and sequences. This course is calculated on a weighted grading scale. Students who drop the course will lose the weighted grade.

**Career Field:** Industrial and Engineering Technology

## **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. This course is calculated on a weighted grading scale. Students who drop the course will lose the weighted grade.

**Career Field:** Industrial and Engineering Technology

## **Math QL/Stats (Transitional Math)**

This course is a review of essential skills and concepts from Pre-Algebra, Algebra, Geometry and Algebra II. Students must have successfully completed math courses through Algebra II or Informal Algebra II (with a teacher recommendation) as a prerequisite for this course. The course includes a review of such topics as properties and operations of real numbers, probability, graphing and solving linear equations, polynomials (including quadratics), exponentials, logarithms, radicals, rational functions and career exploration. This course, completed successfully over the entire year, will place students into a college 100 level course at any Junior College in Illinois and many Universities without taking a placement test.

**Career Field:** Industrial and Engineering Technology



**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.

**Career Field:** Industrial and Engineering Technology

**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.

**Career Field:** Industrial and Engineering Technology

**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.

**Career Field:** Business Management & Technology

**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.

**Career Field:** Business Management & Technology

## PHYSICAL EDUCATION, HEALTH, AND DRIVERS EDUCATION CURRICULUM

Course	Semester(s)	Credits	Prerequisite(s)
Physical Education	2	2	Grades 9-12
Unified Physical Education	2	2	Grades 9-12
Personal Fitness	2	2	Grades 10-12
Wellness	2	2	Grades 10-12
Advanced Wellness	2	2	Grades 10-12, 1 Semester of Wellness or Admin Approval
Health	1	1	Grade 9
Driver's Education with PE	1	1	Grades 9-10
Driver's Education with Wellness	1	1	Grades 9-10
Driver's Education – Laboratory (Behind the Wheel)***	1	0	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, weight room days, and mindfulness days are also included in the program.

**Career Field:** Health Services, Human Services

### Unified Physical Education

Unified PE is an inclusive course in which it will be offered for students who typically do not participate in a general physical education course and/or could benefit from an accommodated physical education environment, AND students who are able to participate in a general physical education course. This class will teach skills to help every student enrolled in the course. Students will have the opportunity to participate in new social environments and model different skills for their peers. Class activities will be adapted or modified to meet the individual needs of every student.

**Career Field:** Human Services, Health Services

### Personal Fitness

Personal Fitness is a course focused on promoting individual health, fitness, and wellness through a variety of activities such as cardio, bodyweight strength training, flexibility exercises, and mindfulness. Students will participate in activities such as running, yoga, circuits, HIIT workouts, and leisure sports such as tennis and disc golf, all designed to build lifelong fitness habits. Aligned with *Shape America* standards, the course emphasizes developing motor skills, applying fitness concepts, and managing stress.

**Career Field:** Human Services, Health Services

### Wellness

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

**Career Field:** Human Services, Health Services

### 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 and Administration approval. Priority given to multi-sport athletes when capacity is reached.*

**Career Field:** Human Services, Health Services

**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.

**Career Field:** Arts and Communication, Human Services, Health Services

**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).

**Career Field:** Industrial & Engineering Technology, Health Services

**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.

**Career Field:** Industrial & Engineering Technology, Health Services

\*\*\*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. Students must have a PE/Wellness or Study Hall in their schedule to take Behind the Wheel during the school day. 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)
<del>Earth Science</del>	<del>2</del>	<del>2</del>	<del>Teacher placement</del>
Environmental Science	2	2	Teacher placement, Grades 10-12
AP Environmental	2	2	One Life Science and one Physical Science, Algebra I Required, Grades 11-12
<del>Foundations in Biology</del>	<del>2</del>	<del>2</del>	<del>Teacher placement</del>
Biology	2	2	Teacher placement
Biology Advanced Studies	2	2	Teacher placement
PLTW Intro to Engineering	2	2	Grades 10-12, Algebra I required
PLTW Principles of Engineering	2	2	Grades 11-12, Must have successfully completed Intro to Engineering Design
Forensic Science	2	2	Grades 11-12
Anatomy & Physiology	2	2	Completion of 2 semesters of Biology & Chemistry (On-level, AS, AP) with B- or higher 1st Semester and by midterm 2nd Semester AND HAP instructor approval
AP Biology	2	2	Biology & Chemistry required, Algebra II required or concurrently
Chemistry	2	2	Geometry required or concurrently, Grades 10-12
Chemistry Advanced Studies	2	2	<del>Biology required</del> Algebra II required or concurrently. B or higher in AS Bio OR Bio, Grades 10-12
AP Chemistry	2	2	Teacher Placement, Chemistry and Algebra II required with a B- or higher in both classes 1 <sup>st</sup> SM and by mid-term 2 <sup>nd</sup> SM.
Physics	2	2	Algebra II required or concurrently, Grades 11-12
AP Physics I	2	2	Algebra II and Chemistry, Grades 11-12
Animal Science	2	2	Intro to Ag Recommended, Grades 10-12
Basic Horticulture	1	1	Intro to Ag Recommended, Grades 10-12
Veterinary Science	2	2	Animal Science, Grades 11-12

### 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 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.

**Career Field:** Industrial and Engineering Technology and Natural Resources Agriculture

**AP Environmental:** AP Environmental Science (APES) is an interdisciplinary course that explores the relationships between natural systems and human impacts. Students study ecosystems, biodiversity, pollution, energy resources, and global environmental challenges. Through scientific analysis and critical thinking, they investigate environmental problems and sustainable solutions. The course emphasizes data analysis, modeling, and informed decision-making to prepare students for the AP exam and promote environmental awareness.

**Career Field:** Industrial and Engineering Technology and Natural Resources Agriculture

### Foundations in Biology

This Biology course is designed to provide practice and learning opportunities in the fundamental concepts of life and life processes. Topics that will be explored include animal behavior, patterns of inheritance, molecular genetics, ecology, cell structure and function, macromolecules, and natural selection. This course prioritizes essential biological topics with a focus on Science and Engineering Practices. An emphasis will be placed on skill-building

(e.g., critical thinking, scientific inquiry, and study habits) to prepare students for success in future science courses and post-secondary success.

**Career Field:** Industrial and Engineering Technology, Natural Resources Agriculture and Health Services

### **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.

**Career Field:** Industrial and Engineering Technology, Natural Resources Agriculture and Health Services

### **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. 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.

**Career Field:** Industrial and Engineering Technology, Natural Resources Agriculture and Health Services

### **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.

**Career Field:** Industrial and Engineering Technology

### **Project Lead The Way - Principles of Engineering**

Students explore how modern engineers help improve the world through diverse engineering fields, such as product design, mechanical design, infrastructure, and sustainability. Students learn and use some of the cutting edge tools engineers use in robotics, 3D modeling, programming, and prototyping.

**Career Field:** Industrial and Engineering Technology

### **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.

**Career Field:** Industrial and Engineering Technology

### **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.**

**Career Field:** Industrial and Engineering Technology and Health Services

### **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.

**Career Field:** Industrial and Engineering Technology, Natural Resources Agriculture and Health Services

### **Chemistry**

General chemistry examines fundamental principles which 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.**

**Career Field:** Industrial and Engineering Technology

### **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.**

**Career Field:** Industrial and Engineering Technology

### **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.**

**Career Field:** Industrial and Engineering Technology

### **Physics**

How do we describe the motion of objects around us, and the forces that act on them? How do cars stay on the steep turns in the Indianapolis 500? How do satellites stay in orbit? Did you know that a shell casing hits the ground the same time the bullet does? These questions and many more are explored in Physics through discussion and a wide variety of labs and projects which include catapult building, construction of a hanging mass powered car, and designing a barrier for car crashes. Physics is an algebra based course that explores the topics of motion, forces, rotational motion, momentum, energy, magnetism, electricity and light. This is an inquiry based course where much of the exploration will be done in the lab and small group settings. Physics is highly recommended for anyone wanting to go into engineering, science, healthcare, math, or computer science as well as many other fields.

**Career Field:** Industrial and Engineering Technology

### **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 lab investigations, discussions, and small group activities as they explore topics such as motion, forces, rotational motion, work, energy, momentum, mechanical waves, and fluids.** 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” 3<sup>rd</sup> Edition, by Knight, Field and Jones. The textbook is not mandatory, but is recommended as an added resource to read during the year.

**Career Field:** Industrial and Engineering Technology

### **Animal Science**

Do you enjoy working with animals? Would you like to know more about animal behavior, anatomy, and health? Gain foundational knowledge and skills through the Principles of Agricultural Science – Animal (ASA) course to prepare for a career working with animals. Spend the year investigating how animals and humans are dependent upon each other. Investigate how animals were domesticated by humans. Evaluate the management practices used by humans to keep animals safe and healthy. Design an animal facility for your favorite species of animal and build a model. Develop an animal care plan and perform routine healthcare practices. Brainstorm a business plan related to animals. Throughout the year, you will complete all of this and much more through the ASA course. In addition to animal science, develop the necessary technical communication skills and learn the common mathematics functions used in the animal industry and in taking care of personal companion animals. During class, expand your portfolio of career exploration and leadership development opportunities discovered along the way. Take part in career exploration and leadership development experiences outside of school, apply for awards, and seek out post-secondary opportunities and scholarships related to your interest in animals. Investigate the fascinating and multifaceted animal industry and consider what opportunities lie there for you!

**Career Field:** Natural Resources Agriculture

### **Veterinary Science**

This course will develop students' understanding of the small and companion animal industry, animal anatomy and physiology, animal ethics and welfare issues, animal health, veterinary medicine, veterinary office practices, and animal services to humans. Topics to be discussed include veterinary terminology, anatomy and physiology, pathology, genetics, handling and restraint, first-aid and physical examinations along with common surgical skills. Career exploration will focus on veterinarians, veterinary lab technicians, office lab assistants, small animal production, research lab assistants, and animal nutrition lab technicians. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration, and reinforcement of academic concepts.

**Career Field:** Natural Resources Agriculture

### **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. When taken as Dual Credit, this course can earn a weighted GPA.

**Career Field:** Natural Resources Agriculture



## 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	Grades 9-12
Western Civilization (World History from 1350)	1	1	Grades 9-12
Contemporary World Issues	1	1	Grades 11-12
U.S. History	2	2	Grade 10
AP U.S. History	2	2	Grades 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	Grades 11-12
Sociology	1	1	Grades 11-12
Humanities	1	1	Grades 11-12, GPA 3.0
Psychology (BHC & GHS credit)	1	1	Grades 11-12

### 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. **After this**, the primary focus of the course looks at the development of western civilization in Europe from 1500 to the present – beginning with the Renaissance and Reformation, through the English and French Revolutions, 19<sup>th</sup> century Industrialization and Nationalism, World War I, **rise of Totalitarianism**, World War II and possibly the Cold War. Finally, this course is **highly recommended** for students to potentially take AP US History as sophomores.

**Career Field: Human Services**

### 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, they are open to Grade 9-12 students who have not taken World History Honors.

**Career Field: Human Services**

### 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, 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, they are open to Grade 9-12 students who have not taken World History Honors.

**Career Field: Human Services**

### 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 **in the 21st 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. **Topics of interest based on current issues could** include, but are not limited to: world geography, world religions, **immigration/migration, population issues/environment, and poverty**. 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.

**Career Field: Human Services**

## **U.S. History**

This U.S. History course explores key events, movements, and figures that shaped the United States from the mid-19th century through the end of World War II into the modern era. Beginning with an in-depth study of the causes and consequences of the Civil War, the course will highlight how social, economic, and political transformations impacted the nation. Students will also explore the Progressive Era's reforms, the United States' role in World War I, and the social upheavals of the 1920s. The Great Depression and the New Deal will serve as key focal points, leading into an examination of World War II and its profound impact on American society and global politics. Students will analyze key social movements as well as political changes in the modern era. Through primary source analysis, class discussions, and projects, students will develop critical thinking skills and a deeper understanding of the forces that shaped the modern United States.

**Career Field:** Human Services

## **AP U.S. History**

A.P. U.S. History is a course that follows the curriculum created by the College Board. It is a college-level course that provides students with the analytical skills and factual knowledge necessary to address critical problems. Students learn to assess historical materials and to weigh the evidence and interpretations presented in historical scholarship.

**The course includes a large amount of writing as students analyze key documents and events in American history. Students will be required to acquire a textbook for this course.**

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** or 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.

**Career Field:** Human Services

## **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.

**Career Field:** Human Services

## **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.

**Career Field:** Human Services

## **Economics**

Economics courses provide students with an overview of economics with primary emphasis on economic thinking, comparative economic systems, supply, demand and market forces. This course also covers consumer economics including topics such as budgeting, insurance and credit. This course fulfills the consumer education requirement and **is a junior senior elective.**

**Career Field:** Business Management & Technology

**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, culture, crime & deviance, race & ethnicity, the family, religion, education, and sport, along with looking at the “why” of people’s actions and behaviors. **Topics may vary each semester. Sociology is open to juniors and seniors.**

**Career Field: Human Services**

**Humanities**

Humanities provides an in-depth exploration of the historical events, literature, and pop culture that shaped the world from the 1950s to the 1990s. Students will examine pivotal historical moments, significant literary works, and influential cultural movements that defined these transformative decades. This class is heavily discussion-based and requires active participation from all students. Class attendance is crucial as in-depth conversations about the texts, historical events, and cultural trends are vital in understanding and synthesizing course material. Students will engage in group debates, reflective writing, and multimedia presentations to deepen their understanding of how history, literature, and pop culture interact. By the end of the course, students will understand the social, political, and cultural dynamics of the second half of the 20th century and will be able to critically analyze how these decades continue to shape the modern world.

**Career Field: Human Services**

**Intro to Psychology (PSYCH 101)**

**3 BHC credits, 1 GHS elective credit**

This course is an introduction to the field of psychology as a scientific discipline and will explore a variety of theoretical perspectives. As a survey course, topics may include the biology of behavior, sensation and perception, learning, memory, cognition, motivation, emotion, life-span development of behavior, personality, abnormal behavior and its therapies, social behavior, sociocultural factors, and individual differences. **Prerequisites:** BHC placement test. IAI: S6 900

**Career Field: Human Services**

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 (offer every year)	1	1
<del># World Geography</del>	<del>1</del>	<del>1</del>
Life Skills (English, Math, Science and Social Studies)	2 (each)	2 (each)
Community Experience	2	2
# Vocational	2	2
# Daily Living	2	2
# Life's Skills	2	2
Unified Physical Education	2	2
Health Education	1	1
<del>Corrective Reading-Delete</del>	<del>2</del>	<del>2</del>
<del>Strategic Reading-Delete</del>	<del>1</del>	<del>1</del>
Personal Finance	1	1
# Introduction to Computers	1	1
# 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

**# indicates 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 (11<sup>th</sup>-12<sup>th</sup> 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 (11<sup>th</sup> – 12<sup>th</sup> 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 course emphasizes the teaching of mathematics as problem solving, communication, and reasoning, and highlights 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 is a comprehensive course that will present the fundamentals of American History. Important people, discoveries, places, and events in the history of this country will be covered. U.S. History is a required course for high school graduation.

### U.S. Government

U.S. Government is a comprehensive course that provides an overview of the structure and functions of the U.S. government. This course examines political institutions, constitutional principles, the concepts of rights and responsibilities, the role of political parties and the importance of civic participation in the democratic process. This course examines the structure and function of national, state and local governments. Students must pass the Federal and Illinois constitution tests.

### 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 – Delete this course, no longer taught at the high school level~~

~~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.

### LS 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).

### LS Vocational

This course aims to equip students with the knowledge and competencies needed for successful employment, fostering independence and self-sufficiency. By engaging in practical experiences and connecting with local industries, students will build confidence and prepare for their future careers.

### LS Daily Living

This course is designed to provide students with essential daily living skills while incorporating social studies concepts that promote understanding of community, culture, and civic responsibility. Tailored for students with diverse learning needs, the curriculum emphasizes practical skills and knowledge within a supportive and engaging environment.

### Life's Skills

This course is designed to equip students with essential life skills necessary for daily living and personal independence while integrating foundational science concepts. Focusing on students with diverse learning needs, the curriculum emphasizes practical skills within a supportive environment that fosters growth and confidence.

## Physical Education/Health

### Unified Physical Education

This course provides physical education activities (sports, fitness, and conditioning) adapted for students with special needs. This course is designed to create an inclusive learning environment that supports students with diverse abilities and needs. Unified Special Education fosters collaboration among students with and without disabilities, promoting mutual respect, understanding, and social interaction.

### 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. It will be a two-fold curriculum, which offers skills-based tasks with social/emotional learning. It will include conversational skills, decision-making skills, and goal setting.

**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).

**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.

## CAREER/TECHNOLOGY EDUCATION CURRICULUM

Course	Semester(s)	Credit(s)	Prerequisite(s)
Wood/Metal Processing	2	2	Grade 9-12
Cabinetmaking & Millwork I ( <del>block</del> )	1	2	Grade 10-12 Metals/Woods
Cabinetmaking & Millwork II ( <del>block</del> )	1	2	Grade 10-12, Cabinet I
Automotive Technology I	2	2	Grade 10-12 Metals/Woods
Automotive Technology II	2	2	Grade 11-12, Auto Tech I
Welding Technology I	1	1	Grade 11-12, Metals/Woods
Welding Technology II	1	1	Grade 11-12, Welding I
Audio / Video Production I	1	1	Grade 9-12
Building Trades I (block)	2	2	Grade 11-12, Metals/Woods
Building Trades II (block)	2	2	Grade 12, Building Trades I
Machine Tool Technology I ( <del>block</del> )	1	2	Grade 10-12, Metals/Woods
Machine Tool Technology II ( <del>block</del> )	1	2	Grades 10-12, Machine I
CNC 1 (block)	1	2	Grades 11-12, Metals/Woods
CNC 2 (block)	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.

**Career Field:** Industrial & Engineering Technology

### **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 as mass production.

**Career Field:** Industrial & Engineering Technology

### **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.

**Career Field:** Industrial & Engineering Technology

### **Automotive Technology I (Small Engines)**

This course introduces the students to occupations in the automotive industry. Shop safety, tools, machines and simple OBD2 diagnostics will be covered. This course will focus mainly on general automotive maintenance, preventative maintenance and light repair and replacement.

**Career Field:** Industrial & Engineering Technology

### **Automotive Technology II (Systems and Maintenance)**

This course builds on the basic fundamental skills and practices learned in Automotive 1. Advanced tools, measurement instruments and more in depth diagnostics will be covered. Exploration of components within the systems of the automobile will be explored and specific jobs performed on vehicles in the school shop. Students will use their expanded knowledge working on custom built vehicles and engine/drivetrain builds.

**Career Field:** Industrial & Engineering Technology

**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, shop safety, construction terminology, concrete work, basic wall, floor and roof framing, home electrical system, home plumbing systems, and HVAC systems. Registered Apprenticeships are available through the Department of Labor within this course.

**Career Field:** Industrial & Engineering Technology

**Building Trades II**

This course provides job site experience related to the construction of residential and commercial buildings. Students will be at the jobsite 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. Registered Apprenticeships are available through the Department of Labor within this course.

**Career Field:** Industrial & Engineering Technology

**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. When taken as Dual Credit, this course can earn a weighted GPA. Registered Apprenticeships are available through the Department of Labor within this course.

**Career Field:** Industrial & Engineering Technology

**Welding Technology II**

This course builds on the skills and concepts introduced in Welding Technology I and provides 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. When taken as Dual Credit, this course can earn a weighted GPA. Registered Apprenticeships are available through the Department of Labor within this course.

**Career Field:** Industrial & Engineering Technology

**Audio/Visual Production I**

This is a foundational course that will provide students with the skills needed to produce near professional level audio and video content. It will enhance a student's ability to communicate using audio and video in any future employment situation or for their own enjoyment. Students will learn the proper techniques for operation of video cameras, sound and lighting equipment. Students also learn how to work with digital audio and video formats while using computer applications for editing audio and video. Students will produce an audio podcast and a short video from start to finish. This includes writing scripts, pre-production, recording and post-production, which will include using sound elements like library music and sound and video effects.

**Career Field:** Arts and Communications

**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.

**Career Field:** Industrial & Engineering Technology

**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.

**Career Field:** Industrial & Engineering Technology

### **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 varied 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. When taken as Dual Credit, this course can earn a weighted GPA. Registered Apprenticeships are available through the Department of Labor within this course.

**Career Field:** Industrial & Engineering Technology

### **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. When taken as Dual Credit, this course can earn a weighted GPA. Registered Apprenticeships are available through the Department of Labor within this course.

**Career Field:** Industrial & Engineering Technology

### **Energy/Intro Tech and Engineering**

Introduction to Technology & Engineering comprises 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.

**Career Field:** Industrial & Engineering Technology

### **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.

**Career Field:** All

## 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	Grades 11-12
Graphic Design II	1	1	Grades 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, see course description
Art 100 Art Appreciation (BHC & GHS credit)	1	1	Grades 11-12
Fall Symphonic Band (Non Marchers)	1	1	Grades 9-12
Marching Band	1	1	Grades 9-12 & previous experience or instructor recommendation
Honors & Concert Band	1	1	Grades 9-12
Choir	2	2	Grades 9-12
AP Music Theory I (Odd years)	1	1	Grades 11-12
AP Music Theory II (Odd years)	1	1	AP Music Theory I

### Visual Arts

#### Drawing I

Drawing I is a beginner level semester class that helps students improve their drawing skills by learning tips and tricks that help draw more accurate proportions as well as learning to draw more 3-dimensional. Students also learn how to use a variety of drawing materials such as pencil, charcoal, and ink while also learning how to think more like an artist by moving themselves through the artistic process and learning how to analyze and talk about artwork. Drawing I is a prerequisite for Drawing II.

**Career Field:** Arts & Communication

#### Painting I

Painting I is a beginner level semester class that focuses on painting while using watercolor and acrylic. Students will learn and explore a variety of styles and techniques that will develop their skills and understanding. Students will learn how to think more like an artist by moving themselves through the artistic process and learning how to analyze and talk about artwork. Painting I is a prerequisite for Painting II.

**Career Field:** Arts & Communication

#### Sculpture I

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

**Career Field:** Arts & Communication

#### Ceramics I

Ceramics I is a beginner level semester course focusing on creating three-dimensional works out of clay. Particular attention is paid to the characteristics of the raw material (clay), its 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.

**Career Field:** Arts & Communication

### **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.

**Career Field:** Arts & Communication

### **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.

**Career Field:** Arts & Communication

### **Drawing II**

Drawing II builds on top of Drawing I skills. This includes exploring color by learning techniques in a variety of drawing mediums such as colored pencil, oil pastel, chalk pastel and marker. The students will analyze artwork, artists and styles of their liking to continue developing their artistic process skills, thinking and planning like an artist, as well as evolving their own style. This is a one semester course open to students that have completed Drawing I.

**Career Field:** Arts & Communication

### **Painting II**

Painting II builds on top of Painting I skills. Students will continue to use watercolor and acrylic but will be introduced to other ways of using paint such as creating mixed media. The students will analyze artwork, artists and styles of their liking to continue developing their artistic process skills, thinking and planning like an artist, as well as evolving their own style. This is a one semester course open to students that have completed Painting I.

**Career Field:** Arts & Communication

### **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 using clay. The student will investigate more intricate methods of surface decoration and glazing. This is a one semester course that is open to students that have completed Ceramics I.

**Career Field:** Arts & Communication

### **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 and more advanced concepts and tools. This is a one semester course open to students that have completed Sculpture I.

**Career Field:** Arts & Communication

### **Art Portfolio**

During this course students will create a portfolio of work in their area of interest (material, technique and concept). Students will continue to advance and develop new art skills and techniques. Students in this course are expected to know and apply the elements and principles of design in their work. Students will be working independently and problem solving through the artistic process. This is a one semester course open to 11 and 12<sup>th</sup> graders who have completed level 1 and 2 of one of the following Ceramics, Drawing, Painting or Sculpture.

**Career Field:** Arts & Communication

### **Art 100 Art Appreciation**

**3 BHC credits, 1 GHS elective credit**

An introduction to the world of fine and applied arts. Students will learn the elements and principles of art and the media and processes used in various artforms. Great works of art are examined as expressions of a culture, a historical period, and as they relate to a common theme. This is a dual credit course through Black Hawk College.

**Career Field:** Arts & Communication

## **Music**

### **Honors & Concert Band**

Honors & Concert Band is a large ensemble that performs formal concert music throughout the school year. Instrumentation includes wind and percussion instruments. Activities involving performance techniques, general musicianship and creative/critical thinking are emphasized during rehearsals. Students will go through a seating audition process in May of each year which will determine which band they are assigned to. These bands perform three to four concerts a year and also participate in the Geneseo HS/MS Concert Band Festival in the spring.

**Career Field:** Arts & Communication

### **Marching Band**

This is a performance ensemble that emphasizes musical excellence and precision in movements through modern marching techniques in parade and field show design. The class will meet during the school day rehearsal. Performances include football games, marching competitions, and parades. There will be extra rehearsals outside of class time, which include evening rehearsals, sectionals and summer band practice. Summer Basics camp is typically the week leading into Father's Day in June. 3 - A - Days Band camp occurs during the IHSA No contact week which is typically the first week of August.

Prerequisite - Previous experience or instructor recommendation

**Career Field:** Arts & Communication

### **Symphonic Band**

Symphonic Band is a large ensemble that performs formal concert music throughout the first semester. The students in this ensemble have selected not to participate in marching band. Instrumentation includes wind and percussion instruments. Activities involving performance techniques, general musicianship and creative/critical thinking are emphasized during rehearsals. This ensemble performs two performances in the first semester: a Fall and Christmas Concert. The students help with hosting the Maple Leaf Marching Band Classic in September.

**Career Field:** Arts & Communication

### **Choir: Freshmen Chorale, Sophomore Concert Choir, Junior/Senior Choir**

This full year course (offered by grade level) is designed for students providing the opportunity to sing a variety of choral literature styles for high school aged voices. These courses are also designed to develop vocal techniques and the ability to sing parts, while strengthening overall musicianship. Choir also focuses on music reading, sight singing, music theory concepts, conducting, and becoming an independent singer. The choirs perform at five school concerts. This course may be repeated.

**Career Field:** Arts & Communication

### **AP Music Theory (Odd years)**

The AP Music Theory course corresponds to one-to-two semesters of typical, introductory college music theory coursework that covers topics such as musicianship, theory, and musical materials and procedures. Musicianship skills, including dictation and listening skills, sight-singing, and harmony, are an important part of the course. Through the course, students develop the ability to recognize, understand, and describe basic materials and processes of tonal music that are heard or presented in a score. Development of aural (listening) skills is a primary objective. Performance is also part of the curriculum through the practice of sight-singing. Students learn basic concepts and terminology by listening to and performing a wide variety of music. Notational skills, speed, and fluency with basic materials are emphasized.

**Career Field:** Arts & Communication



## DUAL CREDIT/TRANSFER CREDIT

(Subject to change per BHC requirements) **UPDATED 10/2024**

COURSE	GRADE	DUAL ENROLLMENT	COST	PRE-REC	OTHER
ENGLISH 101/102	12	GHS: 1 English credit/semester  BHC: 3 credits a semester for 101/102	\$30.00/credit Per semester Plus books	Pass the placement test set forth by Black Hawk College	Must be a Dual Student.  Summer Reading requirement  Weighted GPA
PSYCH (Spring only)	11/12	GHS: 1 elective credit  BHC: 3 credits	Approximately \$30.00/credit hour plus book	Pass the placement test set forth by Black Hawk College	Must be a Dual Student. <del>This course is completed independent of GHS staff. 16-week course.</del> Weighted GPA
ON-LINE SPEECH (Fall only)	11/12	GHS: 1 elective credit  BHC: 3 credits	Approximately \$164.00/credit hour	No pre-rec	Must be a Dual Student. This course is completed independent of GHS staff. 16 week course. Weighted GPA
PRE CALC 112/116	11/12	GHS: : 1 Math credit/semester  BHC: 4 credits for 112 3 credits for 116	\$30.00/credit Per semester	Pass the placement test set forth by Black Hawk College	Must be a Dual Student.  Weighted GPA
ART 100	11/12	GHS: 1 elective credit  BHC: 3 credits	\$30.00/credit Per semester plus fees	No pre-rec	Must be a Dual Student  Weighted GPA

## DUAL CREDIT/VOCATIONAL

(Subject to change per BHC requirements) UPDATED 10/2024

COURSE	GRADE	CREDIT	COST	PRE-REC	OTHER
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	\$30.00/credit Per semester	Metals/Woods  Welding 1	Must be a dual student to earn the weighted GPA
CNC 1 CNC2	11/12	GHS: 2 credits/semester BHC: 17 credit hours	\$30.00/credit Per semester	Metals/Woods	Must be a dual student to earn the weighted GPA
Horticulture	10/12	GHS: 1 credit/semester  BHC: 3 credits/semester	\$30.00/credit Per semester	Intro to Ag. recommended	Must be a dual student to earn the weighted GPA
Ag Business	11/12	GHS: 1 credit/semester  BHC: 3 credits/semester	\$30.00/credit Per semester	Intro to Ag. recommended	Must be a dual student to earn the weighted GPA  Fulfills Consumer Ed Requirement
NA 100 (CNA) Hammond Henry Hospital	12	GHS: 2 credits/semester BHC: 8 credits total	Approximately \$1,192.00 plus fees	Background check	Must be a Dual Student. Through HHH  Weighted GPA

# College and Career Pathways

## What are Pathways?

Career Pathways are similar to majoring in college, except that students may start their learning experience in high school. Every student can benefit by choosing and following a sequence of career related classes designed for their area of interest.

- A Pathway is a sequence of courses within your area of interest.
- A Pathway will connect your career interests from high school to college and/or career.
- A Pathway will help you acquire the depth of knowledge and skill linked with specific postsecondary programs that will lead to a certificate or degree and/or career.

## Why a Pathway?

Finding a career that students are interested and passionate about is important. Learning real world skills in school is one way to accomplish this goal. Pathways will provide students with real world knowledge, experience, and skills to thrive in college classrooms, and qualifications that students will need to be successful postsecondary. Research also notes students and families engaged in a Pathway note they are getting a jump start on their future career.

- Pathway students have opportunities to earn college credit in high school through our Dual Credit as related to their Pathway.
- Pathways students historically exceed expectations. Nearly every state reports a higher graduation rate for Pathways students compared to all students.

## What are College and Career Pathway Endorsements?

College and Career Pathway Endorsements reflect that a student has completed an individualized learning plan through Xello, engaged in a career-focused instructional sequence, participated in work-based learning (Minimum of 60 hours), and demonstrated readiness for college-level reading and math.

The Postsecondary and Workforce Readiness Act (PWR Act) outlines the process for school districts to award College and Career Pathway Endorsements in seven areas: ANFE (Agriculture, Food, and Natural Resources), A&C (Arts and Communications), FBS (Finance and Business Services), HPS (Human and Public Services), HST (Health Sciences and Technology), IT (Information Technology), METT (Manufacturing, Engineering, Technology, and Trades).

Geneseo High School graduates who meet the requirements will earn a seal that recognizes their commitment to this particular pathway and program of study.

## Which Pathway Endorsements are offered at Geneseo High School?

### ***Education (HPS)***

Required Courses:

- Intro to Psychology (PSYCH 101)
- Introduction to Education & Teacher

### ***CNC Manufacturing (METT)***

Required Courses:

- Metal/Wood Processing
- Machine Tool Technology I & Machine Tool Technology II
- CNC 1 & 2
- Workplace Experience

**We are working on additional endorsements in Agriculture and Nursing.**

**What is the Value of Earning a College and Career Pathway Endorsement?**

Opportunities are meant to incentivize student endorsement completion and increase the number of students going into postsecondary programs aligned to their secondary pathways. Throughout Illinois, community colleges and 4-year institutions, alongside their high school counterparts, are creating unique opportunities for students. Here are some examples:

**Golden Apple Scholars of Illinois** is automatically advancing any applicants who have earned or are on track to earn the CCPE.

**Minority Teachers of Illinois Scholarship** now offers funding to any CCPE graduates. Available as early as freshman year for up \$7.5k per year

**Education (HPS) Pathway Endorsement**

Freshman Year	
Sophomore Year	
Junior Year	Introduction to Psychology (PSYCH 101)
Senior Year	Introduction to Education & Teacher

**CNC Manufacturing (METT) Pathway Endorsement**

Freshman Year	Metals/Woods Processing
Sophomore Year	Machine Tool Technology 1 & 2
Junior Year	CNC 1 & 2
Senior Year	Workplace Experience

**Woods Pathway**

Freshman Year	Metals/Woods Processing
Sophomore Year	Cabinetmaking & Millwork I & II
Junior Year	Building Trades I
Senior Year	Workplace Experience or Building Trades II

**Automotive Pathway**

Freshman Year	Metals/Woods Processing
Sophomore Year	Automotive Technology I
Junior Year	Automotive Technology II
Senior Year	Workplace Experience

**Welding Pathway**

Freshman Year	Metals/Woods Processing
Sophomore Year	Machine Tool Technology 1 & 2
Junior Year	Welding Technology I & II
Senior Year	Workplace Experience