

# **WEST CENTRAL HIGH SCHOOL** **STUDENT CURRICULUM HANDBOOK**

**2017-2018**

## **FORWARD**

This curriculum handbook has been prepared for you and your parents to help you become better acquainted with West Central High School and its educational program. In addition to regular course offerings West Central High School has various additional educational opportunities for qualified and/or special situation students. Students may request course work at Carl Sandburg College, Southeastern Community College or at other colleges in special circumstances. Most of these opportunities are available only to upper classmen, but some are available to all grade levels. Interested students should contact the guidance counselor for information, course descriptions, and application requirements and procedures.

## **INTRODUCTION**

This course description booklet is the most valuable tool we can provide toward helping you make sound decisions concerning your educational program. These decisions can and do have far reaching consequences involving your future lifestyle. In short, registration for courses is serious business. You need to make certain that you have all the necessary information to make intelligent choices.

We believe that a strong background in all academic disciplines provides the best education possible for the high school student. Such a liberal arts program will keep many options open and provide for a complete general education regardless of career choices.

If college is part of your future plans, then make certain you have received the academic requirements for various universities. You will need to plan for some of these early in your high school years.

*This handbook is not intended to create a contractual relationship with the student; rather, it is intended to describe course offerings and provide guidance in course selection toward graduation requirements.*

## **ACADEMIC POLICIES**

**Six** subjects plus PE shall be considered the normal amount of work carried for graduation. No less than the normal load can be carried without special permission.

## **TRADITIONAL COURSE LOAD**

Traditional scheduling requires all students take seven courses each semester or 6 courses and one study hall. Seniors wishing alternative scheduling from one of the class periods need to gain permission from the principal, counselor and parent. Considerations will be given to each request on the basis of student's academic ability, scheduling and career plans.

## **DUAL CREDIT COURSES**

Students who are interested in taking college courses during their junior and senior year at West Central High School must receive permission from the high school counselor and high school principal. Specific rules, restrictions, and regulations pertaining to these courses are available through the guidance office. Students can earn high school credit as well as college credit. Students are responsible for cost of class, which includes tuition and books. Students must be 16 years of age to take courses for dual credit. A complete catalog of these courses is included at the end of the curriculum guide for your convenience.

## **EDUCATIONAL PLANNING**

This handbook is for students and parents. Each year students should seriously consider their educational career goals and develop a program of study to work toward those goals. In planning for the school year, students and parents should consider:

1. Do the courses meet graduation requirements?
2. Do the courses meet the student's needs for anticipated college or career choices?
3. Do the courses match the student's ability and expand or develop college or career choices?

This handbook will help students and parents plan a high school program based on these selected goals. Parents are requested to be actively involved with their student in selecting an appropriate program of courses for the coming year by:

1. Reading and discussing this handbook with their student.
2. Reviewing the progress reports and student report cards.
3. Discussing appropriate course selection with the student's current teachers and counselor.

If any questions arise, do not hesitate to contact your principal, counselor, or teachers. Planning a high school education is something that requires effort. Don't just let it "happen".

## **COLLEGE PREP CURRICULUM**

Many high school students are uncertain about attending college, and in fact, don't make that decision until their junior or senior year. We recommend that undecided students follow a college prep curriculum, which keeps the college option available, should they later decide to attend.

Most state universities have adopted a minimum course requirement plan for incoming freshmen. If you have not completed the minimum college prep courses listed below, you may not be eligible for acceptance at some colleges, you may have to make up the deficiency in college or at a community college, and you will be unprepared for either the ACT or SAT tests. Generally accepted guidelines for admission to most colleges and universities include the following:

- 4 years of English (emphasizing written and oral communications and literature)
- 4 years of Mathematics (Math A, Math B, Math C, Trigonometry, Calculus)
- 4 years of Science (Laboratory sciences including biology and chemistry)
- 4 years of Social Science (emphasizing history and government, and includes psychology)
- 3 years of Foreign Language (the same language)
- 2 years of Music, Art, and/or Vocational (business, home economics, industrial tech, agriculture) courses

A combination of class rank and college entrance examinations, (e.g. the ACT) is used to determine most admission requirements for colleges and universities. Colleges may vary in their entrance requirements, but the above listed academic credits will help students become admitted to the majority of four-year colleges.

## **SELECTING A COLLEGE OR UNIVERSITY**

When selecting a college or university, keep the following in mind:

1. Apply early, generally during the fall of your senior year. Applying to a school does not commit you to attending that school. You may apply to as many schools as you would like, even be accepted for admission to many schools, but the final decision of where to attend is completely up to you. Keep in mind, however, that many schools have non-refundable application fees.
2. Understand that due to the need to apply early, class rank, grade point average, and test scores for the *initial* applications are based upon only the freshman, sophomore, and junior years. Some schools delay admission until after a student's seventh or even eighth semester; therefore, each school year is important.
3. Know your scholastic ability. Are you capable of meeting the academic standards of a particular school?
4. Have a general idea of your career plans. Most universities expect you to apply for a particular course of study.
5. Know how much you and/or your family can spend, and whether you will need financial aid and/or a job. Talk with representatives from the Financial Aid Office to determine the amount and type of aid programs available.
6. Gather information. Visit several campuses, and determine your preference to size, location, housing, co-education, and religious affiliation.
7. Determine your interest in living at home or away.
8. Weigh your desire for certain extra-curricular activities.
9. Ascertain the strength of a college's offering in your field of interest.
10. Ascertain what percent of graduates are employed in their chosen field or study within a year of graduation.
11. If you are selecting a junior college or plan to use courses from one school to transfer to another, make sure that the courses are transferable in your study program. In general, courses with grades of "C" or better transfer; however, not all courses apply to your specific program requirements. The school you plan to transfer to should verify whether transfer courses qualify for your program.

## **CARL SANDBURG COLLEGE**

Public two-year institutions are normally open to all graduates of a recognized high school. Carl Sandburg College, the community college serving our school district, is one of these institutions and has the following functions:

1. It provides college transfer courses and programs designed to meet individual educational goals or the goals of students who wish to pursue education beyond the community college.
2. It provides vocational-technical courses and programs designed to meet individual and/or community objectives for job upgrading or career advancement.
3. It provides courses and programs designed to meet general education and/or special needs of students.
4. Open admission policy means that if you are a resident of Carl Sandburg College District and you make application, you must be admitted.

## **SOUTHEASTERN COMMUNITY COLLEGE AGREEMENT**

Carl Sandburg College has an agreement with the Southeastern Community College (West Burlington and Keokuk, Iowa) that allows residents in the western portion of the Carl Sandburg district to attend SCC. However, out of state tuition rates do apply. The requirements for taking advantage of this opportunity are:

1. Students must be enrolled in a program, as opposed to taking occasional courses. Program choices are limited to associate in Arts, Associate in Science, Associate in Applied Science, and Certificate programs. For specific program limitations, see the Sandburg catalog in the library.
2. Except for the nursing program, Carl Sandburg College handles admission procedures and records.
3. Tuition for all programs is paid to Carl Sandburg College.
4. Diplomas and Certificates for all programs are granted by the appropriate institution.

## **VOCATIONAL EDUCATION AND SCHOOLING**

Not all students desire or need to attend a four-year college or university. However, most students need training beyond that of the high school diploma in order to qualify for many jobs in today's changing workplace. Vocational Education helps develop skills, attitudes, abilities, and work habits. This knowledge leads to gainful and productive employment. A prime objective of a vocational education program is the development of a curriculum best fitting the needs of the student and the industrial labor market.

This objective is refined to include the following specific areas of growth:

1. Development of a student's skills to gainful employment level.
2. Development of related theories of the vocational areas in which the student is participating.
3. Developing abilities, attitudes, and knowledge by which the student will be able to adjust to gainful employment.
4. Developing student's knowledge in the complexity, skills, and mobility of industry.
5. Developing work habits, such as accuracy, cooperation, dependability, and initiative, which are necessary for advancement in employment.

## **SELECTING A VOCATIONAL SCHOOL**

When selecting a vocational school, keep the following in mind:

1. The Illinois Office of Education (or appropriate state agency for out of state schools) must approve the school and its agents.
2. The school must have the proper accrediting credentials.
3. Study the school catalog for information relating to curriculum and course study.
4. Visit the school to personally view the building, facilities, and activities; observe classes.
5. Employers within the community can make suggestions.
6. If you are considering more than one school, compare programs and costs.
7. When enrolling or signing a contract, be sure you understand the terms of the agreement or contract.

## **COLLEGE VISITS**

**Seniors** may take two extra "excused" counselor approved college visits per year.

**Juniors** may take one extra "excused" counselor- approved college visits per year.

## **GRADUATION REQUIREMENTS**

**25 credits required for all grade levels.**

<u>Class of 2018</u>		<u>Class of 2019</u>	
English	4.0 credits	English	4.0 credits
Mathematics	3.0 credits	Mathematics	3.0 credits
Science	3.0 credits	Science	3.0 credits
Social Science	3.0 credits	Social Science	3.0 credits
Humanities/Vocational	1.0 credit	Humanities/Vocational	1.0 credit
Health Education	0.5 credit	Health Education	0.5 credit
Driver Education	0.5 credit	Driver Education	0.5 credit
Consumer Education	0.5 credit	Consumer Education	0.5 credit
Physical Education	4.0 credits	Physical Education	4.0 credits
Electives	5.5 credits	Electives	5.5 credits
<b>Total</b>	<b>25 credits</b>	<b>Total</b>	<b>25 credits</b>

  

<u>Class of 2020</u>		<u>Class of 2021</u>	
English	4.0 credits	English	4.0 credits
Mathematics	3.0 credits	Mathematics	3.0 credits
Science	3.0 credits	Science	3.0 credits
Social Science	3.0 credits	Social Science	3.0 credits
Humanities/Vocational	1.0 credit	Humanities/Vocational	1.0 credit
Health Education	0.5 credit	Health Education	0.5 credit
Driver Education	0.5 credit	Driver Education	0.5 credit
Consumer Education	0.5 credit	Consumer Education	0.5 credit
Physical Education	4.0 credits	Physical Education	4.0 credits
Electives	5.5 credits	Electives	5.5 credits
<b>Total</b>	<b>25 credits</b>	<b>Total</b>	<b>25 credits</b>

## **EXPLANATIONS**

- English credits must include regular English 1, 2, and 3.
- One math credit must be Math A, Math B and Math C
- One science credit must be a Biological Science, one science credit must be Physical Science
- One social science credit must be United States History. (The Constitution and Flag exams must be passed.)
- One half social science credit must be Civics.
- Humanities classes are art, foreign language, music, or vocational.
- Consumer education credit may be earned through passing an optional state proficiency exam. Only graduation credit will be given for the proficiency exam.
- All sophomores must enroll in classroom driver education with successful completion. All sophomore students that pass the state driving exam and vision screening (20/40) will receive their white slip. In addition, each student must pass 30 hours of classroom, 6 hours of driving with the instructor, and document 50 hours of driving with a parent/guardian.
- All students must successfully pass a written examination on the Declaration of Independence, the United States Constitution, the Illinois State Constitution, the proper use and display of the American Flag, the methods of voting at election by means of the Australian system, and the method of casting votes for candidates.
- The Study Skills class is a required class offered the opposite quarter of Drivers Education. (ex. Student has 1<sup>st</sup> quarter Drivers Education classroom, they will have 2<sup>nd</sup> quarter Study Skills course during the same class period) this is a 9 week course where study strategies, methods are the primary focus.
- A student enrolled in a correspondence course may receive high school credit for work completed provided:
  1. The course is given by an institution accredited by the North Central Assoc. of Colleges and Secondary Schools
  2. The student is a fourth or fifth year senior
  3. The student assumes responsibility for all fees
  4. The High School Principal approves the course in advance
  5. A maximum of 2 units of credit may be counted toward the requirements for a student's high school graduation.
- A student in grades 11-12, unless otherwise stated, may request the Building Principal to be excused from Physical Education courses for the following reasons:
  1. Enrollment in academic classes that are required for admission to an institution of higher learning; or
  2. Enrollment in academic classes that is required for graduation from high school, provided that failure to take such classes will result in the pupil being unable to graduate.
  3. If the student must use the time set aside for Physical Education to receive special education support and services, subject to the student's Individualized Education Plan (IEP)

## **GRADING SCALE**

A	=	4.00
A-	=	3.66
B+	=	3.33
B	=	3.00
B-	=	2.66
C+	=	2.33
C	=	2.00
C-	=	1.66
D+	=	1.33
D	=	1.00
D-	=	.66
F	=	0.00

## **HONOR ROLL - FACULTY LIST**

Two honor rolls are established following each grading period and semester. The grade point averages required for attaining a particular honor roll are as follows:

Faculty List	GPA of 3.600 to 4.000
Honor Roll	GPA of 3.200 to 3.590

A student may not qualify for the honor roll or faculty list if he/she receives an "F" or "I" in any course as the final term grade.

## **PROGRAM RECOMMENDATIONS**

Below are listed suggested schedules for each year of your high school career. You should be sure that you register for the proper courses, and the proper number of courses. Students registering for year long courses will not be allowed to drop mid-year.

### ***COLLEGE PREP SEQUENCE***

#### **Freshman Year**

- 1) English 1
- 2) Mathematics (Math A or B, Accelerated Math A or B)
- 3) Physical Science or Accelerated Physical Science
- 4) Physical Education
- 5) Social Science (Geography)
- 6) Humanities (Foreign Language - Spanish 1)
- 7) Elective (Music or Art or Vocational)

#### **Sophomore Year**

- 1) English 2
- 2) Mathematics (Math B or Accelerated Math B or Math C)
- 3) Science - Biology or Accelerated Biology
- 4) Social Science – (Civics - ½ credit)
- 5) Driver Education/Study Skills / Health Education
- 6) Physical Education
- 7) Humanities – (Foreign Language - Spanish 2)

#### **Junior Year**

- 1) English 3
- 2) Mathematics (Math C or Pre-Calculus, Statistics, Trigonometry)
- 3) Science (Chemistry or Earth Science or Physics or Agricultural Science or BSAA Botany/Zoology, Anatomy/Physiology STEM Project)
- 4) Social Science (United States History)
- 5) Physical Education
- 6) Humanities (Foreign Language - Spanish 3)
- 7) Elective – (Music or Art or Vocational or Social Science – (World History or Modern Problems (½ credit) and 20<sup>th</sup> Century (½ credit) or Dual Credit Sociology (½ credit) or Dual Credit Psychology (½ credit)

#### **Senior Year**

- 1) English 4 or Dual Credit Writing Composition 1 (½ credit) and Dual Credit Writing Composition 2 (½ credit)
- 2) Mathematics (Calculus or Statistics, Trigonometry)
- 3) Science (Chemistry, Advanced Chemistry and/or Physics and/or Anatomy/Physiology)
- 4) Social Science (World History or Modern Problems (½ credit) or 20<sup>th</sup> Century (½ credit) or Dual Credit Sociology (½ credit) or Dual Credit Psychology (½ credit)
- 5) Humanities (Foreign Language - Spanish 4)
- 6) Physical Education
- 7) Elective (Music or Art or Vocational or Consumer Ed)

## **PROGRESS REPORTS AND REPORT CARDS**

Parents/Guardians will receive their student's report card at the end of each quarter grading period. Student's mid-term progress report will be posted on Skyward Family Access at the end of the mid-nine week grading period.

Parent's can check up-to-date academic information on Skyward Family Access online, at any time.

### ***VOCATIONAL / GENERAL STUDIES SEQUENCE***

#### **Freshman Year**

- 1) English 1
- 2) Mathematics (Math A or B)
- 3) Physical Science or Accelerated Physical Science
- 4) Physical Education
- 5) Social Science (Geography)
- 6) Elective
- 7) Elective

#### **Sophomore Year**

- 1) English 2
- 2) Mathematics (Math B or Math C)
- 3) Science - Biology or Accelerated Biology
- 4) Social Science – (Civics - ½ credit)
- 5) Driver Education/Study Skills / Health Education
- 6) Physical Education
- 7) Elective

#### **Junior Year**

- 1) English 3
- 2) Mathematics (Math B or Math C)
- 3) Science (Chemistry or Earth Science or Physics or Agricultural Science or BSAA Botany/Zoology, Anatomy/Physiology STEM Project)
- 4) Social Science (United States History)
- 5) Physical Education
- 6) Consumer Education – ½ Credit
- 7) Elective

#### **Senior Year**

- 1) English 4 or American Authors (½ credit) and World Authors (½ credit) or Film Studies or Yearbook/Journalism
- 2) Social Science (World History or Modern Problems (½ credit) and 20<sup>th</sup> Century (½ credit)
- 3) Physical Education
- 4) Elective
- 5) Elective
- 6) Elective
- 7) Elective

## **AGRICULTURE DEPARTMENT**

### **Introduction to Agriculture**

**1 credit**

**Year**

**Prerequisite:** None

**Lab Fee:** None and/or to be determined

This introductory course provides an opportunity for students to learn how the agricultural industry is organized; its major components; the economic influence of agriculture at the state, national and international levels; and the scope and types of job opportunities in the agricultural field. Concepts in animal science, plant science, soil science, horticulture, agricultural resources and agribusiness management are included. Students will be able to see the direct advantages of FFA. In addition, computer applications are introduced and students will keep a record on a supervised agricultural experience program.

### **Agricultural Science**

**1 credit**

**Year**

**Prerequisite:** Sophomore standing, Introduction to Agriculture

**Lab Fee:** None and/or to be determined

This course is designed to introduce students to the science and technology aspects of agriculture including advanced plant and animal science. Major units of instruction include soil science, fertility, and advanced crop management. Plant and animal breeding, genetics, and biotechnology are relevant applications. Math, science, and computer applications are incorporated into instruction along with hands-on training. The second semester of this course deals with the science and technology involved in agriculture and the agricultural industry. Major units of instruction include chemicals and pest management, formulation of livestock feeds and nutrition, and advanced mechanical and technological applications. A major emphasis is placed on advanced animal science knowledge and skills. A practical hands-on approach which incorporates microcomputers and lab work are included.

### **Agricultural Business Operations**

**1 credit**

**Year**

**Prerequisite:** Junior/Senior standing, Introduction to Agriculture

**Lab Fee:** None and/or to be determined

This course is designed to develop student knowledge and skills in the area of agribusiness operations. Instructional units include the organization and functions of agricultural businesses, agricultural business math, and agricultural business procedures including microcomputer applications and human relation skills, as well as sales-related duties. Another goal of this course is to increase student knowledge and skills in appropriate agricultural product and service areas. This course is designed to incorporate community agribusiness into classroom instruction. Resource persons from local agribusinesses are utilized.

### **Physical Science in Agriculture**

**1 credit**

**Year**

**Prerequisite:** Junior/Senior standing, Introduction to Agriculture, one year of science and math

**Lab Fee:** None and/or to be determine

(First Semester) Physical Science Applications in Agriculture I (PSSA I) is a course which reinforces and extends students' understanding of science and the scientific process by associating scientific principles and concepts with relevant applications in agriculture. Students will examine specific agricultural applications and processes and the underlying science principles explaining or controlling those applications. Numerous laboratory exercises and experiments will deepen students' understanding of scientific and agricultural content in this first semester course while actively involving students in the scientific process. Students can also establish a Supervised Agricultural Experience Program and participate in agricultural science activities of the FFA. This course will require the application of science & mathematics to application/processes in agriculture.

(Second Semester) Physical Science Applications in Agriculture II (PSAA II) is a course which reinforces and extends students' understanding of science and the scientific process by associating scientific principles and concepts with relevant applications in agriculture. Students will examine specific agricultural applications and processes and the underlying science principles explaining or controlling those applications. Students can also establish a Supervised Agricultural Experience Program and participate in agricultural science activities of the FFA. PSAA II is a complementary course to the PSAA I course. This class can be taken to meet science requirement for graduation.

### **Aquaculture**

**1 credit**

**Year**

**Prerequisite:** Sophomore standing, Introduction to Agriculture

**Lab Fee:** None and/or to be determined

This course is designed to develop student knowledge and skills in the area of aquacultural science & technology. Instructional units include basic studies of aquacultural species; reproduction processes, genetics, nutrition, disease prevention and health in aqua-crops; ecological balances; and environmental requirements of aquatic plants and animals. Water quality, chemical & temperature analyses will be conducted for a variety of aqua-crops. Management practices applied to fish production will be looked at. This course will teach the principles of success in aquaculture, to infuse scientific principles and recognize the importance of properly managing aquatic resources. This class will

explore the potential of aquaculture as an alternative enterprise in rural communities. You will get some hands-on experience in fish production.

**Biological Science Applications in Agriculture  
(Year – Semester 1 - Plants / Semester 2 – Animals)**

**1 credit**

**Prerequisite:** Junior/Senior standing, Introduction to Agriculture, Biology

**Lab Fee:** None and/or to be determined

This course is designed to reinforce and extend student understanding of science and the scientific process by associating scientific principles and concepts with relevant applications in agriculture. Students will examine major phases of plant growth and management in agriculture and the specific biological science concepts that govern management in agriculture decisions. Numerous laboratory exercises and experiments will deepen student understanding of scientific and agriculture content in this course while actively involving students in the process of science. This course will be valuable preparation for students planning to pursue further education, especially in agriculture or the sciences. Students not planning further schooling will find this laboratory course increases the relevance of science through the applied setting of agriculture.

Areas of study:

- 1) Initiating Plant Growth – germination, plant sensory mechanisms, enzyme action, and absorption.
- 2) Managing Plant Growth – photosynthesis, respiration, translocation, metabolism and growth regulation.

The second semester of this course is designed to reinforce and extend student understanding of science and the scientific process by associating scientific principles and concepts with relevant applications in agriculture. Students will examine major phases of animal agriculture and specific biological science concepts that govern management decisions in the animal industry. Numerous laboratory exercises and experiments will deepen student understanding of scientific and agricultural content in this course while actively involving students in the process of science. This course will be a valuable preparation for students planning to pursue further education, especially in agriculture or the sciences. Students not planning further schooling will find this laboratory course increases the relevance of science through the applied setting of agriculture. Course may be taken to meet science requirement for graduation.

**Landscape Gardener/Landscaper  
Semester**

**½ credit**

**Prerequisite:** Sophomore standing, Introduction to Agriculture

**Lab Fee:** None and/or to be determined

This course focuses on the major horticultural area of landscaping. Students will learn the fundamentals of proper landscaping through scale drawings. Students will list various pruning and planting techniques needed in establishing and maintaining indoor and outdoor plantscapes used for their aesthetic value. Students will be able to name and identify common woody and soft stem indoor and outdoor ornamental plants common to this area.

**Turf and Landscape Management  
Year**

**1 credit**

**Prerequisite:** Junior/Senior standing, Introduction to Agriculture

**Lab Fee:** None and/or to be determined

This advanced course contains two major areas of horticulture: (1) Landscaping and (2) Turf Management. Students will learn the fundamentals of proper landscaping, planting and pruning techniques needed in establishing and maintaining indoor and outdoor plantscapes used for their aesthetic value. Students will be able to name and identify common woody and soft stem ornaments along with the identification and care of common types of turf grasses used in various locations. Students will also develop an understanding of horticultural management.

**Greenhouse Production/Floral Design  
Year**

**1 credit**

**Prerequisite:** Junior/Senior standing, Introduction to Agriculture

**Lab Fee:** None and/or to be determined

This course is designed to develop knowledge and skills in the area of Floral Design. Units of study will include: Designing floral arrangements (using both fresh and dried materials); operation a flower shop; and operation of a garden center. Students will further develop their skills in business applications, advertising and marketing, and computer applications.

**Horticulture Science  
Semester**

**½ credit**

**Prerequisite:** Sophomore standing, Introduction to Agriculture, Biology

**Lab Fee:** None and/or to be determined

This course is designed to develop knowledge and skills in the areas of understanding the basic concepts of growing horticultural plants in the greenhouse and nursery settings. In addition, the identification and care of common types of woody and herbaceous ornamental will be presented. Further study includes the ability to identify the basic plant parts and their functions as they relate to the propagation and reproduction of various types of greenhouse and nursery stock. Students will become familiar with the various horticultural plant tools and equipment used and the construction and maintenance of the variety of plant growing structure used in the horticultural industry.

**Horticulture Production****1 credit****Year****Prerequisite:** Junior/Senior standing, Introduction to Agriculture**Lab Fee:** None and/or to be determined

Students in this course are expected to develop an understanding of greenhouse management and plant growth as it relates to lighting, watering, humidity control, fertilizing, and temperature which are necessary for plant growth. Also covered are the identification and uses of foliage, and flowering and bedding plants which are common to this area, along with the controlling and identification of merchandising, advertising, displaying and selling horticulture products and services.

**Natural Resources Management and Conservation****1 credit****Year****Prerequisite:** Junior/Senior standing, Introduction to Agriculture**Lab Fee:** None and/or to be determined

This course develops management and conservation skills in understanding the connection between agriculture and natural resources. Students' knowledge and skills are developed in: understanding natural resources and its importance; fish, wildlife, and forestry management and conservation; and exploring outdoor recreational enterprises. Hunting and fishing as a sport, growing and managing tree forests, and outdoor safety education will be featured. Career exploration will be discussed including park ranger, game warden, campground manager, forester, conservation officer, wildlife manager, and related occupations. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects are integral course components for leadership development, career exploration and reinforcement of academic concepts.

**Veterinary Technology****1 credit****Year****Prerequisite:** Junior/Senior standing, Introduction to Agriculture**Lab Fee:** None and/or to be determined

This course is designed to 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 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.

**ART DEPARTMENT****Art 1****1 credit****Year****Prerequisite:** None**Lab Fee:** \$25 / Subject to Change

Art 1 provides students the opportunity to gain knowledge of art principles and basic elements as well as to develop the art talent existing in each student. This introductory art course explores the basics of line, shape, value, texture, color, and design. Opportunity for concentration and development exists in various media, such as pencil, pen and ink, and acrylic paint. Additionally, the student studies various artists within specific areas of concentration.

**Art 2****1 credit****Year****Prerequisite:** Sophomore standing, Art 1**Lab Fee:** \$25 / Subject to Change

Students continue to develop the basic skills learned in Art 1. Figure and portrait studies will be rendered. New mediums, such as scratchboard, watercolor, acrylic painting, and clay sculpture are introduced and projects executed. The instructor expects more advanced skills and techniques demonstrated. Various artists will be studied as students focus on specific areas of concentration.



## **BUSINESS DEPARTMENT**

### **Consumer Education**

**½ credit**

#### **Semester**

**Prerequisite:** Junior/Senior standing (requirement for Graduation)

**Lab Fee:** None and/or to be determined

This course meets consumer education graduation requirement. The objective of this course is to provide learning experiences utilizing resources and consumer information by applying goal setting and decision-making skills. Students are able to evaluate the use of resources to meet social, physical, and psychological needs. Some of the units include: money management, learning and spending, saving and investing, types of credit, insurance, and the economy. Through practical experiences and application of consumer rights and responsibilities in the marketplace, students should be able to attain mutual goals by utilizing human resources. Students may be excused from taking a consumer education course if they successfully complete the proficiency test given on an annual basis.

This course is administered online.

## **ENGLISH DEPARTMENT**

### **English 1**

**1 credit**

#### **Year**

**Prerequisite:** None

**Lab Fee:** None and/or to be determined

This is a year-long required course that is intended to advance students' organizational, reading, writing, speaking, listening, and critical thinking skills. Students' writing includes journal (response and interpretive), essay (persuasive, expository, narrative), and a research paper. The literature features fiction, nonfiction, and drama. Emphasis will be placed on meeting state learning standards in Language Arts and improving students' writing, reading, and listening skills. Particular emphasis will be placed on vocabulary, sentence structure, informational speaking, supporting a thesis, and independent reading. Students will produce a minimum of 5 essays, 4 book reports, and a three-page research report as well as other assigned projects.

### **English 2**

**1 credit**

#### **Year**

**Prerequisite:** Passing grade in English 1

**Lab Fee:** None, but the purchase of research project supplies might be necessary

This is a year-long required course that is intended to advance students' organizational, reading, writing, speaking, listening, and critical thinking skills. Students' writing includes journal (response, interpretive, and free writing), essay (persuasive, expository, narrative), and historical or biographical research. The literature features fiction, nonfiction, drama, and poetry. Emphasis will be placed on meeting state learning standards in English and improving students' writing skills. Particular emphasis will be placed on preparing the students to take the PSAE tests in the spring of the junior year. Students will produce a minimum of 8 essays, 4 book reports, and a four-page research report as well as other assigned projects.

### **English 3**

**1 credit**

#### **Year**

**Prerequisite:** Passing grade in English 2

**Lab Fee:** None, but the purchase of research project supplies might be necessary

This is a year-long required course that is intended to develop and improve students' organizational, reading, writing, speaking, listening, and critical thinking skills. Students will study a variety of selected readings in American literature, from the colonial period through the Civil War era to modern times. Students' writing includes journal (response and interpretive), essay (persuasive, expository, narrative), and a research paper. Students will also respond to the literature through class and small group discussions and activities. Emphasis will be placed on meeting state learning standards in Language Arts and improving students' writing, reading, and listening skills. Particular emphasis will be placed on preparing the students to take the PSAE test in the spring of the junior year. Students will complete a minimum of 10 essays, 4 book reports, and a six-page research report as well as other assigned projects.

### **English 4**

**1 credit**

#### **Year**

**Prerequisite:** English 3

**Lab Fee:** None and/or to be determined

This is a year-long required course that is intended to advance students' organizational, reading, writing, speaking, listening, and critical thinking skills. Students' writing includes journal (response and interpretive), essay (persuasive, expository, narrative), and a research paper. The literature features fiction, nonfiction, drama, and poetry. Emphasis will be placed on meeting state learning standards in English and improving students' writing, reading, and listening skills. Particular emphasis will be placed on vocabulary, sentence structure, informational speaking, supporting a

thesis, and independent reading. Students will produce a minimum of 5 essays, 6 book reports, and a three-page research report as well as other assigned projects.

### **Reading Lab 9 & 10**

#### **Semester**

**Prerequisite:** Placement by PARRC test scores and teacher recommendation

**Lab Fee:** None and/or to be determined

This course is required for those students who scored below standards in English in 8<sup>th</sup> grade course work and the PARCC test. The goal of the Reading Lab is to strengthen a student's silent reading fluency and comprehension. The class incorporates the computer program Reading Plus, specific comprehension skill building activities, practice PARCC reading tests and timed readings from a variety of sources.

NOTE: Student scores will be evaluated and course will be scheduled by teacher and administration recommendation.

### **Power Reading**

**1 credit**

#### **Year**

**Prerequisite:** Placement by PARRC test scores and teacher recommendation

**Lab Fee:** None and/or to be determined

This course is required for those students who scored well below standards in Reading in 8<sup>th</sup> grade course work and on standardized testing. The goal of Power Reading is to strengthen student's basic reading and test taking skills. Class size is small so students receive individual help as needed.

NOTE: Student scores and grades will be evaluated and course will be scheduled by teacher recommendation

### **Film Studies**

**1 credit**

#### **Year**

**Prerequisite:** Senior standing

**Lab Fee:** None

The purpose of this class is to enhance student writing and analytical skills through the study of cinema. Students will be exposed to new, interesting and challenging ideas through the study of cinema. Students will learn and employ writing skills in evaluation and assessment of films. This course will combine a study of cinematic and theatrical terminology with criticism and in-depth exploration of the themes and genres within film. This course involves significant writing and various projects analyzing character, theme, tropes, cinematography etc. A permission slip must be signed by a parent before viewing films in this course.

### **Yearbook/Journalism**

**1 credit**

#### **Year**

**Prerequisite:** Junior/Senior standing and Approval of Instructor

**Lab Fee:** None or to be determined by the instructor.

The purpose of this class is twofold. One, to enhance student writing skills by researching, writing, editing, and preparing articles for local media of the upcoming events related to WCHS. Students will compose and assemble articles for the school website, local newspapers and edit and proofread all work to be submitted. Two, students will learn the proper layout and preparation and application of various computer software programs to produce a high quality yearbook. This course will combine journalistic writing skills, and computer skills needed to produce and edit the yearbook. This course involves a significant time commitment outside of school.

### **American Authors**

**½ credit**

#### **Semester**

**Prerequisite:** Sophomore/Junior/Senior standing

**Lab Fee:** None and/or to be determined, Purchase of supplementary paperback novels may be necessary.

This class exposes students to standards found in the American canon. While primarily a literature course, some writing skills will be used for evaluation of the texts. This class will explore novels by both prominent and little known authors. There is much reading involved, and a significant part of the grade is based on class discussion and participation in novel-based activities

### **World Authors**

**½ credit**

#### **Semester**

**Prerequisite:** Sophomore/Junior/Senior standing

**Lab Fee:** None and/or to be determined, Purchase of supplementary paperback novels may be necessary.

This course exposes students to standards found in world literature. While primarily a literature course, some writing skills will be used for evaluation of the texts. This class will explore novels by both prominent and little known authors. There is much reading involved, and a significant part of the grade is based on class discussion and participation in novel-based activities.

## **FAMILY AND CONSUMER SCIENCE**

### **Orientation to Family and Consumer Science**

**1 credit**

#### **Year**

**Prerequisite:** None

**Lab Fee:** \$10 / Subject to Change / Students will need to purchase supplies for sewing projects.

This course provides students opportunities to explore and develop knowledge and skills in family and consumer science as a career or for use as skills for life. The course content presents basic subject matter in the following areas: clothing and textiles, resource management, foods and nutrition, housing, furnishing and equipment, human development, interpersonal and family relationships, and introduction to the world of work. Students will apply knowledge and skills through hands-on learning in the food lab and sewing lab.

### **Clothing and Design 1**

**½ credit**

#### **Semester**

**Prerequisite:** Sophomore standing

**Lab Fee:** \$25 / Subject to Change / Students will need to purchase supplies for sewing projects.

This course is designed to provide basic knowledge and understanding of the design, development, and production of textile products. Through hands on and project based learning experience, students will discover fiber characteristics, fabric construction skills used in interior furnishings and apparel industries. This course emphasizes awareness and investigation of careers and industry trends in textiles.

### **Clothing and Design 2**

**½ credit**

#### **Semester**

**Prerequisite:** Sophomore standing, Clothing and Design 1

**Lab Fee:** \$25 / Subject to Change / Students will need to purchase supplies for sewing projects.

This project-based course focuses on the implementation and recognition of design principles in selecting, construction, altering, and remodeling textile products. Product management skills, including efficient use of time, materials, technique and tools are incorporated throughout the course. Topics include: Engineered fabric constructions, fabric and textile trends, color theory, principles, of design, fabric finishes, industry construction techniques, use of industry tools, equipment and terminology; knowledge of resources and vendors; research and evaluation of textile products for special needs populations; impacts of technology; construction, alteration and redesign skills and simple flat pattern design and recognition.

### **Foods and Nutrition 1**

**½ credit**

#### **Semester**

**Prerequisite:** Sophomore standing

**Lab Fee:** \$25 / Subject to Change

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

### **Foods and Nutrition 2**

**½ credit**

#### **Semester**

**Prerequisite:** Sophomore standing, Foods and Nutrition 1

**Lab Fee:** \$25 / Subject to Change

This course provides principles of application into the hospitality industry, including nutrition, culinary, and entrepreneur opportunities. Course content includes the following: selection, purchase, preparation, and conservation of food, dietary needs and trends regional and international cuisine, safety and sanitation and careers in food service industries. All of these concepts can be interpreted through laboratory experiences.

### **Food Service**

**1 credit**

#### **Year**

**Prerequisite:** Junior/Senior standing, Foods and Nutrition 1, Foods and Nutrition 2

**Lab Fee:** \$35 / Subject to Change

This course provides terminology, culinary math and practical experience needed for the development of culinary competencies and work place skills. Safety and sanitation instruction and classroom application will prepare students for an industry recognized sanitation exam. Classroom experiences will develop skills to work in the front of the house, back of the house and work stations. Additional content may include: event planning, customer service and relations, food service styles, baking, pastry art, hord'oeuvres and breakfast cookery. Students will be provided opportunity training experiences in commercial equipment.

**Child Development 1** ½ credit  
**Semester**  
**Prerequisite:** Junior/Senior standing  
**Lab Fee:** None and/or to be determined.

Learning experiences in this course emphasize knowledge and understanding of the principles of human growth and development. Areas of study are: prenatal development, prenatal and postnatal care of the mother, birth defects, family planning, interaction between children and family members, and the availability of community and social services in support of families. Discussion of caregiver responsibilities, exploration of job opportunities and hands-on experience is provided.

**Child Development 2** ½ credit  
**Semester**  
**Prerequisite:** Junior/Senior standing, Child Development 1  
**Lab Fee:** None and/or to be determined

Learning experiences in this course emphasize the intellectual, physical, social and emotional development of children, age one through adolescence. The course content centers around the following duty areas: applying decision-making and goal-setting skills while managing, organizing, and promoting child development by applying health principles; practicing health and safety standards for children; providing experiences which encourage children to maximize resources; encouraging human relation skills in children; and evaluation of family and career changes in relation to their impact on children. Information related to careers in childcare is incorporated throughout the course.

**Parent and Marriage** ½ credit  
**Semester**  
**Prerequisite:** Senior standing  
**Lab Fee:** None and/or to be determined

This class will cover the general areas of relationships. Focus will be placed on marriage and family living, the basic areas of living as an adult, parenting and child development.

**Housing and Living** ½ credit  
**Semester**  
**Prerequisite:** Junior/Senior standing  
**Lab Fee:** None and/or to be determined

Learning experiences are designed to provide students with the basic knowledge and skills needed to select, acquire, maintain, and manage living environments. The course content includes the following areas: locating and managing housing, using goal setting and decision making skills; evaluating living space to meet basic needs; creating and maintaining living environments; ensuring health and safety; selecting appropriate resources in creating living environments; applying housing and home management choices relating to changing family/individual and career patterns. Emphasis is placed on the application of basic principles as they relate to the environment.

## **FOREIGN LANGUAGE DEPARTMENT**

**Spanish 1** 1 credit  
**Year**  
**Prerequisite:** None  
**Lab Fee:** None and/or to be determined

Spanish 1 introduces the student to basic Spanish vocabulary and grammar. The student learns simple communication in Spanish. Grammar consists of learning the present tense, verbs and correct sentence structure. The course emphasizes oral and written language so that the student may read, write, speak and understand Spanish. There are opportunities to learn about different aspects of culture and possibly hear from guest speakers. **Recommend that students do not skip years between the Spanish sequences.**

**Spanish 2** 1 credit  
**Year**  
**Prerequisite:** Sophomore standing, Spanish 1  
**Lab Fee:** None and/or to be determined

The objective of Spanish 2 is to expand the vocabulary and grammar skills introduced in Spanish 1 and to explore the customs, history, and geography of Spanish-speaking people. Students are encouraged to experiment with Spanish recipes. Spanish 2 students will also have opportunities to have guests from other countries and to view videos on Spanish culture.

**Recommend that students do not skip years between the Spanish sequences.**

**Spanish 3** **1 credit**  
**Year**  
**Prerequisite:** Junior standing, Spanish 2  
**Lab Fee:** None and/or to be determined

Spanish 3 expands the vocabulary and skills introduced in Spanish 1 and 2. The study continues with emphasis on communication. The preterit and imperfect tenses are taught. Translation skills will improve along with reading, writing, and speaking. Students may take a field trip to view a Spanish play or concert and eat in a Spanish restaurant.

**Recommend that students do not skip years between the Spanish sequences.**

**Spanish 4** **1 credit**  
**Year**  
**Prerequisite:** Senior standing, Spanish 3  
**Lab Fee:** None and/or to be determined

The objective for Spanish 4 students is to be able to read, write, comprehend and speak the Spanish language well enough to communicate with native Spanish speakers. The Spanish 4 students should be able to test out of introductory college foreign language courses. A novel may be read, guest speakers may come in and a field trip may take place in order to enhance cultural awareness.

## **INDUSTRIAL TECHNOLOGY**

**Because safety is a critical issue, Industrial Arts is required before other classes can be taken in the Industrial Technology department. This class covers safety training on machines used in all classes of this department.**

**Industrial Arts** **1 credit**  
**Year**  
**Prerequisite:** None  
**Lab Fee:** \$20 / Subject to Change

This course orients students with no experience from basic to complex instruction in various fields of industrial training, diverse careers, and shop safety. Units covered are general safety rules, math and measurements, mechanical design in drafting, including single view, isometric, and oblique drawings, career investigation, shop procedures, and tool recognition. For each of these classes, safety is a critical issue. Seven to nine weeks are spent learning machine safety operation procedures followed by safety tests. All safety tests must be passed with 100% proficiency. Machine operations, material handling, energy utilization, conservation, technology used in building construction, and energy utilization technologies are also addressed.

**Drafting (CAD)** **½ credit**  
**Semester**  
**Prerequisite:** Sophomore standing, Industrial Arts  
**Lab Fee:** \$25 / Subject to Change

This course helps meet entry level needs in industry, construction trades, or the study of drafting, engineering, and graphic design at trade schools, junior colleges, or four year universities. Single view, isometric, oblique and multi-view with dimensioning of all drawings are required. Drawings range from the simple to the complex in design. Depth of knowledge is emphasized.

**Woodworking** **1 credit**  
**Year**  
**Prerequisite:** Sophomore standing, Industrial Arts  
**Lab Fee:** \$25 / Subject to Change / plus cost of material used on student projects

This class provides the opportunity for the student to utilize skills learned in Industrial Arts class. Woodworking further develops a depth of knowledge by construction of a project or projects using all of the necessary hand tools, power tools, and woodworking machines. The project will reflect procedures used in the construction trades.

**Electrical** **½ credit**  
**Semester**  
**Prerequisite:** Junior/Senior standing, Industrial Arts  
**Lab Fee:** \$25 / Subject to Change

This class will be directed to the student that has an interest in learning the procedures of electrical home wiring. Each individual will be involved in classroom lectures, assignments, and a lot of hands-on experience in learning the tools, electrical terms, identification of electrical supplies, plus the wiring of many types of circuits that are used in home wiring. Proper procedures will be required at all times during the class.

**Advanced Woodworking****1 credit****Year****Prerequisite:** Junior/Senior standing, Industrial Arts, Woodworking**Lab Fee:** \$25 / Subject to Change / Students will be requested to supply their own steel tape measure and tape holder, and a nail apron.

This class provides the opportunity for the student to utilize skills in one year of advanced wood projects. Woodworking further develops a depth of knowledge by construction of a project or projects using all of the necessary hand tools, power tools, and woodworking machines. The project will reflect procedures used in the construction trades.

**Small Engines****½ credit****Semester****Prerequisite:** Junior/Senior standing, Industrial Arts**Lab Fee:** None and/or to be determined

This course covers the basic concepts of mechanical energy. The course provides the students with shop experience in using measuring tools, specification, assembling and disassembling of mechanical engines. Students gain hands on experience by successfully assembling a small engine, performing various tests and measurements to meet all required engine specifications.

**Welding****½ credit****Semester****Prerequisite:** Junior/Senior standing, Industrial Arts**Lab Fee:** \$25 / Subject to Change / plus cost of welding materials, if needed

This course will introduce the properties of metal and metal fabrication. It will focus on the introductory skills, safety and proper techniques to use in the welding process. This course is designed to develop proficiency in metal preparation and cutting techniques. Emphasis will be placed upon oxyacetylene cutting and welding, arc welding, and MIG welding. TIG welding will be introduced.

**Advanced Welding****½ credit****Semester****Prerequisite:** Junior/Senior standing, Industrial Art, Welding / Must have permission of instructor**Lab Fee:** \$25 / Subject to Change / plus cost of welding materials, if needed.

This course assists students in gaining the knowledge and developing the basic skills needed to be successful in welding technology. Units of instruction include arc welding, TIG and MIG welding, metallurgy, cutting metal, using arc, plasma and oxy-gas, in addition to various types of welding, including horizontal, vertical, overhead and circular techniques. Students also explore the use of robotic and automated production welding.

**Advanced Computer Aided Drafting (CAD) - (Architectural Drawing)****1 credit****Year****Prerequisite:** Junior/Senior standing, Industrial Arts, Drafting**Lab Fee:** \$10 / Subject to Change

This course is designed for upper level computer aided drafting students to develop a set of architectural plans and to develop knowledge in the construction of residential building. A set of plans including the following; plot plans, foundation, floor, roof, elevation front, back, side, electrical, sectional and plumbing are developed by the student.

**MATHEMATICS DEPARTMENT**

Three-year Sequence of Mathematics Courses:

Math A or Accelerated Math A

Math B or Accelerated Math B

Math C or Accelerated Math C

(Pre-Calculus)

(Trigonometry)

(Calculus)

**Integrated Math A****1 credit****Year****Prerequisite:** Freshman standing**Lab Fee:** None and/or to be determined, scientific calculator is required

This course is the first of integrated and investigated mathematics program designed to use patterns, modeling and conjectures to build student understanding and competency in mathematics. The key goal is to teach students how to learn math differently than they have historically. Since this is the first year of an integrated program, students will be trained on methods of learning as well as content. The students will be expected to learn through collaboration, collection of data, experimentation, and conjectures.

Technology tools will also play an important role in learning. The students will learn mathematical sense making, make and test conjectures and justify conclusions, use mathematical models to represent real world data, be able to provide clear and concise answers, and have computational and symbolic fluency.

**Accelerated Math A** **1 credit**  
**Year**

**Prerequisite:** Freshman standing; Teacher Recommendation  
**Lab Fee:** None and/or to be determined, scientific calculator is required

This course is the first of an accelerated and investigated mathematics program designed to use patterns, modeling and conjectures to build student understanding and competency in mathematics. The key goal is to teach students how to learn math differently than they have historically. Since this is the first year of an integrated program, students will be trained on methods of learning as well as content. The students will be expected to learn through collaboration, collection of data, experimentation, and conjectures. Technology tools will also play an important role in learning. The students will learn mathematical sense making, make and test conjectures and justify conclusions, use mathematical models to represent real world data, be able to provide clear and concise answers, and have computational and symbolic fluency.

**Integrated Math B** **1 credit**  
**Year**

**Prerequisite:** Successful completion of Math A or Accelerated Math A  
**Lab Fee:** None, scientific calculator is required

Integrated Math B topics include recognizing and developing patterns using tables, graphs and equations. Mathematical modeling is stressed as a methodology for approaching the solution to problems. Students will explore operations on algebraic expressions, and apply mathematical properties to algebraic equations. Students will problem solve using equation graphs and tables and investigate linear relationships including comparing and contrasting options and decision making using algebraic models. Reinforcement of topics from two-dimensional Geometry is integrated into this curriculum. This includes applications from the areas of area and perimeter, the Pythagorean Theorem and its applications, as well as geometric proportion. Finally, introductory instruction in the area of mathematical probability is provided to reinforce use of fractions and numerical modeling. Technology will be used to introduce and expand upon the areas of study listed above.

**Accelerated Math B** **1 credit**  
**Year**

**Prerequisite:** Successful completion of Math A or Accelerated Math A; Teacher Recommendation  
**Lab Fee:** None, scientific calculator is required

Accelerated Math B topics include recognizing and developing patterns using tables, graphs and equations. Mathematical modeling is stressed as a methodology for approaching the solution to problems. Students will explore operations on algebraic expressions, and apply mathematical properties to algebraic equations. Students will problem solve using equation graphs and tables and investigate linear relationships including comparing and contrasting options and decision making using algebraic models. Reinforcement of topics from two-dimensional Geometry is integrated into this curriculum. This includes applications from the areas of area and perimeter, the Pythagorean Theorem and its applications, as well as geometric proportion. Finally, introductory instruction in the area of mathematical probability is provided to reinforce use of fractions and numerical modeling. Technology will be used to introduce and expand upon the areas of study listed above.

**Integrated Math C** **1 credit**  
**Year**

**Prerequisite:** Successful completion of Math A and Math B  
**Lab Fee:** None, scientific calculator is required

The last of a three-part college prep sequence. Students will deepen knowledge of math concepts studied in Integrated Math A and Integrated Math B. New topics will include functions, sequences and series, conic sections, graphing and logarithms. Recommendation – Students in this course should have a solid foundation in Integrated Math A and B.

**Accelerated Math C** **1 credit**  
**Year**

**Prerequisite:** B or higher in Accelerated Math B and/or Teacher Recommendation  
**Lab Fee:** None, scientific calculator is required

The last of a three-part college prep sequence. Students will deepen knowledge of math concepts studied in Integrated Math A and Integrated Math B. New topics will include functions, sequences and series, conic sections, graphing and logarithms. Students will discover deeper properties with the new topics, through proof based projects and discovery units. Students will also explore beginning properties of limits. Recommendation- Students in this course should have a solid foundation in Integrated Math A and B and a teacher recommendation.

**Math Competency** **1 credit**

**Year**

**Prerequisite:** Successful completion of Math A and Math B, Senior standing, Teacher Recommendation

**Lab Fee:** None, scientific calculator is required

Topics of study include high school mathematics content that will be included in the COMPASS and ASSETT test; topics from Pre-Algebra, Algebra I, Geometry, Algebra II, and Trigonometry. The ACT-developed COMPASS and ASSETT tests are used by many 2-year and 4-year colleges and universities for appropriate mathematics course placement. The purpose of this course is to prepare seniors for those tests and be placed in a credited 100-level mathematics course during their freshman year in college. Seniors enrolled in Calculus may NOT enroll in Mathematics Competency.

**Power Math** **1 credit**

**Year**

**Prerequisite:** **Prerequisite:** Placement by PARRC test scores and teacher recommendation

**Lab Fee:** None and/or to be determined

This course is required for those students who scored well below standards in Math in 8<sup>th</sup> grade course work and on standardized testing. The goal of Power Math is to strengthen student's basic math and test taking skills. This class covers topics students are working on in their regular math class as well as basic topics such as integer operations and solving linear equations. Class size is small so students receive individual help as needed.

NOTE: Student scores and grades will be evaluated and course will be scheduled by teacher recommendation.

**Math Lab** **¼ credit**

**Semester**

**Prerequisite:** **Prerequisite:** Placement by PARRC test scores and teacher recommendation

**Lab Fee:** None and/or to be determined

This course is required for those students who scored well below standards in Math in 8<sup>th</sup> grade course work and on standardized testing. The goal of Math Lab is to strengthen student's basic math and test taking skills. This class covers topics students are working on in their regular math class as well as basic topics such as integer operations and solving linear equations. Class size is small so students receive individual help as needed.

NOTE: Student scores will be evaluated and course will be scheduled by teacher recommendation.

**Calculus** **1 credit**

**Year**

**Prerequisite:** Successful completion of Math C, Teacher Recommendation

**Lab Fee:** None, scientific calculator is required

Topics of study include functions and their graphs, limits and their properties, differentiation, applications of differentiation, and integration. This course will prepare students for college-level Calculus.

**Statistics** **½ credit**

**Semester**

**Prerequisite:** Junior/Senior standing, Successful completion of Math B

**Lab Fee:** None, Calculator is required and a scientific calculator is recommended

This course is designed for the college bound student. Students will cover probability laws, random variables, probability distribution functions, population parameters, counting rules, statistics and sampling, estimating, hypothesis testing, regression and correlation.

**Trigonometry** **1 credit**

**Year**

**Prerequisite:** Junior/Senior standing, Successful completion of Math B

**Lab Fee:** None, Calculator is required and a scientific calculator is recommended

This course will include the following topics: trigonometric and circular functions; their inverses and graphs; relations among the parts of a triangle; trigonometric identities and equations; solutions of right and oblique triangles; and complex numbers.

**MISCELLANEOUS**

**Drivers Education** **½ credit**

**Semester**

**Prerequisite:** Sophomore priority - Student must have passed at least 8 courses during the previous two semesters. Student must be at least 15 prior to getting a driving permit.

**Lab Fee:** **\$150.00 (Subject to change)**, plus \$20.00 for instruction permit required by the state

All sophomore students that pass the state driving exam and vision screening (20/40) will receive their white slip. In addition, each student must pass 30 hours of classroom, 6 hours of driving with the instructor, and document 50 hours of driving with a parent/guardian.



**Health Education****½ credit****Semester****Prerequisite:** Sophomore standing / Required for Graduation**Lab Fee:** None and/or to be determined

This course prepares students to analyze and to change health behaviors. It also stimulates students' awareness of health choices. Learning methods that are challenging and exciting include role-plays, discussions, group and individual projects, and simulations. Health class creates an opportunity for students to define their own values, choices, and beliefs. Topics include mental health, stress, family and social health, alcohol, tobacco, drug education, and sex education.

**Physical Education****Semester****Prerequisite:** None**Lab Fee:** None - Proper clothing is required and students must pay for bowling

This course contributes to all phases of a student's personal development through a variety of activities including team and individual sports and lifetime leisure activities. The goals of physical education are: 1) to help students develop and maintain a suitable level of physical fitness, 2) to teach the skills necessary for participation in sports and leisure activities, 3) to emphasize the importance of cooperation, self-discipline, fair play, and sportsmanship, and 4) to positively contribute to self-image. Under special circumstances students may be enrolled in an alternative physical education program. **4 credits are required for graduation.**

- Students may choose which P.E. class they want for each semester when making their schedule.

**Personal Fitness****½ credit****Semester****Prerequisite:** None**Lab Fee:** None - Proper clothing is required

This course will consist of weight training, cardiovascular and personal fitness program conditioning, with emphasis on proper weight training techniques. Students will learn to follow and design specific training programs to meet their individual needs. Treadmills, elliptical machines, Aerodyne bikes and punch bags are provided. Cardio workouts, Yoga, Ty Bo, and Pilates are also available. This course will count towards Physical Education requirement.

**Cooperative Education****3 credit****Year****Prerequisite:** Senior standing**Lab Fee:** None and/or to be determined

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

**Teacher / Staff Assistant****½ credit****Year****Prerequisite:** Junior/Senior Standing, 2.5 or higher GPA, All passing grades in previous semester**Lab Fee:** None and/or to be determined

If you choose a student assistant class, you may not choose work release. Previous disciplinary action will be considered for placement in this program. You must be a role model for the students you are working with, which includes appropriate dress and behavior. Removal from the program may occur if any problems arise.

**Illinois Virtual School****Semester:** Fall/Spring**Prerequisite:** Approval of principal**Fee:** \$350.00 per semester hour

These courses are offered online and are not part of a students' regular daily schedule. The purpose of the courses is for retrieval of credits or for enrichment. These courses may not be used towards early graduation. Grades for each class will be given and will be figured in a students' GPA.

## **MUSIC DEPARTMENT**

**Band** **1 credit**  
**Year**  
**Prerequisite:** None  
**Lab Fee:** None and/or to be determined / Responsible for cost or rental of musical instrument

This course provides opportunities to achieve competency, artistry, and technical facility through the playing of a musical instrument and increases skills in musical knowledge and performances as an ensemble. Requirements are attendance at all home football games, attendance at all pep band performances, attendance at all parades and concerts, participation in contest as scheduled by the IHSA and the instructor, and attendance at any/all conference affiliated events. This class requires lesson attendance weekly, before school rehearsals as necessary, and attendance at a marching camp to be held in August prior to the beginning of the school year.

**Chorus** **1 credit**  
**Year**  
**Prerequisite:** None  
**Lab Fee:** None and/or to be determined

This course provides opportunities to train both voice and ear, while developing the ability to read music, continuously striving to present stellar public performances. Vocal singing skills will include mastering the technique of blending as well as further developing vocal ensemble choral methods and styles. Requirements for successful completion of this course are attendance at all concerts, festivals and performances, participation in IHSA/ILMEA events as determined by the instructor. Additional instruction is available to the student before or after school for individualized focus proficiency.

## **SCIENCE DEPARTMENT**

**Physical Science** **1 credit**  
**Year**  
**Prerequisite:** None  
**Lab Fee :** None and/or to be determined

Half of the Physical Science class will focus on the study of matter (Chemistry). Student will determine patterns of element properties based on positions on the Periodic Table. Course will also involve looking at chemical reactions. Student will be able to predict types of reactions based on electron configuration. The rest of the course (Physics) will focus on kinematics (describing motion) and forces that affect motion. Students will learn about Newton's laws, momentum and electrostatic forces. Student will participate in lab work throughout the year.

**Accelerated Physical Science** **1 credit**  
**Year**  
**Prerequisite:** Co-enrollment in Accelerated Math B or higher Math class, or Teacher Recommendation  
**Lab Fee:** None and/or to be determined

This class will cover the same topics as Physical Science but will include more computations and extra rigor. This class is to prepare those students intending to take a subsequent chemistry and/or physics class.

**Biology** **1 credit**  
**Year**  
**Prerequisite:** Sophomore standing and Physical Science  
**Lab Fee:** None and/or to be determined

This course provides a basic understanding of the biological processes including Cellular Structures and Functions, Cellular Chemistry, Classification of Organisms and a Survey of the 6 Kingdoms of Living Organisms. Labs are a part of this course.

**Accelerated Biology** **1 credit**  
**Year**  
**Prerequisite:** Sophomore standing and Physical Science  
**Lab Fee:** None and/or to be determined

This course will cover the same topics as Biology but will included extra rigor. This class is to prepare students to subsequent Anatomy/Physiology class. Labs are a part of this course.

**Anatomy/Physiology** **1 credit**

**Year**

**Prerequisite:** Junior/Senior standing, Biology, Advanced Biology

**Lab Fee:** None and/or to be determined

An in-depth study of the human organ systems. This is an excellent class for any student planning on a medical or medically related career.

**Earth Science** **1 credit**

**Year**

**Prerequisite:** None

**Lab Fee:** None and/or to be determined

Earth Science will look at forces, flow of energy, and matter cycles that have and will change the Earth. Plate tectonics, astronomy (Sun and life cycle of stars), the effects of water on Earth materials and surface processes will be studied. Students will look at how human activities have impacted Earth systems.

**Chemistry** **1 credit**

**Year**

**Prerequisite:** B or higher in Physical Science or teacher recommendation

**Lab Fee:** None and/or to be determined

This course covers stoichiometry, gas laws, solutions, acid/base chemistry, and nuclear chemistry. This class is recommended for students considering any science, medical, or engineering career.

**Physics** **1 credit**

**Year**

**Prerequisite:** B or higher in Physical Science, Math B or Accelerated Math B, Math C or teacher recommendation

**Lab Fee:** None and/or to be determined, Scientific calculator is required

This course covers Newton's Laws more in depth than in Physical Science. Mechanical equilibrium, energy, magnetism and electricity will be examined. This course applies algebra and trigonometry. This course is recommended for those planning to take Physics in college.

**Botany** **½ credit**

**Semester** Fall

**Prerequisite:** Biology

**Lab Fee:** None

Students will focus on the study of plants. Topics to be covered are structure and function of plant cells, tissues and organs. Also students will study concepts of biological evolution and plant classification.

**Zoology** **½ credit**

**Semester** Spring

**Prerequisite:** Biology

**Lab Fee:** None

Students will focus on the study of animals. Representative animal phyla including both invertebrates and vertebrates will be studied.

**STEM Project** **1 credit**

**Year**

**Prerequisite** Junior Standing and Teacher Recommendation

**Lab Fee** None

Students will work on problem-solving projects related to science, technology, engineering, and/or mathematics. Students must have initiative and display responsible behavior.

**SOCIAL SCIENCE DEPARTMENT**

**World Geography** **1 credit**

**Year**

**Prerequisite:** None

**Lab Fee:** None and/or to be determined

In order to develop an understanding of the interrelationships between nations, this course explores the people, cultures, and economics of the different countries of the world. Study will revolve around world geographic patterns in the interrelationship of man and his physical environment. Specific topics include: climate, landforms, weather, culture, and economic resources and patterns. Much of the course involves the study of specific countries and lifestyles, examining their uniqueness and cultural diversity. Map study will also be an important skill developed in this course.

**World History** **1 credit**  
**Year**  
**Prerequisite:** Sophomore/Junior/Senior standing  
**Lab Fee:** None and/or to be determined

World history traces time from the development of civilization to 20th Century society. Emphasis is on European development and its influence in today's world. A topical approach will be used to survey India, Japan, China, Africa, and Latin America. In-depth studies include Ancient Egypt; classical civilizations of Greece and Rome; middle Ages; Renaissance; Age of Exploration; and social, economic, and political development.

**Modern Problems** **½ credit**  
**Semester**  
**Prerequisite:** Sophomore standing  
**Lab Fee:** None or to be determined

The student explores current social, political, and cultural issues of national and international importance and their impact on society. Students follow current events through the use of various news media. Oral participation and writing skill development are elements of this course. Units include the following: urban issues, criminal justice, health care, and civil liberties, study of the media and its influence, and propaganda techniques in advertising.

**United States History** **1 credit**  
**Year**  
**Prerequisite:** Junior standing (Required for Graduation)  
**Lab Fee:** None and/or to be determined

United States History provides students with an exciting view of our nation as it developed from the pre-Columbian era to the present. Activities in the course will include unique learning techniques such as role-plays, simulation of historic events, and discussions of controversial topics such as the Vietnam War, the Holocaust, & racial problems as they have developed in the United States.

**20th Century** **½ credit**  
**Semester**  
**Prerequisite:** Junior/Senior standing, (World History and United States History recommended)  
**Lab Fee:** None and/or to be determined

Designed to help college-bound students, this course of study develops a combination of these critical skills: writing, critical thinking, and discussions. The course will cover two primary sections: war and peace (philosophy of war, World War I, World War II, Korea, and Vietnam) and social reform movements (United States social history of the 1950's to the 1970's).

**Civics** **½ credit**  
**Semester**  
**Prerequisite:** Sophomore standing (Required for Graduation)  
**Lab Fee:** None and/or to be determined

This course focuses on the theory of government as established under the United States Constitution. The structures, functions, and powers of the federal, state, and local governments are studied along with an examination of the process by which political decisions are made at the national, state, and local levels. All state requirements regarding the United States and Illinois constitutions, voting, and the American flag will be offered during the course. *This course is required to graduate. Failure to meet any of these state-mandated requirements will result in loss of credit for the course.*

## **RESOURCE DEPARTMENT COURSES**

**Physical Science** **1 credit**  
**Year**  
**Prerequisite:** None  
**Lab Fee :** None and/or to be determined

Half of the Physical Science class will focus on the study of matter (Chemistry). Student will determine patterns of element properties based on positions on the Periodic Table. Course will also involve looking at chemical reactions. The rest of the course (Physics) will focus on kinematics (describing motion) and forces that affect motion. Students will learn about Newton's law, momentum and electrostatic forces. Student will participate in lab work throughout the year.

**Biology** **1 credit**

**Year**

**Prerequisite:** IEP Placement

**Lab Fee:** None and/or to be determined

Course exposes students to a variety of basic principles about the human body, plants, animals, ecology and evolution.

**Earth Science** **1 credit**

**Year**

**Prerequisite:** IEP Placement

**Lab Fee:** None and/or to be determined

Earth Science will look at forces, flow of energy, and matter cycles that have and will change the Earth. Plate tectonics, astronomy (Sun and life cycle of stars), the effects of water on Earth materials and surface processes will be studied. Students will look at how human activities have impacted Earth systems.

**English 1** **1 credit**

**Year**

**Prerequisite:** IEP Placement

**Lab Fee:** None and/or to be determined

This course is designed to expose students to reading comprehension, vocabulary, and written and spoken survival skills that are presented at student's ability level and necessary for survival in life, work, training and leisure activities following high school.

**English 2** **1 credit**

**Year**

**Prerequisite:** IEP Placement, English 1

**Lab Fee:** None and/or to be determined

This course is designed to expose students to reading comprehension, vocabulary, and written and spoken survival skills that are presented at student's ability level and necessary for survival in life, work, training & leisure activities following high school.

**English 3** **1 credit**

**Year**

**Prerequisite:** IEP Placement, English 2

**Lab Fee:** None and/or to be determined

This course is designed to expose students to reading comprehension, vocabulary, and written and spoken survival skills that are presented at student's ability level and necessary for survival in life, work, training & leisure activities following high school.

**English 4** **1 credit**

**Year**

**Prerequisite:** IEP Placement, English 3

**Lab Fee:** None and/or to be determined

This course is designed to expose students to reading comprehension, vocabulary, and written and spoken survival skills that are presented at student's ability level and necessary for survival in life, work, training and leisure activities following high school.

**Math 1** **1 credit**

**Year**

**Prerequisite:** IEP Placement

**Lab Fee:** None and/or to be determined

Course content is designed to expose students to all basic mathematical processes, while developing student's grasp of the fundamentals necessary for daily living and practical application to future occupations.

**Math 2** **1 credit**

**Year**

**Prerequisite:** IEP Placement, Math 1

**Lab Fee:** None and/or to be determined

Course content is designed to expose students to all basic mathematical processes, while developing student's grasp of the fundamentals necessary for daily living and practical application to future occupations.

**Math 3** **1 credit**  
**Year**  
**Prerequisite:** IEP Placement, Math 2  
**Lab Fee:** None and/or to be determined

Course content is designed to expose students to all basic mathematical processes, while developing student's grasp of the fundamentals necessary for daily living and practical application to future occupations.

**Math 4** **1 credit**  
**Year**  
**Prerequisite:** IEP Placement, Math 3  
**Lab Fee:** None and/or to be determined

Course content is designed to expose students to all basic mathematical processes, while developing student's grasp of the fundamentals necessary for daily living and practical application to future occupations.

**Study Skills** **1 credit**  
**Year**  
**Prerequisite:** IEP Placement  
**Lab Fee:** None and/or to be determined

This course is designed to increase student's use of study skills necessary for success in all classes. *This course is pass/fail.*

**Consumer Education** **½ credit**  
**Semester**  
**Prerequisite:** IEP Placement, (Required for Graduation)  
**Lab Fee:** None and/or to be determined

The objective of this course is to provide learning experiences utilizing resources and consumer information by applying goal setting and decision-making skills. Some of the units include: money management, learning and spending, saving and investing, types of credit, insurance, and the economy. This course is administered online.

**United States History** **1 credit**  
**Year**  
**Prerequisite:** IEP Placement (Required for Graduation)  
**Lab Fee:** None and/or to be determined

United States History provides students with an exciting view of our nation as it developed from the pre-Columbian era to the present. Activities in the course will include unique learning techniques such as role-plays, simulation of historic events, and discussions of controversial topics such as the Vietnam War, the Holocaust, & racial problems as they have developed in the United States.

**Civics** **½ credit**  
**Semester**  
**Prerequisite:** Sophomore standing and IEP Placement (Required for Graduation)  
**Lab Fee:** None and/or to be determined

Course content covers the structures, functions, powers and processes of the federal, state and local governments. *This course is required to graduate. Failure to meet any of the state mandated requirements regarding constitution testing will result in loss of credit for the course.*

**World Geography** **1 credit**  
**Year**  
**Prerequisite:** IEP Placement  
**Lab Fee:** None and/or to be determined

In order to develop an understanding of the interrelationships between nations, this course explores the people, cultures, and economics of the different countries of the world. Study will revolve around world geographic patterns in the interrelationship of man and his physical environment. Much of the course involves the study of specific countries and lifestyles, examining their uniqueness and cultural diversity. Map study will also be an important skill developed in this course.

## COMPLETE DUAL CREDIT COURSE OFFERINGS & OFF CAMPUS COURSEWORK

Dual credit courses offer 11<sup>th</sup> and 12<sup>th</sup> grade students to receive WCHS credits and also receive College credits at CSC or in certain cases SCC. Students may choose to take a Dual Credit class as part of their daily schedule, or to take these classes independently outside the school day.

The following list outlines the current online offerings for WCHS students for the fall and spring semesters at Carl Sandburg College. With a few exceptions, classes are usually offered either fall or spring. Please check the current class schedule online at [www.sandburg.edu](http://www.sandburg.edu) by choosing "class search."

	<b><u>BUSINESS COURSE OFFERINGS</u></b>	Credits
Business	<p><b>ACC.101.151 Principles of Financial Accounting</b>            This is the first of a two course sequence designed to prepare students for a major in accounting. This course presents the following topics: concept of double-entry accounting, completing the accounting cycle, preparing financial statements, accounting for cash and charge transactions, accruals and deferrals, depreciation of physical assets, allowing for doubtful accounts, accounting for receivables and payables, inventories, payroll accounting, systems and controls, and concepts and principles.            Offered: Fall or Spring  <b>Prerequisites:</b> COMPASS reading score of 83 or higher or ACT Reading score of 20, and a COMPASS pre-algebra score of 47 or higher</p>	1/2 WCHS Credit, 3 semester hours CSC credit
Business	<p><b>ACC.102.151 Principles of Managerial Accounting</b>            This is the second of two courses in principles of accounting. During this course the basic accounting theory required for corporations, including accounting for merchandise, receivables, other assets, liabilities, and capital, will be covered. In addition, job costing, unit process costing, decision making, and statement analysis are introduced.            Offered: Spring  <b>Prerequisites:</b> Take ACC.101.</p>	1/2 WCHS Credit, 3 semester hours CSC credit
Business	<p><b>BUS.100.151 Introduction to Business</b>            This course is a comprehensive overview of business principles, practices, and trends that are influencing today's business and affecting tomorrow's competitive environment. The impact of globalization, technology, ethics, diversity, and culture, in addition to various emerging issues, is studied in application or relation to all business disciplines. This course provides a general orientation to business organizations for students who plan to pursue a bachelor's degree. Also, it is useful to individuals who desire a basic understanding of the business community for occupational or personal reasons.            Offered: Fall or Spring  <b>Prerequisite:</b> None</p>	1/2 WCHS Credit, 3 semester hours CSC credit
Business	<p><b>AOP.101.151 Keyboarding &amp; Formatting 1</b>            This is the first course for individuals who have had no significant prior instruction in keyboarding. Instruction emphasizes the concepts and techniques involved in mastering the computer keyboard, various letter styles, reports, and tables. Minimum five-minute timing speed on straight copy material of 30 gross words per minute (with five errors or less) is required to successfully complete the course.            Offered: Fall  <b>Prerequisites:</b> None</p>	1/2 WCHS Credit, 3 semester hours CSC credit
Business	<p><b>AOP.102.151 Keyboarding &amp; Formatting 2</b>            This is the second semester course in keyboarding. The concepts and techniques presented in AOP 101 will be strengthened with more attention on special letters, forms, tables, and reports. Speed and accuracy development will be stressed. Minimum five-minute timing speed on straight-copy material of 45 gross words per minute (with five errors or less) is required to successfully complete the course. Students also enrolled in AOP 116 are expected to maintain concurrent enrollment to ensure success in this course.            Offered: Fall  <b>Prerequisites:</b> AOP.101 with a minimum grade of C.</p>	1/2 WCHS Credit, 3 semester hours CSC credit

Business	<p><b>AOP.116.151 Introduction to Word Processing</b>  This course introduces students to creating, formatting, customizing, proofing, editing, maintaining, managing, and printing documents. Additional topics include merging documents, sorting text, selecting records, inserting elements, and creating and enhancing tables and charts.  Offered: Spring  Prerequisites: AOP.101 with a minimum grade of C</p>	1/2 WCHS Credit, 3 semester hours CSC credit
Business	<p><b>AOP.117.151 Medical Transcription 1</b>  This course provides students the experience of transcribing a variety of medical documents through the use of transcription equipment and computers. Students who complete this course will strengthen their medical vocabulary, as well as their grammar, punctuation, and proofreading skills.  Offered: Spring  Prerequisites: Take AOP.102; Concurrent enrollment in MDT.100</p>	1/2 WCHS Credit, 3 semester hours CSC credit
Business	<p><b>AOP.217.151 Medical Transcription 2</b>  This course provides students the experience of transcribing a variety of medical documents through the use of transcription equipment and computers. Students who complete this course will strengthen their medical vocabulary, grammar, punctuation, and proofreading skills.  Offered: Fall  Prerequisites: AOP.117</p>	1/2 WCHS Credit, 3 semester hours CSC credit
Business	<p><b>AOP.216.151 Advanced Word Processing</b>  This course explores advanced features and builds on skills introduced in AOP 116. Topics covered include enhancing, customizing, and organizing document content. Additional advanced features covered pertain to document references, forms, outlines, macros, and document protection.  Offered: Fall or Spring  Prerequisites: Take AOP.101 and AOP.102 with grade of C or better or AOP.116.</p>	1/2 WCHS Credit, 3 semester hours CSC credit
Business	<p><b>AOP.220.151 Legal Document Processing</b>  This course explores the preparation of legal documents. Emphasis is placed on developing and understanding the different formatting styles used in the legal field. Students will also be introduced to software packages used in the preparation of legal documents. Students who complete this course will strengthen their legal vocabulary, in addition to their grammar, punctuation, and proofreading skills.  Offered: Spring  Prerequisites: Take AOP.116 or concurrent enrollment; Take AOP.120</p>	1/2 WCHS Credit, 3 semester hours CSC credit
Business	<p><b>BLA.202.151 Business Law</b>  This course is a basic explanation of the legal rights and responsibilities of businesses in both the public and private sectors. It is relevant to future managers and integrates ethics and social responsibility, international and contemporary business issues, and e-commerce in organizations. Current legal cases and ethical dilemmas are used to illustrate and reinforce legal regulations.  Offered: Spring and Fall  Prerequisite: None</p>	1/2 WCHS Credit, 3 semester hours CSC credit
Business	<p><b>BOC.100.151 Business Mathematics</b>  This course introduces students to basic mathematical functions as applied to the business world and to banking services. In addition, the process of calculating sales discounts and markup, interest, employee compensation, and sales discounts will be covered.  Offered: Fall  Prerequisites: A COMPASS test score of 47-99 for Pre-Algebra, or 45 for Algebra or completion of MAT.080 with a grade of C or better</p>	1/2 WCHS Credit, 3 semester hours CSC credit
Business	<p><b>BOC.104.151 Mathematics of Finance</b>  This course is a continuation of BOC 100. Students will learn how to apply basic mathematical functions to more advanced business activities. Students will utilize basic concepts of accounting for analyzing business situations. In addition, students will analyze financial statements, interest earnings,</p>	1/2 WCHS Credit, 3 semester hours CSC credit



discounts, annuities, insurance and the distribution of working capital. Introductory statistical methods will also be covered.  
 Offered: Spring  
 Prerequisites: Take BOC.100

Business	<p><b>BOC.107.151 Tech Skills for Business Environment</b>          This course provides students with instruction in basic computer skills including keyboarding, 10- key, file management, data storage and retrieval, collaborative technology, and computer hardware and software. Basic formatting rules for letters, memos, reports and tables will be covered as well as basic word processing concepts and proofreading skills. Spreadsheet and database basic terminology and usage will also be introduced. This course is designed for students who are not majoring in an office occupations program.          Offered: Fall          Prerequisite: None</p>	1/2 WCHS Credit, 3 semester hours CSC credit
Business	<p><b>BUS.200.151 Advertising Fundamentals</b>          This course presents a general survey of the field of advertising and is designed for students seeking initial or improved employment opportunities. Concepts included are those which relate to three basic questions: 1) What is advertising? 2) Why is advertising used? 3) How can advertising be used effectively?          Offered: Spring          Prerequisites: BUS.101</p>	1/2 WCHS Credit, 3 semester hours CSC credit
Business	<p><b>BUS.201.151 Management Fundamentals</b>          This course provides a basic study of the field of management for individuals preparing for initial or improved employment. Several streams of management theory are reviewed. The basic functions of the business manager (planning, organizing, leading and controlling) are considered. Management in a global business environment and current management technologies and processes are stressed.          Offered: Fall          Prerequisites: BUS.100 or equivalent background as evaluated by instructor</p>	1/2 WCHS Credit, 3 semester hours CSC credit
Business	<p><b>ECO.201.151 Principles of Macro Economics</b>          This course is designed to introduce students to the basic economic principles and how to think about the economy in terms of the impact of these principles. Topics include: economic systems, demand and supply theory, government and its role, and fiscal and monetary policies. The course is intended for students who plan to pursue a bachelor's degree as well as those who desire a better understanding of the economy. While there is no prerequisite for this course, students are encouraged to complete basic courses in related areas prior to enrollment.          Offered: Spring          Prerequisites: Compass Reading of 83 or higher, or ACT reading score of 20 or higher. Compass Algebra score of 46 or higher, or ACT Math score of 25 and higher.</p>	1/2 WCHS Credit, 3 semester hours CSC credit
Business	<p><b>ECO.202.151 Principles of Micro Economics</b>          This course focuses on industrial and labor organizations, supply and demand, and profit maximization under varying conditions of competition. Current topics, such as the environment and public policy, are considered. The course is designed for students planning to pursue a bachelor's degree as well as those who desire a better understanding of the economy. While there is no prerequisite for this course, completion of ECO 201 is recommended before enrollment.          Offered: Fall          Prerequisites: Compass Reading of 83 or higher, or ACT reading score of 20 or higher. Compass Algebra score of 46 or higher or ACT Math score of 25 and higher.</p>	1/2 WCHS Credit, 3 semester hours CSC credit

## COMPUTER INFORMATION TECHNOLOGY COURSE OFFERINGS

Computer Information Technology	<p><b>ICT.110.151 Computer Software Applications</b>            This course in software applications will provide students with an overview of a computer operating system and commonly used computer software. Students will gain experience with word processing and database management tasks, presentation software, and spreadsheets. Additional software programs associated with the Windows environment will be explored. This course may be used to satisfy the computer requirement common for students planning to transfer to a four-year college or university.            Offered: Fall or Spring            Prerequisites: Take AOP.101 or BOC.107 or appropriate articulated high school credit.</p>	1/2 WCHS Credit, 3 semester hours CSC credit
Computer Information Technology	<p><b>ICT.114.151F8 Microcomputer Database Applications 1</b>            This course is an introduction to the management of data on personal computers. It covers the database operations that allow a personal computer user to create and update files; order and search files; generate reports and labels; use memory variables for more complex data manipulation; and produce custom input and output forms.            Offered: Spring            Prerequisites: None</p>	1/2 WCHS Credit, 3 semester hours CSC credit
Computer Information Technology	<p><b>ICT.125.151 Foundations of Information Technology</b>            Foundations of Information Technology is designed for the degree seeking Computer Information System Students. This course is an overview of basic computer technology. This is a hands-on course that introduces the student to core concepts of computer technology in order to be successful in more advanced computer course. Topics include but are not limited to: Computers and Digital Basics, Hardware, Software, Operating Systems, File Management, LANs, WANs, The Internet, The Web, E-mail and Digital Media. This course also gives the student a foundation in basic office application software as well as research and presentation skills necessary to be a successful computer professional.            Offered: Fall            Prerequisites: None</p>	1/2 WCHS Credit, 3 semester hours CSC credit
Computer Information Technology	<p><b>ICT.210.151 Advanced Microcomputer Software Application</b>            In this course--designed as a continuation of ICT.110--students will be empowered and encouraged to develop advanced skills in the use of word processing, spreadsheet, database, presentation, and other software programs as they apply to the Windows environment.            Offered: Spring and Fall            Prerequisites: Take ICT.110</p>	1/2 WCHS Credit, 3 semester hours CSC credit
Computer Information Technology	<p><b>ICT.214.151S8 Microcomputer Database Applications 2</b>  <b>This course is a continuation of ICT 114. Students will explore the</b> database operations needed to create and update files; order and search files; generate reports and labels; use memory variables for more complex data manipulation; and produce custom input and output forms.            Offered: Spring            Prerequisites: Take ICT.114</p>	1/2 WCHS Credit, 3 semester hours CSC credit
Computer Information Technology	<p><b>ICT.225.151 SQL/Database Application</b>            This course is designed to teach the use to Structures Query Language (SQL) to construct, modify, and maintain relational databases. Emphasis is on SQL and its uses in business applications. Hierarchical, network, and relational models are covered. Additional topics include data redundancy, data independence, security, and data integrity.            Offered: Spring and Fall            Prerequisites: Take ICT.130 concurrently.</p>	1/2 WCHS Credit, 3 semester hours CSC credit

## **ENGLISH COURSE OFFERINGS**

English	<p><b>ENG.101.151 Freshman Composition 1</b> This course is the first in a sequence of two freshman composition and rhetoric courses. It is designed for individuals planning to pursue a bachelor's degree as well as those who wish to develop proficiency in writing. Emphasis is on critical reading, organization, logical thought, paragraphing, sentence structure, grammar and punctuation. Also studied will be argumentation and inductive/deductive reasoning. Offered: Fall or Spring Prerequisites: Either placement according to the COMPASS score, or completion of ENG.098 with a C or better</p>	1/2 WCHS Credit, 3 semester hours CSC credit
English	<p><b>ENG.102.151 Freshman Composition 2</b> This course is second in a sequence of two freshman composition and rhetoric courses. Emphasis is on reading and writing about various types of prose, especially short fiction and the novel. A research paper that demonstrates analysis of the novel is the primary writing activity. Offered: Fall or Spring Prerequisites: A grade of C or better in ENG.101 or the equivalent and a passing mark on the Comp 1 Exit Exam. At least a C must be earned to count this course toward an AA, AS, AFA, or AAS.</p>	1/2 WCHS Credit, 3 semester hours CSC credit
English	<p><b>ENG.160.151 Introduction to Fiction</b> This course is a survey of the short story and the novelette. Emphasis is placed on the analysis of the elements of fiction, such as characterization, conflict, symbol and plot. How to write about fiction will also be studied. Offered: Fall and Spring Prerequisites: ENG.101</p>	1/2 WCHS Credit, 3 semester hours CSC credit
English	<p><b>ENG.170.151 Introduction to Drama</b> A survey of drama as literature, this course explores various periods and traditions throughout theatre history so that students become familiar with the major styles, techniques, and conventions that characterize dramatic literature. Through critical analysis and discussions, students learn the historical and cultural contexts that shape and influence the drama. Offered: Spring Prerequisites: ENG.101</p>	1/2 WCHS Credit, 3 semester hours CSC credit
English	<p><b>ENG.180.151 Introduction to Poetry</b> Fostering an appreciation of poetry through analysis is the aim of this course. Samples of many periods, including contemporary works, will be studied, as well as the elements of poetry: diction, image, theme, symbol, rhythm, and meter. Skills of reading poetry will also be emphasized. Thematic concerns of race, gender, and ethnicity are, of course, included in the written and oral analysis of these poems. Offered: Fall or Spring Prerequisite: None</p>	1/2 WCHS Credit, 3 semester hours CSC credit
English	<p><b>ENG.240.151 Women's Literature</b> This course studies selected literature written by women from various historical and literary periods and presented in a variety of genres -- poetry, drama, short story, novel and letters -- with attention to the historical and cultural contexts of those writings. The emphasis is on interpretive and critical skills. Offered: Fall Prerequisites: ENG.101</p>	1/2 WCHS Credit, 3 semester hours CSC credit
English	<p><b>SPE.110.102 Interpersonal Communication</b> This course attempts to develop an awareness of, and an insight into, the choices that are made by participation in face-to-face, non-public, human communication. The text and lectures are designed to create an understanding of theories and principles. Experiential exercises encourage the student to apply this understanding, and to use it in interpreting his/her own and other people's attempts at communication. Among the topics covered are the communication process, the self as a communicator, verbal and nonverbal language, cooperation and conflict, etc. Offered: Spring Prerequisite: None</p>	1/2 WCHS Credit, 3 semester hours CSC credit

English	<p><b>THE.110.151 Theatre Arts Appreciation</b>  This course examines the arts of the theatre, particularly acting, directing and set design. Also treated are the related topics of film and the development of the theatre including an historical account of the play as an artistic and literary form. This course will appeal to those who wish to gain greater knowledge of the things which go into the making of a theatrical production.  Offered: Fall or Spring  Prerequisite: None</p>	1/2 WCHS Credit, 3 semester hours CSC credit
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**HEALTH CAREERS COURSE OFFERINGS**

Health Careers	<p><b>Certified Nursing Assistant</b>  Health Occupations is a course designed to give the student interested in a career in the health field a head start. The students will be given classroom instruction on basic anatomy and physiology, medical terminology, medical abbreviations, medical ethics and laws and CPR. The student while enrolled in the Health Occupations Class may choose to either obtain instruction and testing to become a certified nursing assistant or to spend time in a job shadow program with a medical professional of their choice.</p>	1 WCHS Credit, 3 semester hours CSC credit
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The student that plans to take instruction as a certified nursing assistant will be instructed by a registered nurse in the personal care of patients. This includes bathing, dressing, grooming, feeding, care of equipment and supplies, range of motion exercises, psychological support, death and dying, obtaining specimens, taking vital signs and documentation.

The student that plans to job shadow will be under the direction of the Health Occupations instructor and an approved medical professional. The student will be responsible for a total of 7 hours of job shadowing each week and will keep a diary of their job shadow experiences.

This class meets weekly and the students will be required to arrange their own transportation.

Health Careers	<p><b>MDT.100.151F8 and MDT.100.151 Medical Terminology</b>  This course is designed for anyone desiring a background in the language of medicine, and presents a system of learning medical terms from word roots, combining forms, prefixes and suffixes. By the end of the course the student will be able to recognize, build, define and spell correctly literally thousands of medical words from the elements learned, and be proficient in using a medical dictionary. This course is useful for anyone in the health care professions: those working in hospitals (nurses, radiologic technologists, unit secretaries, people in medical records or the business office, etc.) in a doctor's office, in nursing homes or those in Emergency Medical Technology. Those entering nursing will find Medical Terminology a great asset to understanding lectures and textbooks, making their learning easier.  Offered: Fall or Spring  Prerequisite: None</p>	1/2 WCHS Credit, 2 semester hours CSC credit
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**HUMANITIES COURSE OFFERINGS**

Humanities	<p><b>PHL.101.151 Introduction to Philosophy</b>  This course is for the student who questions or has an interest in the assumptions on which many decisions, values and purposes of institutions and society rest. The course deals with major philosophical problems, such as reality and does one's view of reality make any difference. Knowledge and various ways of knowing will be studied as well as the conflict between those who believe in free will and those who believe in determinism.  Offered: Fall or Spring  Prerequisites: None</p>	1/2 WCHS Credit, 3 semester hours CSC credit
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Humanities	<p><b>PSY.101.151 Introduction to Psychology</b>  This course is designed to provide an understanding of a variety of topics within the field of psychology. It is not only designed for students planning on majoring in psychology, but for those who have an interest in the scientific</p>	1/2 WCHS Credit, 3 semester hours CSC
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	<p>basis of behavior, thought, and the physiological processes that underlie each.</p> <p>Offered: Fall or Spring</p> <p>Prerequisites: A COMPASS Reading score of 83 or above, or RDG.096 with a grade of C or better or an ACT Reading score of 20 or higher.</p>	credit
Humanities	<p><b>PSY.107.151 Positive Psychology</b></p> <p>Positive Psychology will encourage students to develop their potentials through research-based applications found in the areas of resiliency, adjustment, and positive emotions. This course will provide insights into strength-based behaviors by examining biological, psychological and sociocultural origins.</p> <p>Offered: Spring</p> <p>Prerequisites: None</p>	1/2 WCHS Credit, 3 semester hours CSC credit
Humanities	<p><b>PSY.202.151 Psychology of Personality</b></p> <p>This course offers a study of the major problems, concepts and formulations of personality. It will include development and structure of personality, including such topics as adjustment, social adequacy, work environments, aggression, prejudice and other behaviors.</p> <p>Offered: Fall or Spring</p> <p>Prerequisites: A COMPASS Reading score of 83 or above, or RDG.096 with a grade of C or better, or an ACT Reading score of 20 or higher.</p>	1/2 WCHS Credit, 3 semester hours CSC credit
Humanities	<p><b>PSY.204.151 Social Psychology</b></p> <p>Social Psychology is the scientific study of the way in which people's thoughts, feelings, and behaviors are influenced by the real or imagined presence of other people. This course will be composed of four sections: (1) Introduction to Social Psychology and Social Psychological Methods, (2) Understanding Ourselves, (3) Social Influence, and (4) Social Interaction. This course is of value to students who have an interest in the mutual influence of groups on the individual and of the individual on groups.</p> <p>Offered: Spring</p> <p>Prerequisites: A COMPASS Reading score of 83 or above, or RDG.096 with a grade of C or better, or an ACT Reading score of 20 or higher.</p>	1/2 WCHS Credit, 3 semester hours CSC credit
Humanities	<p><b>PSY.206.151 Social Psychology of Aging</b></p> <p>This course provides an introduction to the field of social gerontology. The course deals with the adult life cycle from the sociological and psychological perspective with special emphasis on the later stages of adulthood. Special topics on aging include theoretical approaches to social aging, the biological and psychological aspects of aging, work, retirement and leisure, institutionalization, and death and dying.</p> <p>Offered: Spring</p> <p>Prerequisites: A COMPASS Reading score of 83 or above, or RDG.096 with a minimum grade of C, or an ACT Reading score of 20 or higher.</p>	1/2 WCHS Credit, 3 semester hours CSC credit
Humanities	<p><b>PSY.221.151 Child Psychology</b></p> <p>This course is a study of human development from conception through adolescence. It consists of research methods, data, and developmental theories in and between all major areas of development including biological, social, emotional, and cognitive. This course is useful to students who will interact with children and/or adolescents in professional and personal settings. It is appropriate for parents as well as persons in educational, behavioral, and social sciences.</p> <p>Offered: Fall</p> <p>Prerequisites: A COMPASS Reading score of 83 or above, or RDG.096 with a grade of C or better, or an ACT Reading score of 20 or higher.</p>	1/2 WCHS Credit, 3 semester hours CSC credit
Humanities	<p><b>PSY.265.151 Developmental Psychology</b></p> <p>This course is a study of the development of human beings over the entire lifespan. It begins with an overview of developmental theories and then traces the individual from conception through infancy, childhood, adolescence, adulthood, aging, and death.</p> <p>Offered: Fall and Spring</p> <p>Prerequisites: A COMPASS Reading score of 83 or above, or RDG.096 with a grade of C or better, or an ACT Reading score of 20 or higher.</p>	1/2 WCHS Credit, 3 semester hours CSC credit

Humanities	<p><b>PSY.294.151 Abnormal Psychology</b>  Abnormal Psychology will introduce students to behavioral disorders and research methods used in the field. This course will provide insight into abnormal behavior by examining biological, psychosocial, and sociocultural origins. Students will also learn about assessment, categorization, and treatment options for disorders, in addition to preventative measures.  Offered: Fall  Prerequisites: Take PSY.101</p>	1/2 WCHS Credit, 3 semester hours CSC credit
Humanities	<p><b>SOC.101.151 Introduction to Sociology</b>  The purpose of this course is to acquaint the student with the discipline of sociology as it applies to contemporary American society. This course provides an orientation to the student interested in social science or the helping professions. Among specific topics to be studied are: how the sociologist gathers information, the importance of culture and symbols, personality development, the changing structure of the family, social class and inequality, race and ethnicity, and deviant behavior.  Offered: Fall or Spring  Prerequisites: None</p>	1/2 WCHS Credit, 3 semester hours CSC credit
Humanities	<p><b>SOC.105.151 Intro to Cultural Anthropology</b>  This course will be an overview of the discipline of cultural anthropology, introducing the student to diverse cultural forms around the globe through a variety of media and ethnographic materials. The media and ethnographic materials used will demonstrate how and why humans in different cultures have developed different solutions to the same problems. The student will be exposed to a variety of techniques which will assist the student in learning the social organization, technology, economic structures, religious belief systems and language of both past and present diverse cultures. The students will explore major theories, and concepts used to understand why humans behave as they do and the relationships that may exist between diverse societies.  Offered: Spring  Prerequisites: None</p>	1/2 WCHS Credit, 3 semester hours CSC credit
Humanities	<p><b>SOC.201.151 Introduction to Anthropology</b>  The goal of this course is to introduce the study of general anthropology to students who have little acquaintance with the subject. This course will provide the student with knowledge of anthropology and how anthropology contributes to the scientific understanding of people. This course is of interest to the social science major as well as those people who are looking for an elective course. Some of the topics to be covered include human and primate evolution, the emergence of human culture, and the rise of urban society, the evolution of language, kinship and descent, and cultural diversity within the modern world.  Offered: Fall and Spring  Prerequisites: None</p>	1/2 WCHS Credit, 3 semester hours CSC credit
Humanities	<p><b>SOC.203.151 Introduction to Diversity</b>  This course helps students come to know people from various ethnic/racial, religious, and cultural groups that make up the American population. Issues concerning racism, age, gender, and sexual orientation are examined.  Offered: Fall or Spring  Prerequisites: None</p>	1/2 WCHS Credit, 3 semester hours CSC credit
Humanities	<p><b>SOC.205.151 Social Problems-Professional Ethics</b>  This course will provide a values-based approach to ethical professionalism and present the student with the tools to think about and deal with ethical issues in the work place. The course will examine through discussion the concepts of what a professional is and what it means to act professionally. It will include knowledge-based discussions of the features of moral reasoning and review case studies and scenarios that will facilitate the student's ability to construct methods of resolution when dealing with ethical issues of the work place. The course will cover in depth moral reasoning and ethical theories central to the moral life of any professional.  Offered: Fall  Prerequisites: ENG.101 or concurrent enrollment</p>	1/2 WCHS Credit, 3 semester hours CSC credit

Humanities	<p><b>SOC.260.151 Gender &amp; Society</b>  Students in the course will examine gender theory, the historical and societal changes regarding gender roles, the interaction of gender and social structures, and the relationship of gender and social institutions within the United States. Students will also be given the opportunity to consider the similarities and differences of gender from a global, multi-cultural perspective.  Offered: Fall  Prerequisites: None</p>	1/2 WCHS Credit, 3 semester hours CSC credit
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**INDUSTRIAL TECHNOLOGY COURSE OFFERINGS**

**Automotive Technology (SCC)**

Industrial Technology	<p><b>Auto Collision Repair Program</b>  These classes will be held on the SCC West Burlington campus, on Saturdays. This program involves multiple classes to help students identify safety hazards in the work area, safe vehicle lifting techniques and how to identify and handle hazardous materials. Students will learn how to inspect, remove and store trim, glass, metal and molding components; other protective coatings; review damage reports and analyze damage to determine proper method of overall repair; develop repair plan; use appropriate cleaners to remove contaminants from surfaces to be repaired; apply environmental practices associated with vehicle repair. West Central will pay ½ tuition for successfully completing each course. Students are responsible for their own transportation.  Prerequisite: Senior standing</p>	WCHS Credit varies with each class, 15-18 total semester hours SCC credit
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Industrial Technology	<p><b>Automotive Technology</b>  These classes will be held on the SCC West Burlington campus, during the school day. Students receive intense hands-on training in the areas of engine repair, automatic transmission and transaxle, manual drive train and axles, suspension and steering, brakes, electrical/electronic systems, heating and air conditioning, and engine performance. All instructors are Automotive Service Excellence certified. The program is 18 months long and is certified by the National Automotive Technical Education Foundation. The program works with manufacturers, local dealers and independent shops to assure that SCC is providing the most comprehensive, up-to-date education to its students. West Central will pay ½ tuition for successfully completing each course. Students are responsible for their own transportation.  Prerequisite: Senior standing</p>	WCHS Credit varies with each class, 15-18 total semester hours SCC credit
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**Industrial Welding (CSC)**

Industrial Technology	<p><b>Welding Certificate Program (at WCHS)</b>  This two year program is designed to provide students with skills needed to enter employment in local industry as an entry-level welding positions for construction firms, agricultural enterprises, and heavy machine fabrication that emphasizes training in Shielded Metal ARC welding. The welding program emphasizes welding skill proficiency through lab activities and projects as learning activities. All the courses contain essential components required for success in industry today such as mathematics, communication, attendance, and productivity.  Prerequisite: Junior or Senior standing</p>	WCHS Credit varies with each class, 15-18 total semester hours SCC credit
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