

**BUREAU VALLEY  
HIGH SCHOOL  
2023- 2024 CURRICULUM GUIDE**



**“Home of the Storm”  
where Unity, Excellence, and Pride  
govern the academic climate and extra-curricular activities of the students.**



## ENGLISH

Four years of English (English 1, English 2, English 3 and English 4) are required for graduation. All freshmen are required to take English 1. Honors English is available at the freshman, sophomore, junior and senior class levels. Placement is dependent upon prerequisites and teacher recommendation. Movement between regular and honors courses is possible by obtaining specified course grades and by receiving teacher recommendation. The semester English electives will be offered as indicated by student enrollment and will be open to juniors and seniors as supplemental to their required English courses.

<b>English 1</b>	Two Semesters	1.0 credit
Prerequisite: None		
Open to Grade 9		

English 1 is an introductory literature and writing class. Vocabulary enrichment, essential research skills, introduction to the library, and study skills will be among the topics covered in this class. Students will develop an appreciation for literature through exposure to a variety of literary genres, including the novel, poetry, short story, mythology, and drama. Instruction in writing will focus on improving sentence and paragraph development, as well as improving grammar, usage, and punctuation skills. Research writing in the form of a documented report and reflective and personal experience papers constitute the core of the students' writing experiences.

<b>English 1 Honors</b>	Two Semesters	1.0 credit
Prerequisite: A- or higher in Reading and Language Arts and/or Teacher(s) Recommendation		
Open to Grade 9		

This class will accent essentially the same material that is taught in the corresponding general English 1 course with additional material to read, interpret, and analyze presented at the discretion of the teacher. Enrichment activities and depth of coverage in this honors course will emphasize critical thinking skills, literary analysis, and essay writing skills.

<b>English 2</b>	Two Semesters	1.0 credit
Prerequisite: English 1		
Open to Grade 10		

English 2 attempts to refine the skills introduced in English 1. This class emphasizes writing in the various modes of non-fiction and personal writing, including persuasive, narrative, and expository patterns. English 2 will also introduce the art of writing literary criticism and analysis. Continued development of an understanding of literature including poetry, drama, short story, novel and non-fiction is stressed. Competence in grammar, usage, and mechanics, particularly as shown through the student's written work, will be another aim of English 2.

<b>English 2 Honors</b>	Two Semesters	1.0 credit
Prerequisite: C or higher in English I Honors or an A- in English 1 and Teacher Recommendation		
Open to Grade 10		

This class will examine the development of American literature through a historical perspective. Particular attention is given to the unique characteristics of the American identity and culture as expressed in representative American writing. English 2 Honors will also emphasize continued development of critical thinking skills and literary analysis through reading and writing. Student writing will concentrate on strengthening exposition and language skills of usage and style. Additional material may be presented at the discretion of the teacher.

**English 3** Two Semesters 1.0 credit  
Prerequisite: English 1 and 2  
Open to Grade 11

English 3 examines the development of American literature through an historical perspective. Particular attention is given to the unique characteristics of the American identity and culture as expressed in representative American writing. English 3 will also emphasize continued development of critical thinking skills and literary analysis through reading and writing. Student writing will concentrate on strengthening exposition and language skills of usage and style. An extensive SAT will also be included.

**English 3 Honors** Two Semesters 1.0 credit  
Prerequisite: C or higher in English 2 Honors or an A- or higher in English 2 and Teacher Recommendation  
Open to Grade 11

This class will include the study of British literature (Beowulf, Chaucer, Shakespeare, the Romantic poets, and additional more modern British writers) and a higher-level grammar and writing skills program covering literary analysis and expository composition techniques with additional materials to read, interpret, and analyze presented at the discretion of the teacher. Enrichment activities and depth of coverage in this honors class will emphasize critical thinking skills, literary analysis, and essay writing skills.

**English 4** Two Semesters 1.0 credit  
Prerequisite: English 1, English 2, and English 3  
Open to Grade 12

This course includes the study of British literature (Beowulf, Chaucer, Shakespeare, the Romantic poets, and additional more modern British writers) and a higher-level grammar and writing skills program covering literary analysis and expository composition techniques.

**English 4 Honors** Two Semesters 1.0 credit  
Prerequisite: C or higher in English 3 Honors or an A- or higher in English 3 and Teacher Recommendation, as well as an ACT English score of 19+ OR Accuplacer Placement test score of 6 or higher OR SAT Evidence Based Reading and Writing score of 480 or higher.  
Open to Grade 12

This accelerated, enriched course is designed for those seniors who have the appropriate grade average and/or teacher recommendation. The content of the course is English/World literature And college preparatory writing. This course uses the texts: *The Macmillan Reader*, *Writing Well*, *English Literature*, and *Discovering Literature*.

**HONORS:** ALL STUDENTS MUST MAINTAIN A 'C' TO REMAIN IN THE YEAR LONG PROGRAM. STUDENTS WILL BE REMOVED FROM CLASS IF THEIR FIRST OR SECOND SEMESTER GRADE FALLS BELOW A 'C'. Each Honors English Class may have some non-mandatory assignments to assist in their preparation for the fall semester.

**Honors Communication**

One Semester

0.5 credit

Prerequisites: One of the following placement scores: 480 or above on SAT Evidence-Based Reading and Writing test, 19 or above on ACT standard English, or 6 or above on Accuplacer English

Open to Grades 11-12

This course focuses on the application of written and oral communication skills through a variety of formal and informal experiences with interventional, organizational, and expressive strategies. The course is performance-based and emphasizes effective interpersonal and team-building skills that develop awareness of the communication process and promotes understanding of and adaptation to a variety of communication contexts. The course involves the study of how interpersonal communication is affected by stereotypes, nonverbal cues, vocabulary, and stylistic choices, while also emphasizing critical skills in listening, reading, thinking, and speaking. This course satisfies the Speech graduation requirement.

**Public Speaking/Rhetoric**

One Semester

0.5 credit

Prerequisite: None

Open to Grades 11-12

This class is designed to enhance student competency in the areas of oral and written argument through a focus on critical reasoning skills. Instruction will be given in the art of public speaking and writing through student presentations - both oral and written - that focus on rhetorical skills and sound critical thinking. Content will focus on common fallacies and pitfalls of thinking, methods of approaching, researching, and thinking about controversial issues, sorting out unfounded assumptions, and examining various ways of thinking about an issue.

Materials to help students develop sharper critical reasoning skills may be drawn from a variety of sources, including contemporary newspaper articles, newscasts, non-fictional and fictional works, and film as well as from the Foundation for Critical Thinking. This course satisfies the Speech graduation requirement.

**MATHEMATICS****Freshman Year**

Math I or Math I Honors

**Sophomore Year**

Math II or Math II Honors

**Junior Year**

Math III, or Math III Honors, or Honors Statistics

**Senior Year**

Real World Math, or Transitional Math IV, or AP Calculus, or Honors Statistics

**Math I**

Two Semesters

1.0 credit

Prerequisite: 8<sup>th</sup> Grade Math

Open to Grades 9-12

This integrated course focuses on Algebra content while incorporating Geometry and Statics into the curriculum in alignment with the Common Core. Topics of study include: Relationships between Quantities, Linear and Exponential Relationships, Reasoning with Equations,

Descriptive Statistics Congruence, Proof and Constructions and Connecting Algebra and Geometry through Coordinates. Students successfully completing this course will then go on to the next level of math.

**Math I Honors** Two Semesters 1.0 credit  
Prerequisite: A- or higher in previous Math course and/or teacher(s) recommendation, or placement test  
Open to Grade 9

This accelerated Honors course focuses on the same content as Math I with a quicker pace creating time for enrichment through more involved applications and explorations of the content.

**Math II** Two Semesters 1.0 credit  
Prerequisite: Math I  
Open to Grades 9-12

This integrated course focuses on Geometry concepts while incorporating Algebra content in to the curriculum in alignment with the Common Core. Topics of study include: Congruency, Similarity, Right Triangles and Trigonometry, Circles, Surface Area and Volume, Quadratic Functions and Factoring, Rational Exponents and Probability. Students who successfully complete this course will then go on to the next level of math.

**Math II Honors** Two Semesters 1.0 credit  
Prerequisite: C or higher in Math I Honors or an A- or higher in Math I and Teacher Recommendation  
Open to grade 10

This class will accent essentially the same material that is taught in the corresponding Math II course with additional material presented at the discretion of the teacher and at a faster pace.

**Math III** Two Semesters 1.0 credit  
Prerequisite: Math II  
Open to Grades 9-12

This integrated course focuses on Algebra concepts while incorporating Geometry and Statistics content into the curriculum in alignment with the Common Core. Topics of study include: Algebraic Properties, Variables, Equivalence, Solving Equations and Inequalities, Proportionality, Functions, Modeling, Data Collection and Analysis, Data Representation, Probability, Visualization, Transformations, Measurement, Reasoning and Proof, Similarity, and Coordinate Geometry. Students who successfully complete this course will then go on to the next level of math.

**Math III Honors** Two Semesters 1.0 credit  
Prerequisite: C or higher in Math II Honors or an A- or higher in Math II and Teacher Recommendation  
Open to Grades 11-12 or 10 with Teacher Recommendation

This class will accent essentially the same material that is taught in the corresponding Math III course with additional material presented at the discretion of the teacher and at a faster pace.

**Real World Math** Two Semesters 1.0 credit

Prerequisite: Math III or Math III Honors

Open to grade 12

This course does not qualify as one of the three years of required Math for graduation purposes.

Real World Math will focus on the real life applications of mathematics students will encounter post high school. Topics will include but are not limited to: percents, area, perimeter, measurement, income, job requirements, transportation, college expenses, budgeting, housing expenses, loans, insurance costs, marketing and credit.

**Transitional Math IV** Two Semesters 1.0 credit

Prerequisite: Math III or Math III Honors

Open to Grade 12

Math course framework built around essential algebraic competencies designed to prepare students for college and career pathways in areas such as: Science, Technology, Engineering, and Math or STEM which require advanced algebraic skills or calculus. Students will engage in deepening conceptual understanding using algebra and mathematical applications of algebra and functions and how functions naturally arise using authentic modeling situations. The function families (linear, polynomial, rational, radical, and exponential) will be emphasized. Additionally, the course shall emphasize the eight mathematical practices, particularly modeling within the setting of authentic and contextualized applications, and upon completion, the student should be able to: demonstrate and justify both orally and in writing conceptual understanding of functions combined with advanced algebraic knowledge to solve complex, contextualized, multi-step problems in authentic settings. A TI-84 Plus graphing calculator is strongly recommended for this course. Course design will enable students who earn a grade of C or higher to transition directly into credit bearing college-level courses at Illinois community colleges and select universities; the STEM portability code is TM001.

**AP Calculus AB** Two Semesters 1.0 credit

Prerequisite: C or higher in Math III Honors or an A- or higher in Math III and Teacher Recommendation

Open to Grade 12

This course explores the four main topics of calculus: limits, derivatives, indefinite integrals, and definite integrals. The course provides students with the opportunity to work with functions represented graphically, numerically, analytically, and verbally and emphasizes the connections among these representations. Students will be required to communicate the solutions verbally and in written sentences. At the end of the course, students will have the option to take the AP Calculus Exam for college credit. The student is responsible for the test fee. A TI-84 Plus graphing calculator is strongly recommended for this course.

**Honors Statistics** Two Semesters 1.0 credit

Prerequisites (Grade 12): C or higher in Math III Honors, or an A- or higher Math III and Teacher Recommendation

Prerequisites (Grade 11): C or higher in Math II Honors, or an A- or higher in Math II and Teacher Recommendation

Open to Grades 11-12

An introduction to basic concepts in statistical methods including measures of central tendency, measures of dispersion, probability, theoretical and empirical distribution, estimation, tests of hypotheses, linear regression and correlation. Students who have met the placement requirements through Sauk Valley Community College may take the course for dual credit.

## SCIENCE

### Path #1

Biology/ Honors Biology  
Chemistry  
Physics or Human Anatomy/ Physiology  
or Advanced Honors Biology/Forensics  
Elective

### Path #2

Biology  
Earth Science

Chemistry  
Elective

### Path #3

Biology  
Earth Science

Physical Science  
Elective

### Path #4

Honors Biology  
Physical Science

Chemistry or Physics  
Elective

### Senior Electives:

Physics (2 sem)  
Human Anatomy/Physiology (2 sem)  
Zoology (1 sem)  
Independent Study 1 (1 sem)

Forensics (1 sem)  
Advanced Biology Honors (1 sem)  
Botany (1 sem)  
Independent Study 2 (1 sem)

### **Biology**

Prerequisite: None  
Open to Grade 9

Two Semesters

1.0 credit

This required freshman class is a laboratory science course. Topics covered include cellular structure and function, flow of matter and energy in organisms and ecosystems, inheritance and variation of traits natural selection and evolution of organisms and interdependent relationships of various ecosystems. Labs and activities will focus on increasing problem solving and critical thinking skills through scientific processes.

### **Honors Biology**

Prerequisite: A- or higher in previous Science course and/or Teacher(s) Recommendation  
Open to Grade 9

Two Semester

1.0 Credit

This class will accent essentially the same material that is taught in the corresponding general biology course with additional material to read, interpret and analyze presented at the discretion of the teacher. Enrichment activities and depth of coverage in this honors course will emphasize critical thinking skills, laboratory techniques and STEM concepts.

### **Earth Science**

Prerequisite: Biology or Honors Biology  
Open to Grades 10-12

Two Semesters

1.0 credit

This course is a laboratory science course that will cover topics such as geology, meteorology, oceanography, astronomy, and earth history. Topics will relate to the earth's motions, composition, history and surface changes, its weather and oceans, and its place in the universe. The purpose of this class is to develop problem solving and critical thinking skills through scientific inquiry.



**Physical Science**

Two Semesters

1.0 credit

Prerequisite: Completion of Biology (Open to Grade 10 with completion of Biology or Honors Biology with a grade of B or better and Teacher Recommendation) and completion or concurrent enrollment of MATH III.

Open to Grades 11-12 or 10 with Teacher Recommendation

Physical Science is designed for students who want a better understanding of the physical sciences, but are not ready to take Chemistry or Physics. This course involves class discussions, demonstrations, and hands-on laboratory experiments that will help to develop a conceptual, rather than mathematical, understanding of the material universe. Topics include force and motion, velocity and acceleration, work and energy, atomic structure, chemical reactions, and other topics of interest.

**Chemistry**

Two Semesters

1.0 credit

Prerequisite: Completion of Biology and Earth Science with a grade of C or higher (Open to Grade 10 with completion of Biology with a grade of B or higher and teacher recommendation) and completion or concurrent enrollment of MATH II Honors or MATH III.

Open to Grades 11-12

This course is designed for students pursuing science at the post-secondary (college) level. This course involves lectures, rigorous mathematics, and laboratory experiments; only students with a strong command of algebra are encouraged to enroll in this course. Students will gain an understanding of the concepts, principles, and mathematics of chemistry. The beginning of the course lays the foundation of chemistry: study of matter, atomic structure, chemical nomenclature, bonding and equations. The remainder of the course is spent building on this foundation in relation to various topics such as acids and bases, solutions, oxidation and reduction, as well as chemical equilibrium.

**Physics**

Two Semesters

1.0 credit

Prerequisite: Two years of Science and completion (or concurrent enrollment) of MATH II Honors concurrent or MATH III Honors.

Open to Grades 11-12

This course is a laboratory science designed for college-bound students interested in the physical sciences. This course involves lectures and rigorous mathematics; only students with a strong command of algebra are encouraged to enroll in this course. Prior knowledge of, or concurrent enrollment in, a mathematics course involving trigonometry is encouraged. The student will gain an understanding of the concepts, principles, and mathematics of physics. Topics include concepts of motion (including studies of velocity and acceleration), forces, mechanics (conservation laws of energy and momentum), wave theory, sound and light, electricity, and magnetism. This course is recommended for students pursuing careers in physical science, engineering, and some health fields.

**Human Anatomy/Physiology**

Two Semesters

1.0 credit

Prerequisite: 1 year of Biology and 1 year of Chemistry with grade of C or higher and Teacher Recommendation.

Open to Grades 11-12

Human Anatomy/Physiology is a laboratory course designed for students who are interested in pursuing careers in such areas as nursing, medicine, physical therapy, and other science-related fields. The course will begin by covering introductory chemistry, cells, metabolic processes, and tissues. This introduction will be followed with a complete study of the micro and macro organization of each body system, as well as the physiology of each system.

**Forensics** One Semester 0.5 Credit  
Prerequisite: Completion of Chemistry with a grade of B or higher and Teacher Recommendation  
Open to Grade 12, or 11 with Teacher Recommendation

This course provides an introduction to the methods, procedures, history, and branches of forensics. Emphasis will be put on the history of forensics in the law, methods used in evidence collection, analysis of evidence, and deductive reasoning. Upon completion, students should be able to demonstrate the proper steps of collecting evidence from a crime scene along with analyzing that evidence to come up with a conclusion. Laboratory exercises include fingerprinting, blood spatter, chromatography, microscope analysis, and solving a crime.

**Advanced Biology Honors** One Semester 0.5 credit  
Prerequisites: C or higher in Biology and Chemistry (or Teacher Recommendation)  
Open to Grades 11-12

This lab-based course expands on the student's basic understanding of Biology. Focus will be put on topics like cells, DNA and RNA, protein synthesis, mitosis, meiosis, genetics, diversity within species, natural selection, evolution, and ecosystems. Skills that will be exercised include carrying out the scientific method through lab activities that will be completed at home, drawing conclusions about scientific phenomena, and utilizing math skills to solve genetics problems. Students who have met the placement requirements through Sauk Valley Community College may take the course for dual credit.

**Botany** One Semester 0.5 credit  
Prerequisite: Completion of three years of science (including Biology) with grades of C- or higher.  
Open to Grade 12

Botany is a semester course for those students interested in pursuing careers in any type of plant-oriented field, such as forestry, agriculture, conservation, and horticulture. The course involves both lecture and laboratory exercises with special emphasis placed on assignments in the green house setting. Plant structure, physiology, identification, diseases, entomology dealing with plants, propagation, and soil requirements are a few of the topics covered.

**Zoology** One Semester 0.5 Credit  
Prerequisite: Completion of three years of science (including Biology) with grades of C- or higher.  
Open to Grade 12

This course provides an introduction to the classification, relationships, structure, and function of major animal phyla. Emphasis is on levels of organization, reproduction and development, comparative systems, and a survey of selected phyla. Upon completion, students should be



**American History 1** Two Semesters 1.0 credit  
Prerequisite: None  
Open to Grade 11

The emphasis in this course in American History will be on those persons, events, values and principles that have helped to shape U.S. society. The general approach of the class is chronological from colonial America to the 1920s.

**American History 2** One Semester 0.5 credit  
Prerequisite: American History I  
Open to Grade 12

This course is a continuation of American History 1 and focuses primarily on the major social, political, and military events of the twentieth century.

**Civics** One Semester 0.5 credit  
Prerequisite: None  
Open to Grade 12

This course concentrates on the historical and contemporary theories and practices of American political institutions at the national, state, and local levels. During the semester the school-required Constitution will be taken and the state-mandated requirement for service will be completed.

**Psychology I** One Semester 0.5 credit  
Prerequisite: None  
Open to Grades 11-12

This course is an introduction to the study of human behavior. Students will be introduced to foundational psychological theories and research methods throughout the semester. In doing so, students will study biology's impact on thinking and behavior, the developmental stages of thinking and emotions, and the basis of personality and personality disorders. This course is recommended for juniors and seniors who are college bound.

**Honors Psychology** One Semester 0.5 credit  
Prerequisites: C or higher in Psychology I  
Open to Grades 11-12

As an extension of Psychology I, students should already have a basic understanding of major psychological constructs and will focus on applying those concepts and theories through observation, experimentation, and research in this course. Content will further an understanding of human thinking and behavior through the analysis of several psychological fields of study. Topics include samplings from the following subsections in psychology: abnormal, behavioral, biological, cognitive, developmental, and social. Students who have met the placement requirements through Sauk Valley Community College may take the course for dual credit.

**Sociology I** One Semester 0.5 credit  
Prerequisite: None  
Open to Grades 11-12

This course is an introduction to the study of human behavior in groups and the social forces that influence them. Time is spent studying culture, social structure, socialization, values, social control, and social inequality. This course is recommended for juniors and seniors who are college bound.

**Sociology II** One Semester 0.5 credit  
Prerequisite: None  
Open to Grades 11-12

This course is a continuation of Sociology 1. It is an introduction to the study of human behavior in groups and the social forces that influence them. Time is spent studying social institutions, the changing social world, and collective behaviors. This course is recommended for juniors and seniors who are college bound. Sociology 1 is recommended, but not required.

**Economics** One Semester 0.5 credit  
Prerequisite: None  
Open to Grades 11-12

This course is an introduction to microeconomics and macroeconomics. In this semester course, students will examine consumerism, economic behavior of businesses, competition, monopoly, market equilibrium and the role of government in the economy.

**History through Film** One Semester 0.5 credit  
Prerequisite: None  
Open to grades 9-12

This course will examine films/books and historical dramas that were based on books written by well-known authors. We will compare the authors'; interpretations and filmmaker's renditions of classic books, such as but not limited to; *Jesse Owens*, *Unbroken*, *Grapes of Wrath*, *Malcom X*, *Henry Ford*, *Jackie Robinson* and *Forrest Gump*.

**Honors Western Civ to 1648** One Semester 0.5 credit  
Prerequisites: C or higher in Honors Western Civ Since 1648 OR C or higher in World History.  
Open to Grades 11-12

This is an introductory course that tracks from the beginning of mankind through the rise and fall of the Roman Empire. Students will evaluate political, economic, religious, social and cultural factors that shape early civilizations and peoples through an exploration of civilizations in Sumer, Egypt and Asia, as well as later developments in the Greek and Persian Empires. In doing so students will make connections between modern and ancient civilizations through inquiry into essential questions. Students who have met the placement requirements through Sauk Valley Community College may take the course for dual credit.



corporation. Students stay engaged with the Online Working Papers and will receive instant feedback to gain a better understanding of accounting basics. Accounting simulations will be completed throughout the year to give students hands-on, real-world experience in accounting practice. This class is recommended for college-bound students interested in any business field (finance, marketing, business administration, accounting, and/or management).

**Accounting 2** Two Semesters 1.0 credit  
Prerequisite: C or higher in Accounting 1 with a grade of C or higher or Teacher Recommendation  
Open to Grades 11-12

This course is designed to help students develop a greater knowledge of the principles of accounting. Topics include: Departmentalized Accounting, Accounting for Adjustments and Valuation, Corporation Accounting, Management Accounting, and Internal Control. Students will continue to stay engaged with the Online Working Papers and will receive instant feedback to gain a better understanding of accounting principles. Accounting simulations will also be completed throughout the year to give students hands-on, real world experience in accounting practice. Students interested in a career in the business world would greatly benefit from two years of accounting study.

**Personal and Business Law** One Semester 0.5 credit  
Prerequisite: Computer Applications  
Open to Grades 10-12

This semester course is designed to introduce the student to the laws that affect their daily lives. The course will focus on criminal and civil law and the court systems that enforce the laws. In addition, students will also be introduced to the elements relating to contracts, employment law, corporate law, family law, business ethics, and consumer protection. This course will help students become aware of their rights and responsibilities under the laws so they can function as responsible citizens in their personal and professional lives. This course would be valuable for any student interested in the business field.

**Marketing** One Semester 0.5 credit  
Prerequisite: Computer Applications  
Open to Grades 10-12

Marketing is a business course that provides a basic introduction to the scope and importance of marketing in the global economy. Students will be introduced to basic marketing techniques placing an emphasis on how sports are used to market products and how marketing is used in the sports world. Oral and written communications, mathematical applications, problem solving, technology skills, and critical thinking skills will be utilized as they relate to each of the marketing functions. This course would be valuable for any student interested in the business field.

**Introduction to Computer Technology** One Semester 0.5 credit  
Prerequisite: None  
Open to Grades 9-12

This course introduces students to computers, including peripheral and mobile devices; the functions and uses of computer technology; the language used in the industry; possible applications of various computer-based technologies; and occupations related to computer

technology hardware and software industries. The course will explore legal and ethical issues associated with computer technology use, as well as how changes influence modern society. Students may also be required to perform some computer technology operations.

### **CONSUMER EDUCATION & LEADERSHIP**

<b>Consumer Education</b>	One Semester	0.5 credit
Prerequisite: None		
Open to Grades 11-12		

This required course is designed to develop the student's skills, concepts and understandings required for everyday living. The goal of consumer education is to prepare the student to be a wise and responsible consumer. Material to be covered in the course shall include, but is not limited to, installment purchasing, budgeting, comparison of prices, and an understanding of the roles of consumers interacting with agriculture, business, trade unions, and government in formulating and achieving the goals of the mixed free enterprise system. This course will satisfy the Illinois state requirement for consumer education and financial literacy.

<b>Leadership</b>	One Semester	0.5 Credit
Prerequisite: None		
Open to Grades 9-12		

Leadership provides students with an opportunity to develop skills through reflection, application and analysis of a broad range of leadership concepts. Students will engage in activities that promote effective decision-making, goal setting, and character building. School and community service learning projects will be a requirement of this course.

### **INTERNSHIP**

<b>Cooperative Education</b>	One Semester	0.5 Credit
Prerequisite: None		
Open to Grade 11 (Second Semester Only) or Grade 12 (First Semester Only)		

Cooperative Education (Co-op) is a 1 semester class which will prepare students for success in their career choice. The program will allow students the opportunity to gain valuable work experience during their senior year in their career field after gaining the skills needed to gain and hold position in the workforce. The classroom work will cover professionalism and all aspects that go along with it. Students will learn how to be "professional" and gain experience through guest speakers, mock interviews, and field trips.

Acceptance into the program will include, but is not be limited to, an application process and evaluation of the student's attendance. Final determination will be up to the Co-op Director and the building principal. Applications must be turned into the Co-op director no later than the end of the first nine weeks of the student's Junior year, if the student intends on entering the program. Application forms will be available in the counseling office.

Second semester, Junior year will consist of the classroom portion of the program, although next year's seniors will take the class (BVHS Internship CTE Co-op/Work Co-op) Senior year of the





**Introduction to Human Growth and Development**      One Semester      0.5 credit  
Prerequisite: None  
Open to Grades 9–12

This course is designed for students who are interested in a career in child care, health or social sciences, psychology, as a base for many other career directions, or just want to learn more about how we grow and develop throughout life. You will explore the foundations of development from infancy and early childhood that carry all the way through into adult life. Topics include human development and wellness theories and principles, life cycle expectations and issues, and special needs and concerns of aging adults. The skills developed in this class will promote a healthy understanding of parenting roles and responsibilities, individual and family life cycles, as well as development needs for healthy, happy, and fulfilling adult life. Practical experiences related to these topics are included through a variety of activities.

**Child Care 1**      Two Semesters      1.0 credit  
Prerequisite: None  
Open to Grades 10-12

This course is designed for students interested in exploring a career in early childhood education, child care, or simply gain knowledge, skills, and understanding of the growth and development patterns of young children for your own future goals. During this course you will be working with pre-school children in our Tiny Twister preschool program as you design and teach children between the ages of 2 and 4. You will learn to recognize developmental milestones and plan developmentally appropriate learning activities as you work through the ECE level 1 credentialing program. You will explore different career opportunities, learn time and resource management, participate in problem solving group activities, and develop leadership skills.

**Living Environments**      One Semester      0.5 credit  
Prerequisite: None  
Open to Grades 10-12

This course is designed for students who are interested in architecture, housing and homes, or interior design. Working through this course you will learn about communities and neighborhoods, housing in history, design elements and principles, and basic home construction principles. During this class you will make a scale model of a home using foam-core board and other materials. Use graph paper and computer programs you will design interior and exterior spaces. If you want to explore potential careers in housing and design this course is for you.

**Clothing and Textiles**      One Semester      0.5 credit  
Prerequisite: None  
Open to Grades 9-12

If you want to learn more about how the things you wear came to be, this course is for you. You will explore textiles, fashion history, and tools of the trade. You will learn about fibers and textiles, their characteristics, textile construction techniques, and design elements. This course is designed to cultivate resource and project management skills as well as basic sewing and textile creation skills through project based experiences. During this course you will need to obtain basic supplies for self-selected projects.

**Clothing and Textiles 2**

One Semester

0.5 credit

Prerequisite: Clothing and Textiles 1

Open to Grades 9-12

This class is a project based course designed for those who may be interested in a career in the textile, fashion, or clothing related industry. You will build on skills and interests, explore new techniques and use problem solving techniques to work through challenging projects. You will explore current and emerging trends in textiles, fashion and cottage based industries. This course emphasizes awareness and investigation of careers and industry trends in textiles. This course may involve working on projects or articles for others as well as yourself.

**Culinary Arts and Occupations 1**

One Semester

0.5 credit

Prerequisite: Advanced Foods

Open to Grade 12

This course provides terminology, culinary math and formulas, and practical experiences needed for the development of culinary competencies and workplace skills. Course content will include: food service styles and delivery systems; and may include baking and pastry arts, hors d'oeuvres, garnishing, cake decorating. You will explore health conscience dietary trends and alteration for dietary restrictions. There will be an emphasis on project management, creation and evaluation of food products, industry safety and sanitation practices, and evaluating consumer and industry trends. Through cooking lab experiences you will develop individualized mastery of culinary techniques. Safety and sanitation instruction and classroom application will prepare students for a future career in the food service industry.

**FOREIGN LANGUAGE**

Due to four-year college admission standards, college-bound students are strongly encouraged to enroll in a four-year foreign language sequence.

**Spanish 1**

Two Semesters

1.0 credit

Prerequisite: C or higher in 8<sup>th</sup> grade Language Arts and concurrent enrollment in English 1, 2, 3, 4

Open to Grades 9-12

Although Spanish 1 is available to all students in grades 9-12, it is usually easier to fit it into the student's schedule during the freshman year. By the end of the year, students will have learned the basics of Spanish language and will have been introduced to the Spanish culture. Students will be given many opportunities to increase their listening, reading, speaking, and writing skills in Spanish while learning vocabulary and grammar. Students also will be introduced to different cultural aspects, such as holidays and background knowledge of the Spanish-speaking countries. The textbook's web site resources will enhance the students' comprehension.

**Spanish 2**

Two Semesters

1.0 credit

Prerequisite: C or higher in Spanish 1 or Teacher Recommendation

Open to Grades 10-12

The year will begin with a review of some of basic grammar concepts learned in Spanish 1. New vocabulary and grammar concepts will be introduced throughout the year with constant review. Students will be expected to know present and past verb tenses and conjugations by the end of the year. Students will be expected to further their communications skills in listening, reading,

speaking and writing through presentations. Students will continue to learn about the culture of the Spanish-speaking countries through basic facts and music genres. The textbook's web site resources will enhance the students' comprehension. ([www.classzone.com](http://www.classzone.com))

**Spanish 3** Two Semesters 1.0 credit  
Prerequisite: C or higher in Spanish 1 and 2 or Teacher Recommendation  
Open to Grades 11-12

Spanish III consists of grammar review with new tenses being integrated as the year progresses, with an emphasis on writing skills and reading comprehensions. By the end of the year, students will be expected to have improved conversational skills as vocabulary increases. Culture will continue to be important with emphasis on traditions, holidays, and biographies of influential Hispanics. The textbook's web site resources will enhance the student's comprehension.

**Spanish 4** Two Semesters 1.0 credit  
Prerequisite: C or higher in Spanish 1, 2, and 3 or Teacher Recommendation  
Open to Grade 12

In Spanish 4 the grammar learned in the previous classes should be mastered. Students should be able to express themselves in Spanish both orally and in written work with a strong emphasis on speaking Spanish in the classroom. Reading comprehension will be further sharpened through Spanish literature. Instruction will be mainly in Spanish. Students will explore and investigate the cultural differences and similarities between the United States and the Spanish-speaking countries. Students will research and report on Spanish speaking artists.

**German I, II, III, & IV** are offered online through Illinois Virtual School and Academy. Lessons have links to video, animation, and sound files to practice vocabulary, explain grammar points and introduce the culture of German-speaking countries. Video clips and sound files come with information sheets that students fill in as they watch and listen. Computer exercises, worksheets, and group and class activities provide additional practice. Phone sessions with instructors and tutors assist students with vocabulary, grammar and pronunciation.

**German I** Two Semesters 1.0 credit  
Prerequisite: C or higher in 8th grade Language Arts and concurrent enrollment in English 1, 2, 3, 4  
Open to Grades 9-12

This first year course introduces students to the German language and culture. The emphasis in the course is on communication, and the teaching method is student-centered. Motions are used to reinforce new vocabulary words that are taught in the context of mini-stories.

**German II** Two Semesters 1.0 credit  
Prerequisite: C or higher in German I or Teacher Recommendation  
Open to Grades 10-12

German II students build on what they have learned in German I. Students engage in conversations about topics such as giving directions, birthdays, and shopping and practice German cultural amenities. The German culture is further explored.

**German III** Two Semesters 1.0 credit  
Prerequisite: C or higher in German I and II or Teacher Recommendation  
Open to Grades 11-12

German III is a continuation of the study of the German language and cultures. In the third year students will be expected to improve their communication skills by using them on a daily basis and will work with a variety of authentic German texts: poems, newspaper articles, legends and fairy tales, songs, and a novel.

**German IV** Two Semesters 1.0 credit  
Prerequisite: C or higher in German I, II, and III  
Open to Grade 12

German IV is a continuation of the study of the German language and cultures. The emphasis of this course is daily communication and the further study of German literature and history using sources written in German. They will be expected to write a short pop song, write an episode of a play, create their own fairy tale, and prepare lesson plans and teaching materials to teach German to elementary school children.

### ART

**Art 1** Two Semesters 1.0 credit  
Prerequisite: None  
Open to Grades 9-12

This studio course is an introduction and exploratory course of a variety of art and mediums. Students will apply the studio habits of mind and artistic behaviors to develop their artistic mindset and skills. During this course, students may need to provide their own supplies. A sketchbook/journal will be required each semester.

**Art 2** Two Semesters 1.0 credit  
Prerequisite: Art 1 or Teacher Recommendation  
Open to Grades 10-12

This studio course builds on the knowledge and skills acquired in Art 1. Students are expected to be self-directed in their studies and studio work. Students will apply the studio habits of mind and artistic behaviors to develop their artistic mindset and skills. During this course, students may need to provide their own supplies. A sketchbook/journal will be required each semester.

**Art 3** Two Semesters 1.0 credit  
Prerequisites: Art 1 & 2 or Teacher Recommendation  
Open to Grades 11-12

This studio course is a continuation of Art 1 and Art 2. Students are expected to be self-directed in their studies and studio work. Students will apply the studio habits of mind and artistic behaviors to develop their artistic mindset and skills. During this course, students may need to provide their own supplies. A sketchbook/journal will be required each semester.

**Art 4** Two Semesters 1.0 credit  
Prerequisites: Art 1, 2, & 3 or Teacher Recommendation  
Open to Grade 12

This studio course is a continuation of Art 1, Art 2, and Art 3. Students are expected to be self-directed in their studies and studio work. Students will apply the studio habits of mind and artistic behaviors to develop their artistic mindset and skills. During this course, students may need to provide their own supplies. A sketchbook/journal will be required each semester. Further work will be done to prepare students for future college and vocational plans.

**Painting** One Semester 0.5 credit  
Prerequisite: None  
Open to Grades 9-12

This course will cover basic techniques and skills in using a variety of painting mediums. A sketchbook/journal will be required.

**Painting 2** One Semester 0.5 credit  
Prerequisites: Painting 1 and Teacher Recommendation  
Open to Grades 9-12

This course will cover advanced techniques and skills in using a variety of painting mediums including: oils, acrylics, watercolor and assemblage. The Elements and Principles of design will be explored. Work will concentrate on experimentation, craftsmanship and technique. Students will also cover Art History, Criticism, and Aesthetics. A sketchbook/journal will be required.

**Ceramics 1** One Semester 0.5 credit  
Prerequisites: None  
Open to Grades 9-12

This course will cover several hand-building techniques, use of the wheel, and sculpture. Students will concentrate on experimentation, craftsmanship, and the technique/skills that will produce quality work. Functional and decorative pieces will be made. Students will also cover Art History, Criticism, and Aesthetics. A sketchbook/journal will be required.

**Ceramics 2** One Semester 0.5 credit  
Prerequisites: Ceramics 1 and Teacher Recommendation  
Open to Grades 9-12

This course will cover use of the wheel, hand building, and sculpture. Students will concentrate on experimentation, craftsmanship, and the technique/skills that will produce quality work. Functional and decorative pieces will be made. Students will also cover Art History, Criticism, and Aesthetics. A sketchbook/journal will be required.

**Independent Study in Art 1** One Semester 0.5 credit  
Prerequisite: Art 1, 2, 3, and concurrent enrollment in Art 4, and Teacher Recommendation  
Open to Grade 12

Designed for the serious art student, this course will be developed for the individual student outlining the specific goals, specific medium to be used, and the assessment tool to be utilized.



## HEALTH

**Health Education** One Semester 0.5 credit

Prerequisite: None

Open to Grades 10-12

This is a one-semester course. The course is designed to empower the students to make choices that promote health and wellness for themselves and others. The course of study will include mental health, nutrition, substance abuse, growth development and reproduction, consumer health, HIV/AIDS, and diseases. CPR and this course are required for graduation.

## DRIVER EDUCATION

**Driver Education** One Semester 0.5 credit

Prerequisite: Must have passed 8 academic semester courses (earned 4 academic high school credits) in the two semesters preceding enrollment

Open to Grades 9-12

This is a one-semester course offered to sophomores who have passed 8 academic semester courses (earned 4 high school credits) in the two semesters preceding enrollment. (Exception: A student that fails all eight classes in one semester, even if the required number of classes in the previous semester has been passed, will not be allowed to enroll in Driver's Education.) It is the study of safe, efficient, and economical operation of the automobile. The students will receive a minimum of 30 hours of classroom instruction, 6 hours of actual driving experience, and 6 hours of observation of driving. Major areas of study include: traffic laws, signs, signals, and markings; effects of alcohol and drugs on driving; rural, city, and controlled access driving; simple auto maintenance; fuel-saving techniques; emergency procedures; trip planning, ownership and care of a motor vehicle. During the behind-the-wheel driving practice, students are exposed to various driving situations to begin getting acquainted with actual driving conditions that face all drivers in today's traffic.

## PHYSICAL EDUCATION

**General Physical Education** Two Semesters 1.0 credit

Prerequisite: None

Open to Grades 9-12

Physical Education is a required co-education class for all students. The course consists of a variety of individual activities and team sports. The major emphasis is on physical fitness, stretch/flexibility, rules, strategies, terminology, safety, teamwork, and sportsmanship as well as individual lifetime sports team activities, and personal wellness. The individual lifetime sports include pickle ball, badminton and weight training. General Physical Education, Strength and Conditioning, or Personal Fitness required for all students, except those granted exemptions based on handbook guidelines.

**Strength and Conditioning** Two Semesters 1.0 credit

Prerequisite: None

Open to Grades 10-12 or Grade 9 with Teacher Recommendation



Strength and Conditioning will consist of higher levels of physical fitness activities. The major emphasis is placed on flexibility, speed/agility, strength, and cardiovascular endurance. This course is designed for the student athlete participating in interscholastic activities. Strength and Conditioning is open to grades 10-12 and to grade 9 with parent/teacher approval.

**Personal Fitness** Two Semesters 1.0 credit  
Prerequisite: None  
Open to Grades 10-12 or Grade 9 with Teacher Recommendation

In Personal Fitness students will concentrate on overall body fitness through different forms of exercise. Walking, aerobics, weight room activities, step aerobics and textbook materials with information on how to stay fit and healthy will be included in the course. Various activities such as yoga, aerobics, weight room activities, and step aerobics in conjunction with textbook materials will encompass lifelong wellness and activities for the learner.

**Adaptive Physical Education** Two Semesters 1.0 credit  
Prerequisite: None  
Open to Grades 9-12 (Referral)

Adaptive Physical Education is an adapted, or modified, physical education program designed to meet the individualized gross motor needs. The program can be provided one-on-one, in a small group, or within the general physical education setting. Adaptive Physical Education will work on physical and motor skills along with fundamental motor skills and patterns (throwing, catching, walking, running, etc.).

### **INDUSTRIAL TECHNOLOGY**

**Beginning Woodworking/Machine Woodworking** One Semester 1.0 credit  
Prerequisites: None  
Open to Grades 10-12

Woodworking is a hands-on class that allows the student to either form or expand their woodworking abilities through guided instruction. The class will cover from selecting trees to finishing a project. Our facility has up-to-date machinery that will allow students to be productive and safe. The class is based on woodworking but will also cover the basics of construction. First semester is treated as an introduction class and second semester is for those who want to build a strong knowledge of woodworking. This class builds student confidence which they will carry throughout their lives.

**Construction Maintenance I** One Semester 0.5 credit  
Prerequisite: 1 credit of Orientation Level Industrial Tech classes  
Open to Grades 11-12

Construction Maintenance I provides experiences related to the maintenance of building and grounds involving the erection and installation of modifications and the repair of existing structures, grounds or equipment. Planned learner activities allow students to become introduced to basic principles and methods related to safety practices, use of tools, installing and finishing of items in the building, lighting and electrical services, water and drain services, heating and

ventilating services, and maintaining outside grounds. Students also learn how to use local, state and national codes.

**Automotive Class**

One Semester

1.0 credit

Prerequisite: None

Open to Grades 10–12

Will provide a hands-on learning experience for students in the automotive field. The class is based on Preventative/General Maintenance. The class will cover why and how of general maintenance. How the vehicle works as a system. Shop work will include oil and filter changes, engine cooling system checks/flushing, tire rotation, brakes, transmission fluid and filter service, electrical systems, heating and cooling systems. Students will be graded on class work as well as hands-on participation.

**AutoCAD**

Two Semesters

1.0 credit

Prerequisite: None

Open to Grades 11–12

First semester will include seven weeks of paper/pencil drafting. We will cover the basics of drafting from orthographic drawings to isometric drawings. Students will be able to take an idea, sketch it, and draft it to scale. We will then use those drafting skills and apply them to the AutoCAD program for the rest of the semester. First semester AutoCAD will introduce the program and cover the basics of orthographic drawings. Second semester will include a more in-depth look into orthographic drawings as well as isometric drawings. The second semester is treated as an advanced AutoCAD section designed to prepare students for continuing their education in the field or the work environment.

**Welding**

Two Semesters

1.0 credit

Prerequisite: Ag Mech and Tech 1

Open to Grades 11-12

This Welding course enables students to gain knowledge of the physical and chemical properties, uses, and applications of various metals. Students gain skills in various processes used to join and cut metals (such as oxyacetylene, shielded metal, metal inert gas, and tungsten arc processes) and experience in identifying, selecting, and rating appropriate techniques. Students read and interpret blueprints in order to identify, select, and rate appropriate techniques. This course may prepare students to pass relevant industry certifications.

**AGRICULTURE**

Freshmen:            Agricultural Construction and Technology  
                          Introduction to Agriculture Industry

Sophomores:        Ag Issues and Leadership  
                          Ag Mech and Tech 1  
                          Food Science Technology  
                          Horticulture  
                          Natural Resources and Conservation

Pre-Veterinary Studies 1  
Pre-Veterinary Studies 2

Juniors/Seniors: Ag Issues and Leadership  
Ag Mech and Tech 1  
Agricultural Construction and Technology  
Agronomy  
Food Science Technology  
Honors Agribusiness Management  
Horticulture  
Introduction to Agriculture Industry  
Natural Resources and Conservation  
Pre-Veterinary Studies 1  
Pre-Veterinary Studies 2

**Introduction to Agriculture Industry** Two Semesters 1.0 credit  
Prerequisite: Desire to learn about Agriculture and Teacher Recommendation  
Open to Grades 9-12

Introduction to Agriculture Industry introduces students to agricultural opportunities and the following pathways of study in agriculture: agriculture, food and natural resources. Student experiences involve the study of communication, the science of agriculture, plants, animals, natural resources, and agricultural mechanics. Science, mathematics, reading, and writing components are woven in the context of agriculture. Students will develop and improve employability skills for career and postsecondary opportunities through practical applications and hands-on activities. In addition, students will understand specific connections between their lessons and Supervised Agricultural Experience (SAE) and FFA components that are important for the development of an informed agricultural education student. Students investigate, experiment, and learn about documenting a project, solving problems, and communicating their solutions to their peers and members of the professional community.

**Honors Agribusiness Management** Two Semesters 1.0 credit  
Prerequisite: Introduction to Agriculture Industry or Agricultural Construction and Technology; or Teacher Recommendation  
Open to Grades 11-12

This capstone course is designed to develop student skills in the areas of advanced agricultural business procedures, establishment of agricultural businesses, managing the agribusiness, financing the agribusiness, marketing and advertising, sales techniques. This course will also cover the organization and structure of agricultural business, resource evaluation, policy development and implementation, functions of management, and laws and taxes that affect business. Students apply the skills they are learning in this course to their Supervised Agricultural Experience projects and are encouraged to participate in the activities of the FFA organization. This course will satisfy the Illinois state requirement for consumer education and financial literacy. Students who have met the placement requirements through Sauk Valley Community College may take the course for dual credit.

**Ag Mech and Tech 1**

Two Semesters

1.0 credit

Prerequisite: Introduction to Agriculture Industry or Agricultural Construction and Technology; or Teacher Recommendation  
Open to Grades 10–12

This course is an intensive, fast-paced, hands-on course in the field of metal fabrication and small gas engines. Areas of instruction will include oxygen-acetylene cutting, plasma arc cutting, oxygen-acetylene welding, shielded metal arc welding, and metal inert gas welding. The second semester will consist of power machinery applications, which will cover parts of small gas engines, functions of working components, safety, internal combustion engines, torque, and efficiency of power machines. Students with interest in the moving parts of our society will find this course very interesting. Students will be required to work on small engines, solve problems, troubleshoot and repair engines in need of maintenance. Students are required to do a hands-on engine maintenance project with teacher approval.

**Pre-Veterinary Studies 1**

One Semester

0.5 credit

**(Animal Science & Behavior) (Skill Development)**

Prerequisite: Introduction to Agriculture Industry or Agricultural Construction and Technology  
Open to Grades 10-12

The Pre-Veterinary Studies 1 course exposes students to agriculture, animal science, and related career options. Students will have experiences in various animal science concepts with hands-on activities, projects, and problems. Students' experiences will involve the study of animal anatomy, physiology, behavior, nutrition, reproduction, health, selection, and marketing. Throughout the course, students will consider the perceptions and preferences of individuals within local, regional, and world markets. Students will explore animal science specialists, such as veterinarians, zoologists, livestock producers, and industry personnel. In addition, students will understand specific connections between animal science lessons and Supervised Agricultural Experience and FFA components that are important for the development of an informed agricultural education student.

**Pre-Veterinary Studies 2**

One Semester

0.5 credit

**(Small Animal Care and Management) (Skill Development)**

Prerequisite: Introduction to Agriculture Industry or Agricultural Construction and Technology  
Open to Grades 10-12

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. Career exploration will focus on veterinarian, veterinary lab technicians, office lab assistant, small animal production, research lab assistant, and animal nutrition lab technician. Improving computer and workplace skills will be a focus. Participation in the 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.

**Ag Issues and Leadership**

One Semester

0.5 credit

Prerequisite: Introduction to Agriculture Industry or Agricultural Construction and Technology

Open to Grades 10-12

In this forum style class, students will discuss relevant issues to the Agriculture industry. Taking a leadership role in FFA and community activities will be a focus. Class discussions will be reinforced using local experts and legislators to provide input on topics in their areas of expertise. Students will analyze current agricultural issues, determine how they affect people on all sides of the issue and enhance their written and oral communication skills by presenting their views and opinions to the class through debates, speeches, and interviews in order to be effective leaders in today's society. Students will gain the knowledge and leadership experiences to help them to become successful in life and in the workplace; thus, enhancing their potential for leadership development, personal growth, and career success. 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. This course will satisfy the graduation requirement for Leadership.

**Natural Resources and Conservation**

One Semester

0.5 Credit

Prerequisite: None

Open to Grades 10-12

In this class students will take an in depth looks at natural resources in Illinois. Topics will include hunting, fishing, and recreational safety, as well as resource management and stewardship.

**Food Science Technology**

One Semester

0.5 Credit

Prerequisite: None

Open to Grades 10-12

This course provides learning experiences in food science and safety which allow students to apply scientific knowledge and processes to practices used in the development and preservation of food products. Issues of food science and safety are examined from a scientific and technological perspective. Students critically analyze information to evaluate and draw conclusions on the appropriate use of technology to implement food science and safety practices. Units of instruction include: principles of food preservation, food processing, biochemistry of foods, and food selection and consumer health. Careers to be examined include meat inspector, quality control technician, food processor, and sanitation supervisor. Students will use scientific and technological information about food science and safety as a part of developing career plans and personal viewpoints on societal issues concerning the development and preservation of food products. 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.

**Agricultural Construction and Technology**

Two Semesters

1.0 Credit

Prerequisite: None

Open to Grades 9-12

This advanced course focuses on the knowledge, hands-on skills, and workplace skills applicable to construction in the agricultural industry. Major units of instruction include: personal safety, hand tools, power tools, blueprint reading, surveying, construction skills in carpentry, plumbing, electricity, concrete, block laying, drywall and painting. Careers such as agricultural engineers, carpenter, plumber, electrician, concrete and block layers, finishers, safety specialists, and other related occupations will be examined. Improving workplace and computer 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.

**Horticulture**

One Semester

0.5 credit

Prerequisite: None

Open to Grades 10-12

The Horticulture course provides a foundation of plant science knowledge and skills. Through hands-on activities, students will experience various plant science concepts and study plant anatomy and physiology, classification, and the fundamentals of production and harvesting. Students will learn how to apply scientific knowledge and skills to use plants effectively for agronomic, forestry, and horticultural industries. Students will discover the value of plant production and its impact on the individual, the local, and the global economy. Students will work on major projects and problems similar to those that plant science specialists, such as horticulturalists, agronomists, greenhouse and nursery managers, and plant research specialists, face in their respective careers. Students will understand specific connections between the course's lesson and Supervised Agricultural Experience and FFA components of agricultural education programs.

**Agronomy**

One Semester

0.5 credit

Prerequisite: Introduction to Agriculture Industry

Open to Grades 11-12

This course is designed to provide students with the knowledge and skills necessary for future employment in the agronomy or related industries. Major units of instruction include scientific method, cellular biology, genetics, biotechnology, soil classifications, soil erosion and management, soil fertility, plant classification, plant anatomy and physiology, plant propagation, plant growth, integrated pest management, grain, oil, forage, sugar, and fiber crop production methods, grain quality, grain storage, and grain transportation. Applied science and math skills and concepts will be stressed throughout the course as they relate to each area. 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. Through this class, students will be encouraged to obtain their Pesticide Applicator's License.

## RESOURCE DEPARTMENT

**RR English 1** Two Semesters 1.0 credit  
Prerequisite: None  
Open to Grades 9-12 (Referral)

RR English 1 is an introductory class to literature and writing. This class follows the same curriculum as English 1 while focusing on the student's improvement of essential life skills of reading, writing, listening, and speaking. Students will work individually and as a group. Teaching format includes small group learning, reading aloud, discussion, lecture, cooperative learning, and independent learning with teacher assistance.

**RR English 2** Two Semesters 1.0 credit  
Prerequisite: None  
Open to Grades 9-12 (Referral)

RR English 2 picks up where RR English 1 leaves off. This class follows the same curriculum as English 2. This class aims to increase writing skills by improving grammar, usage, and mechanics.

**RR English 3** Two Semesters 1.0 credit  
Prerequisite: None  
Open to Grades 9-12 (Referral)

RR English 3 examines the development of American literature through a historical perspective. This class will follow the same curriculum as English 3 and will continue to emphasize the development of critical thinking skills and written language.

**RR English 4** Two Semesters 1.0 credit  
Prerequisite: None  
Open to Grades 9-12 (Referral)

RR English 4 follows the same curriculum as English 4 and includes the study of British literature. This class will culminate all the skills from the past 3 years to prepare students for the transition from high school.

**RR Reading** Two Semesters 1.0 credit  
Prerequisite: None  
Open to Grades 9-12 (Referral)

The RR reading program will directly teach students how to accurately decode words. We will be using a program that will place the emphasis on phonics and systematic decoding techniques. The program will also include literature, writing, and grammar. The teaching format will include independent and small group instruction.

**RR Public Speaking** One Semester 0.5 credit  
Prerequisite: 1 Year of English  
Open to Grades 10-12 (Referral)

Instruction is given in the art of public speaking. Emphasis is placed on communication and

listening in the workplace. Students prepare and deliver speeches that vary from informational to persuasive and entertaining. Each student's semester composite grade includes speeches, tests and mock job interviews. The teaching format is lecture, research, modeling, and learning with teacher assistance.

**RR Communication Skills** One Semester 0.5 credit  
Prerequisite: None  
Open to Grades 9 -12 (Referral)

This course will help the students learn personal responsibility for their learning. Organization, time management, listening for meaning and study habit will all be topics covered in this course. This course will also focus on character building and how to succeed in school. The course will consist of units on self-esteem, stress, empathy, and other social skills.

**RR Math** Two Semesters 1.0 credit  
Prerequisite: None  
Open to Grades 9-12 (Referral)

The goal of RR Math is to improve student's ability to work problems in addition, subtraction, multiplication, division, decimals, fractions, percents, and money. Emphasis is placed on problems dealing with time, units of measure, and energy problems. The students work individually in books at appropriate grade levels with teacher assistance. Teaching format includes small group learning, reading aloud, discussion, lecture, cooperative learning, and independent learning with teacher assistance.

**RR General Math** Two Semesters 1.0 credit  
Prerequisite: None  
Open to Grades 9-12 (Referral)

This course is designed for students who have not yet mastered basic math concepts and need to strengthen basic arithmetic and problem solving skills. Students will gain the fundamental knowledge needed to cope with complex options of being a consumer in the marketplace, on the job, at home, and at play. Students would continue on to RR Algebra.

**RR Algebra** Two Semesters 1.0 credit  
Prerequisite: None  
Open to Grades 9-12 (Referral)

This class introduces the students to topics of algebraic notations, integer operations, equation, inequality solving, and beginning graphing of functions. Students who successfully complete this class would be recommended to continue with RR Algebra IA or Math I sequence of Math classes.

**RR Algebra 1A** Two Semesters 1.0 credit  
Prerequisite: None  
Open to Grades 9-12 (Referral)

This class continues working with topics of algebraic notations, integer operations, equations, and inequality solving, and graphing of functions. Students who successfully complete this class would be recommended to continue with Math 1 sequences of Math classes, teaching format includes small groups learning, discussion lecture cooperative learning and independent learning with teacher assistance.



**RR Geometry** Two Semesters 1.0 credit  
Prerequisite: RR Algebra or RR Algebra 1A  
Open to Grades 9-12 (Referral)

This course emphasizes and focuses primarily on geometric concepts like line segments, angles, parallel and perpendicular lines, triangles, circles, squares and rectangles, and constructions. The students will develop problem solving skills, and use their algebra skills in geometric situations.

**RR Earth Science** Two Semesters 1.0 credit  
Prerequisite: None  
Open to Grades 9-10 (Referral)

This is a basic level class in which the primary concepts of earth science are studied. The students work individually in books at appropriate grade levels with teacher assistance. Teaching format includes small group learning, reading aloud, discussion, lecture, cooperative learning, and independent learning with teacher assistance.

**RR Biology** Two Semesters 1.0 credit  
Prerequisite: None  
Open to Grades 9-10 (Referral)

This course emphasizes the study of living things. The students work individually in books at appropriate grade levels with teacher assistance. Teaching format includes small group learning, reading aloud, discussion, lecture, cooperative learning, and independent learning with teacher assistance.

**RR Physical Science** Two Semesters 1.0 credit  
Prerequisite: None  
Open to Grades 11-12 (Referral)

RR Physical Science is the study of the things around you. It deals with matter and energy. Teaching format includes small group learning, reading aloud, discussion, lecture, cooperative learning, and independent learning with teacher assistance.

**RR Health** One Semester 0.5 credit  
Prerequisite: None  
Open to Grades 9-12 (Referral)

The goal in the RR Health course is to develop the attitudes and behavior necessary for physical, personal, mental, and social well-being. Topics covered are human growth, nutrition, grooming, physical fitness, disease, AIDS, community health, hygiene, safety and first aid, alcohol, drugs, tobacco, family living and sex education, and self-esteem. Teaching format includes small group learning, reading aloud, discussion, lecture, cooperative learning, and independent learning with teacher assistance.

**RR Civics** One Semester 0.5 credit  
Prerequisite: None  
Open to Grade 12 (Referral)

RR Civics is a senior course, and its focus is our Constitution, the three major branches of our federal government, the Declaration of Independence, state and city government, and citizen responsibilities. Completion of the class by passing the State and Federal Constitution tests is a requirement for graduation. Teaching format includes small group learning, reading aloud, discussion, lecture, cooperative learning, and independent learning with teacher assistance.

**RR American History I** Two Semesters 1.0 credit  
Prerequisite: None  
Open to Grade 11 (Referral)

RR American History I focus on persons, events, and values that are basic to American citizenship. This course will cover events from the Explorers to the Industrial Age. Teaching format includes small group learning, reading aloud, discussion, lecture, cooperative learning, and independent learning with teacher assistance.

**RR American History II** One Semester 0.5 credit  
Prerequisite: RR American History I  
Open to Grade 12 (Referral)

This course is a continuation of American History I. Topics covered include material from World War II to the present day.

**RR World History** Two Semesters 1.0 credit  
Prerequisite: None  
Open to Grade 10 (Referral)

Content highlights in RR World History include the ancient world, two thousand years of change, the growth of nations, and ideas, revolutions, a changing world, nationalism, World War II, the years after the War, and the world today.

**RR Social Studies 1** One Semester 0.5 credit  
Prerequisite: None  
Open to Grades 9-12 (Referral)

This course deals with the people, the land, and the resources of the United States. Students will learn the tools of geography by using maps, graphs, and tables. Students will study the five theses of geography—location, place, interaction, movement, and region. Books and materials are at individual grade level. Teaching format includes small group learning, reading aloud, discussion, lecture, cooperative learning, and independent learning with teacher assistance.

**RR Social Studies 2** One Semester 0.5 credit  
Prerequisite: None  
Open to Grades 9-12 (Referral)

This course is a continuation of RR Social Studies I studying the countries of the United States and Canada, Latin America, Africa, the Middle East, Western Europe, Russia and Eastern Europe, Central and East Asia, South and Southeast Asia, and the South Pacific. Teaching format includes small group learning, reading aloud, discussion, lecture, cooperative learning, and independent learning with teacher assistance.

**RR Consumer Education** One Semester 0.5 credit  
Prerequisite: None  
Open to Grades 11-12 (Referral)

Topics covered in this course include insurance, consumer credit, budgeting and money management, banking, liabilities and assets, and the purchase of life necessities. Teaching format includes small group learning, reading aloud, discussion, lecture, cooperative learning, and independent learning with teacher assistance.

**RR Work** One Semester 0.5 credit  
Prerequisite: None  
Open to Grades 10-12 (Referral)

Job stations and the amount of credit will be arranged between the Resource Room teacher, the administration, the employer, and the parent.

**RR Independent Living** One Semester 0.5 credit  
Prerequisite: None  
Open to Grades 9-10 (Referral)

This course is highly recommended for students with two or more resource room classes. The purpose of this course is to prepare students to live independently after graduation from High School. The student will learn to survive in the world of adult responsibilities. Topics covered will include goal setting, health and safety, getting and keeping a job, handling money, independent living, and good citizenship.

**RR Study Skills** Two Semesters 1.0 credit  
Prerequisite: Teacher Recommendation  
Open to Grades 9-12 (Referral)

The goal of this class is to develop the skills needed to successfully complete assignments, learn how to study for tests, read for comprehension and improve sentence structure and paragraph development.

**RR Careers** One Semester 0.5 credit  
Prerequisite: None  
Open to Grades 11-12 (Referral)

The purpose of this course is to enable students to obtain and successfully keep employment during school and after graduation. Major topics include preparing to become a worker, communication, adult responsibilities, job applications, resumes, decision-making skills and job behavior skills.

**RR Art** Two Semesters 1.0 Credit  
Prerequisite: None  
Open to Grades 11-12 (Referral)

Students are introduced to the language of the visual arts through the framework of the Elements and Principles of Design (line, shape, form, value, space, texture and color) & (emphasis, rhythm, movement, unity, pattern, balance and contrast). Students will learn pencil drawings, use of linear perspective, basic color mixing, a acrylic and watercolor painting

techniques and oil pastels. Historical and contemporary artists and styles will be incorporated into projects in order to provide cultural understanding and context.

**RR 3D Art**

Two Semesters

1.0 Credit

Prerequisite: None

Open to Grades 11-12 (Referral)

This art course deals with art in its 3-Dimensional form. A variety of mediums will be explored, which may include textiles, ceramics, paper mache', wire sculpture...and more! Students will participate in a wide range of experiences using additive or subtractive sculptural techniques designed to build artistic and creative confidence. An appreciation for art from various cultures will be developed.

**Life Skills**

Two Semesters

1.0 credit

Prerequisite: None

Open to Grades 9-12 (Referral)

The life skills program combines classroom instruction using the Unique Learning System curriculum with experiences in the community and school. Students are exposed to opportunities for cooking, cleaning, laundry, money management, field trips, office work (like shredding and copying) as well as curriculum that addresses everyday life skills- i.e. calendar, money, time management, writing personal information, and reading current events. Students in the life skills program also help out with Sweet Treats which is a program where students make and sell coffee and treats to staff members and other students.

**WHITESIDE AREA CAREER CENTER**

Criteria for attendance at WACC include:

1. Must be a junior or senior in good standing at Bureau Valley High School.
2. No more than nine (9) excused absences during the previous year.
3. Seniors must have earned twenty-two (22) credits the previous three (3) years. Juniors must have earned (15) credits the previous two years.
4. Registration for WACC must be made in the spring. No fall registration will be allowed unless student transfers in or extreme circumstances exist.
5. Must meet all course prerequisites at WACC and meet all graduation course requirements at BVHS.
6. Disruptive behavior at WACC may be cause for a student to be dropped with the agreement of WACC and BVHS.
7. Students wishing to drop a WACC course MUST drop in the first 4 days of the school year. Because we must pay a full year's tuition for each student attending at the beginning of the year, students must attend the full year.
8. Juniors wishing to take WACC will only be eligible if they: waive PE, and take Math Junior year and Science Senior year.
9. Written applications and/or student interviews may be required for acceptance.
10. Students will not be able to enroll in WACC their junior year if they have failed a graduation requirement and have not made up that credit by the end of their freshman and sophomore year.

**NOTE:** Most courses at the Career Center have lab/material fees which are payable to WACC. Cosmetology also carries a fee payable to Educators of Beauty. See listing at end of curriculum guide.

## 2023-2024 Whiteside Area Career Center

Any student wishing to enroll at WACC must be registered at one of the sixteen-member high schools.

**Prerequisites:** Several WACC courses list prerequisites that students must meet in order to enroll in the program.

**Recommended Student Criteria:** All WACC programs have required lab work that is a critical component of student learning and student assessment. A school wishing to enroll a student who does not meet the recommended criteria for a WACC program must participate in a scheduled meeting with WACC staff to discuss student accommodations prior to the student's enrollment.

### **Allied Health**

One-year program offered to junior and senior students that are interested in pursuing a career in various medical fields. First semester, students are in the classroom three days per week and at clinical sites two days per week. Students participate in up to three clinical sites throughout the school year. Clinical sites include, but are not limited to, hospitals, clinics, long-term care facilities, chiropractors, veterinary clinics, physical therapists, etc. Students can practice in different areas of the medical field, such as Maternal-Child Nursing, Geriatrics, Emergency Nursing, Radiology, Dental Medicine, Veterinary Science, and more. Second Semester, students will take a Phlebotomy Certification course. Students would complete the clinical portion of this class in a health care lab setting.

***3 Dual Credits with SVCC: Medical Terminology (NRS116)***

### **Potential Phlebotomy Certification**

**Prerequisites:** Students will be required to participate in an internship two days per week first semester. Therefore, a student who enrolls in Allied Health that is not a C.N.A. must be able to transport him or herself to internship sites. Students must have updated immunizations, including a flu shot and TB test, and adhere to all clinical site requirements relative to COVID mitigation, to include proof of COVID vaccination as required.

### **Automotive Technology**

One or two-year program offered to junior and senior students. First year students will be building basic repair skills such as lubrication, brakes, engine tune up, suspension, fuel injection, computer controls, electrical systems, exhaust systems, and cooling. Second year students will learn differential operation, transmissions and clutches, engine diagnostics, heating and cooling systems, and qualifying students can participate in work-based learning at various job sites in order to gain real world work experiences while going to school.

**Prerequisites:** Students who enroll in Automotive Technology II will either participate in an internship two to three days per week, or will perform an internship at WACC in the WACC Automotive shop that will require working on customers' vehicles. Any student enrolled in Automotive Technology II must have a valid Illinois Driver's license.

**Recommended Student Criteria:** Students enrolled in Automotive Technology will be required to work in an automotive shop approximately 70% of the time while at WACC. Students should be able to lift both arms above his or her head, lift 40 pounds, and be able to lower him or herself to the ground to work under a vehicle.

### **Building & Construction Trades**

One- or two-year program offered to junior and senior students. This course provides

experiences related to the construction and maintenance of residential and/or commercial buildings and related fixtures. During the year, students will spend 85% of their time at a job site constructing or remodeling a residential house or commercial building. The other 15% of the time students will be in the classroom. Instruction will include safety principles, framing, plumbing, wiring, roofing, installing insulation, dry wall, pouring concrete, landscaping, estimating materials, blueprint reading, hanging cabinets, siding, hanging doors, heating and air conditioning, masonry, and finish work. Second year students are provided the opportunity to advance their skills in the construction trades.

**Recommended Student Criteria:** Students enrolled in Building Trades will be involved in constructing or remodeling a house, and will perform work at the job site approximately 85% of the time while at WACC. Students should be able to climb an eight-foot step ladder, stand for an hour and thirty minutes, and have the strength and mobility to operate various power tools, such as nail guns, power saws, power drills, etc. Students will be working in cold weather and will need to have work boots and appropriate clothing.

### **CEO (Creating Entrepreneurial Opportunities)**

One-year course offered to juniors and seniors. It covers a wide range of business topics, such as innovative thinking strategies, product development, competitive advantages, business structure, marketing, financial strategies, record keeping, financial statements, business plan writing. Entrepreneurial thinking (out-of-the box problem solving) is utilized throughout the course. 21<sup>st</sup> Century Workforce Skills, creative and critical thinking, collaboration, and communication are emphasized throughout the year. Students experience networking and business development firsthand. This course will take place in area businesses, and includes approximately 45 tours of local industry and 50 guest speakers from all areas of business.

#### ***3 Dual Credits with SVCC: BUS 260 Entrepreneurship Principles***

**Prerequisites:** All students interested in enrolling in the WACC CEO class must complete an application available through his/her school counselor. Students will be selected by the CEO Advisory Board. Students who are selected to enroll in the CEO class must provide his or her own transportation to and from the various class meeting sites.

### **Computer Technology**

One- or two-year program open to juniors and seniors who want to work with repair, networking, configuring operating systems, programming, Microsoft software, and application development. Qualified students will acquire the skills to potentially pass the TestOut and Linux+ certifications. All first year students will start with the CIS 167 core class. In addition, the course introduces students to the formal concepts of object-oriented programming including program design, control structures, data structures and algorithms using JavaScript and other programming languages. JavaScript may also be taken as a semester long dual credit course for 3 credits.

#### ***12 Dual Credits with SVCC possible: CIS 167-A+ Certification, CIS 151-Networking Certification, CIS 250-Beginning Linux, CIS 197-Security + Certification (3 credits per course)***

**Recommended Student Criteria:** Students enrolled in Computer Technology will be required to stand, stoop, kneel, crouch and reach while performing typical computer repair work; have hand-eye coordination; handle or feel objects, tools or controls; lift and/or move objects and materials of up to 50 pounds in weight.

### **Cosmetology**

One-year program available to juniors and seniors. Students will explore several aspects of cosmetology. The curriculum includes but is not limited to: theory and practice hours in hair,

nails, skin, business basics and effective communication. This course takes place at Educators of Beauty. After completing this program, students will be considered for financial incentives that are available for students who chose to return to Educators of Beauty for their 12-month program following high school graduation.

### **Criminal Justice**

One-year program designed to train students in various aspects of law enforcement, criminal justice, and the legal system. Students will receive instruction in skills needed for careers in associated fields; e.g. police officers, prosecuting and defense attorneys, probation and parole officers, crime scene investigators, correctional officers, etc. Major objectives of the program include: history of law enforcement, constitutional law, Illinois law, courts and the legal system, communication and dispatch operations, report writing and records, criminal investigations, search and seizure, community relations, patrol functions, traffic investigations, corrections, private security operations, criminology, and other related areas. Role play scenarios are used to enhance the student's learning experiences and introduce practical experiences which might be expected in the field.

**Recommended Student Criteria:** Students enrolled in the Criminal Justice program will participate in active, police scenarios. These scenarios include, but are not limited to the following physical activity; dragging 150-pound person 10 feet, firing air guns, combat drills, and restraining potential suspects. Students should be able to pick up and carry objects weighing 25 pounds.

### **Culinary Arts**

One- or two-year program open to juniors and seniors. Students explore Culinary Arts, preparing food for a large number of consumers, and catering. Occupational skills taught include care and use of commercial equipment, food preparation, customer service, management, and nutrition. Students in this program will receive weekly hands-on experience in the WACC commercial kitchen and provide food services for the public. Food Service Sanitation Management Certification will be given to 2<sup>nd</sup> year students.

***4 Dual Credits with Kishwaukee College: Intro to Hospitality HOS 103 (3 credits);***

***Safeserve Manager Cert. HOS 113 (1 credit)*** **Recommended Student Criteria:** Students enrolled in Culinary Arts will be required to work in a commercial kitchen approximately 70% of the time. Students should be able to stand for an hour and forty-five minutes, lift 20 pounds, and have the ability to safely work around hot items, such as stoves, ovens and deep-fryers.

### **Digital Media Arts**

One- or two-year program offered to juniors and seniors. The classes are for visual and creative thinkers as well as computer geeks interested in cutting edge digital and media arts. The program offers the latest trends, techniques and technologies in the ever-evolving multimedia field. The wide variety of the curriculum provides opportunities to build skills for future success in careers as an illustrator, desktop publisher, photographer, graphic artist, digital video editor, studio staging director, film maker, computer animator, sound engineer, camera operator, web designer or other positions in the exciting and growing recording, entertainment and digital media arts and communications field. Students work at their own pace and get "hands-on" experience using state-of-the-art software, cameras, lighting, special effects, sound and broadcasting equipment. All classes begin each fall and spring semester and students take two classes per semester. Students completing a selection of eight classes (the equivalent of two years at WACC), will receive the Level I Certificate in Graphic Design from Sauk Valley Community College. Students not able to complete the certificate requirements while attending WACC are invited to enroll at Sauk Valley Community College after high school to finish the

certificate requirements if they so choose. Qualifying WACC students may earn up to 18 college credits taking the Digital Media Arts class.

**18 Dual Credits possible with SVCC: ART 100-Media Arts, ART 103-Digital Photography, ART 105-Motion Graphics, ART 107-Digital Drawing, ART 236-Film and Video, ART 238-Interactive Media Design (3 credits per course)**

### **Early Childhood Education**

One- or two-year program offered to junior and senior students. This course is designed to provide students interested in the development of children and a career involving children with a basic knowledge and understanding of children and their physical, mental, and emotional development. Broad areas of emphasis include: development of the child from conception through preschool age, the changes that take place in a mother's body, the family and its role, nutritional and emotional needs of the children, the role of parents, educational and creative activities for children, childhood illnesses, learning disabilities, and the exploration of human services and education-related careers. First year students will work on a weekly basis with children at our on-site laboratory called "Kiddie Kampus Preschool". Second year students will work with a cooperating teacher at a work-based learning site for three days a week throughout the school year. This work-based learning site could be a daycare center, home day care, preschool program, elementary school, or a location specific to a student's career interest. (i.e.: special education, speech teacher, reading specialist, social worker, child life specialist)

***Students may earn a Level 1 Gateways Certificate upon successful completion of the course.***

***1 Dual Credits available with SVCC for 2<sup>nd</sup> year students – EDU105-Clinical Experience in Elementary Education***

**Recommended Student Criteria:** Students enrolled in Early Childhood Education will be required to work in the WACC preschool with young children ages three to five years old. Students should be able to sit on the floor with the preschool children, have the dexterity to perform crafts with the children, and have the strength to restrain a child if needed for the child's safety. (For example, prevent a child from running out the door.) Students should not have a history of violent behavior. Students should have the maturity and aptitude to work with young children. For example, a student who could not be recommended for a babysitting job should not be recommended for Early Childhood Education.

### **Health Occupations-CNA**

One-year program offered to junior and senior students that are interested in pursuing a career in the medical field. Upon completion of the Illinois Department of Public Health (IDPH) requirements, the students will be eligible to take the State Certified Nursing Assistant exam at the end of the school year. The students must meet the following criteria to be successful in Health Occupations: 1) Achieve a C or better each quarter throughout the year on the coursework, 2) Be competent at the 21 skills in the laboratory and at the clinical site, 3) Have excellent attendance throughout the school year, and 4) Pass the criminal background check. Students must have an outstanding work ethic, be self-motivated, and take initiative to be successful in Health Occupations. This is a state regulated program that requires students to spend 80 hours of theory and 40 hours of clinical time working with patients.

***8 Dual Credits with SVCC: NRS101-Basic Nursing Assistant, NRS103-Advanced Nursing Assistant (4 credits per class)***

**Prerequisites:** The Health Occupations program prepares students to become a Certified Nursing Assistant. Students must have updated immunizations including a flu shot and TB test, and adhere to all clinical site requirements relative to COVID mitigation, to include proof of



COVID vaccination as required. Student must be able to lift 50 pounds as it is a state mandated CNA skill to perform a two person lift on residents who are 119 pounds or less.

### **Welding, Machining and Manufacturing Technology**

One- or two-year program offered to junior and senior students. Welding, machining, and CAD principles will be taught through hands-on experiences. Topics include:

- Welding processes - (Stick, Oxyacetylene, Mig, Tig, Plasma cutting, and OAW cutting),
- Machine operations – (Lathes, Mills, Grinders, Shear, Pipe cutters, etc.)
- AutoCAD - Computer aided drafting program
- Blueprint reading

The second year will provide the students with the opportunity to obtain advanced training on components of welding and metal fabrication.

- Welding processes – (Structural welds, Pipe welds, Flux cored welding)
- Machine operations – (CNC and manual Machining)
- Inventor - Computer aided drafting program
- Product design and development
- Internship at manufacturing site

***10 Dual Credits with SVCC: IND 106-Intro to Welding, IND 108-Intro to CAD, IND125-Machining and Manufacturing Processes, IND203-Advanced Machining and Manufacturing Processes (2 credits each for IND 106 and IND 108; 3 credits each for IND 125 and IND 203)***

**Recommended Student Criteria:** Students enrolled in Welding and Manufacturing Technology will be required to work in a machine/welding shop approximately 75% of the time while at WACC. Students must be able to work in the confines of a welding booth (3'x 4'), have the ability to lift 40 pounds, must be able to stand for an hour and forty-five minutes, and must have the strength and mobility to operate machines such as lathes, grinders, and welding torches.

**Prerequisites:** Welding 2 students will be required to participate in an internship four days per week during second semester. Therefore, students that enroll in Welding 2 must be able to transport him or herself to various internship sites.