Shiocton High School

Course Description Guide

2025-2026

**Updated 12/2024

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INTRODUCTION

The purpose of the Course Description Guide is to help in the selection of your high school subjects and assist in your future planning. Please view this guide carefully to acquaint yourself with the Shiocton Graduation Requirements, along with the courses of Shiocton High School, including their sequencing and prerequisites.

Graduation should be an important goal of every student. Besides meeting the requirements for graduation, you should choose subjects that have a purpose and direction for you. To all of you, make the most of what Shiocton High School has to offer, keep in mind the following:

1. Graduation Requirements
2. Your Post-High School Plans
3. College Entrance Requirements
4. Early College Credit Program
5. Youth Apprenticeship - Juniors/Seniors Only

The Course Description Guide does not intend to answer all questions about each course. Your teachers, advisor, and counselor are willing to answer questions to further assist you in making your decisions. Please discuss the content of the guide with your parents.

There is no assurance that you will be scheduled for your requested classes, as not all classes will run and course requests may change the enrollment of others. There may be instances where you may have to take alternate courses because of schedule conflicts. If you fail to meet with the counselor regarding scheduling, you may be assigned courses that you did not choose, but are courses that the counselor feels are beneficial to you. Making wise and permanent choices **now** will help to reduce the number of conflicts and ensure your placement in a desired course before it becomes filled.

CHIEF CHATS

All junior students will participate in a conference called a Chief Chat with the counselor and a parent to discuss academic/career plans, course scheduling and transitions. If you desire a meeting at another time, please contact your counselor.

POINTS TO CONSIDER

- Freshmen, Sophomores and Juniors must register for a minimum of **seven** (7) classes per semester. Seniors must register for a minimum of six (6) classes per semester.
- Each year all students will register for **at least one** (1) credit of English.
- Course changes must be completed the Wednesday before the start of the semester. Anyone dropping a class after that day will be given a failing class grade.
- **The only exceptions are a) a dropped class based upon teacher recommendation and approved by the MS/HS Principal, or b) delayed admittance into one of our School to Work programs which requires approval by the MS/HS Principal.**
- Students who register for a World Language should plan to complete at least two years. **Students registering for a World Language must have better than average skills in English to be successful.**
- Pay particular attention to the **prerequisites** that some courses may require.

WORLD LANGUAGE REQUIREMENTS

Many universities strongly recommend two years of a world language for admission. Colleges may also require a student to take a world language in order to graduate from that college. Students who take world language in high school have the opportunity to test out of introductory foreign language classes and earn free retroactive college credits by taking the foreign language placement test.

VOCATIONAL AND COLLEGE SCHOOL PLANNING

Admission requirements to schools vary. Therefore, students are highly encouraged to plan early and thoroughly on possible careers and schools.

If you plan to pursue further education, be sure you meet the requirements of the school you plan to attend. Plan early!

SUGGESTED PROGRAM PLANNING

CAREER AND TECHNICAL PREPARATORY STUDENTS

Students planning to attend a technical college or enter directly into the world of work through on-the-job education or apprenticeship education should select high school courses that provide for the academic background and hands-on skills necessary for success in technical college. It is advisable that students plan a rigorous schedule where the following is recommended:

English	4 credits with emphasis on writing, speaking, listening, and reading
Social Studies/ Social Sciences	3 credits
Mathematics	3 credits; recommended courses: Algebra, Geometry, and Advanced Algebra
Science	3 credits; recommended courses: Physical Science, Biology I, Chemistry I, Biology II, AP Chemistry, Physics (Physics of Light or Classical Mechanics), and/or CAPP Biology, Experimental Methods
The Arts	½ to 2 credits including Music, Art, Graphic Design
Computer Literacy	½ to 2 credits Computers

Become familiar with technical schools and programs by reading the available career literature and information. Pay close attention to the Course Description Guide. Investigate which high school classes are recommended preparation for various careers and attend open houses.

Acceptance into a particular technical college and/or program of study is often open to any student usually on an admit-as-room-is-available basis. Some programs may require students to write an institutional entrance examination. Students are encouraged to submit applications early in their senior year.

YOUTH APPRENTICESHIP

The Wolf River School-to-Work Youth Apprenticeship Program is a one or two year program for high school juniors and/or seniors combining instruction (both high school and college) and paid on-the-job training. Students gain a set of skills and abilities by learning in the classroom and in a work setting. High school students in good standing are accepted into the program prior to their junior or senior year. Upon completion students earn the state recognized Wisconsin Youth Apprenticeship Certificate of Occupational Proficiency. Students earn both high school and college credits while in the program and typically are gone for part of their school day while working at their Youth Apprenticeship place of employment. Students must be able to provide their own daily transportation. Students who have applied and are waiting for notification of acceptance into the program should schedule a regular load of classes. Applications are due in the spring prior to the school year of participation.

For more information contact your school counselor.

COLLEGE PREPARATORY STUDENTS

UW-System Credit requirements:

At a minimum, all UW campuses require students to complete at least 17 college preparatory credits in high school. You can see the specific guidelines for each campus in the Requirements tab at: uwhelp.wisconsin.edu/admission-guidelines/freshman.

ACT and SAT scores are optional as part of the application review process for all UW System campuses through the Spring of 2027. You do not have to submit ACT or SAT scores, but they may be considered if you choose to provide them. ACT/SAT scores may still be used for scholarship selection.

3 Credits - SOCIAL SCIENCE - For example: American Government, History, Geography
3 Credits - NATURAL SCIENCE - For example: Biology, Chemistry, Earth Science
3 Credits - MATH - Including one year of Algebra and Geometry
4 Credits - ENGLISH - For example: English, Composition, Literature, Speech
4 Credits - ELECTIVES - For example: Band, Computer Science, Fine Art
2 Credits - SINGLE WORLD LANGUAGE - For example: two years of Spanish
(2 Credits highly recommended for most in UW System)

***High School Chemistry must be taken if you plan to take college Chemistry classes or if you plan to enter a program in the Health Sciences.**

Qualifying admission standards vary among colleges, ranging from the very high selective schools that are looking for high achievement and high test scores in applicants to those open to virtually any high school graduate regardless of high school rank or test scores. All colleges, however, look for student characteristics that include:

- A good academic record in a solid college prep high school program
- Recommendations including support for academic growth
- Admission Test(s) ACT/SAT (Most universities remain test optional for graduates)
- Commitment or involvement in school activities/community
- Personal qualities such as energy, initiative, motivation, creativity

The most commonly used admission test is the American College Test (ACT), which is required to be taken in the junior year. This test is predominantly used by midwest colleges.

The Accuplacer test is primarily for students planning on attending a technical college. It tests in three areas: sentence skills, general arithmetic, and reading comprehension. Technical colleges will take the ACT score but often the Accuplacer is more relevant to their programming.

EARLY COLLEGE CREDIT PROGRAM/ START COLLEGE NOW

This program allows qualified high school students, who are in good standing, the opportunity to take post-secondary courses at an approved college while still enrolled in high school. WI Technical Colleges and two-year/four-year colleges are not required to honor requests. Students may only take a total of 18 college credits for payment by the Shiocton School District. ***Courses will not be paid for if already offered at Shiocton High School**. **Course drops must also occur by the end of the third day of class, or resulting in a failing grade.** Students should submit a completed application to the school counselor by March 1 for the fall semester and by October 1 for the spring semester. If necessary, the student must be able to provide transportation to the college. Please see the counselor if you have questions.

The Shiocton School District does not guarantee that the college courses taken in high school will transfer to a college. Always check with the college admissions office on the transferability of courses. Students may have an interest in enrolling in courses which are not offered on campus.

As we encourage students to enroll in courses related to their post-secondary intentions as articulated in their Academic Career Plan, we know that other sources of courses may need to be explored. Through virtual courses and those of a blendEd model, students can participate in classes on our campus even though they may not be listed in this guide nor taught by our educators.

Students who are enrolled in a course through a Technical College or University will receive a grade on their high school transcript based on the **letter grade** that is reported by their instructor/professor to the Shiocton School District. This letter grade is what will be used to determine athletic eligibility and will appear on both the student's high school and college transcripts.

NCAA ELIGIBILITY FOR COLLEGIATE ACTIVITY
Students planning to pursue college-level athletics should be aware of NCAA requirements. Please refer to the NCAA website for specific information at: www.eligibilitycenter.org. It is the responsibility of students and parents to see that these requirements are met by graduation. Shiocton High School courses that are approved by the NCAA are coded as "NCAA Approved" in the course description.

Shiocton High School
2025-26 | Course Offerings | College Credit

Credit Option	Course Title	Credits/ Duration	Available to:		
			10	11	12
CAPP Courses (through UWO or SNC)	Biology 105 *Requires one of the following: class rank in the top 30%, GPA of 2.75 or above ***Credit and Cost:** This course is offered for dual credit (4 credits) through UW-Oshkosh. Cost to take for dual credit is approximately $420.	4 cr./1 yr.			x
	History 201 *Requires one of the following: class rank in the top 25%, GPA of 3.25 or above, or ACT score of 24 or higher accompanied by rank in top 25% or GPA of 2.75 or above ***Credit and Cost:** This course is offered for dual credit (3 credits) through UW-Oshkosh. Cost to take for dual credit is approximately $315.	3 cr./1 sem.		x	x
	History 202 *Requires one of the following: class rank in the top 25%, GPA of 3.25 or above, or ACT score of 24 or higher accompanied by rank in top 25% or GPA of 2.75 or above ***Credit and Cost:** This course is offered for dual credit (3 credits) through UW-Oshkosh. Cost to take for dual credit is approximately $315.	3 cr./1 sem.		x	x

	Personal Health/Wellness 106 - as part of Advanced Health or Kinesiology ***Credit and Cost:** This course is offered for dual credit (3 credits) through UW-Oshkosh. Cost to take for dual credit is approximately $105 per credit.	3 cr./1 sem.		x	x
	Kinesiology 104 -CPR - as part of Advanced Health or Kinesiology ***Credit and Cost:** This course is offered for dual credit (1 credit) through UW-Oshkosh. Cost to take for dual credit is approximately $105 per credit.	1 cr./1 sem.		x	x
	Active Lifestyle 105 (online) - as part of Honors Phy Ed, Kinesiology, or Advanced Health ***Credit and Cost:** This course is offered for dual credit (2 credits) through UW-Oshkosh. Cost to take for dual credit is approximately $105 per credit.	2 cr./1 sem.		x	x
	Beginning Badminton 138 - as part of Honors Phy Ed ***Credit and Cost:** This course is offered for dual credit (0-3 credits) through UW-Oshkosh. Cost to take for dual credit is approximately $105 per credit.	1 cr./ 1 sem.			x
	Beginning Basketball 109 - as part of Honors Phy Ed ***Credit and Cost:** This course is offered for dual credit (0-3 credits) through UW-Oshkosh. Cost to take for dual credit is approximately $105 per credit.	1 cr./1 sem.			x
	Beginning Jogging 103 - as part of Honors Phy Ed, Kinesiology, or Advanced Health ***Credit and Cost:** This course is offered for dual credit (1 credit) through UW-Oshkosh. Cost to take for dual credit is approximately $105 per credit.	1 cr./1 sem.		x	x
	Weight Lifting 113 - as part of Advanced Health or Kinesiology ***Credit and Cost:** This course is offered for dual credit (1 credit) through UW-Oshkosh. Cost to take for dual credit is approximately $105 per credit.	1 cr./1 sem	x	x	x
Dual Credit and Advanced Standing Courses (through FVTC)	Contemporary Practices in Healthcare - There is no cost to take the course. An introduction to contemporary healthcare practices for students interested in a career serving diverse healthcare communities. Learners explore the essential skills required for equitable and inclusive person-centered interactions. Â Learners examine various health communities, mindful practices, professionalism, problem solving, and patient confidentiality.	2 cr./1 sem.	x	x	x
	Written Communication	3 cr./1 sem.			x
	Oral/Interpersonal Comm	3 cr./1 sem.			x
	Introduction to Welding	1 cr./1 sem.		x	x
	Machine Shop I	3 cr./1 sem.		x	x
Advanced Placement	AP Calculus *Requires completion of Pre-Calculus, AP test administered to determine credits awarded	Up to 3 cr.		x	x

Courses	AP Chemistry *Requires 88% or better in Chemistry and Algebra 2, AP test administered to determine credits awarded	Up to 3 cr.			x
	AP Computer Science	Up to 3 cr.		x	x

SHIOCTON HIGH SCHOOL GRADUATION REQUIREMENTS

1. Credit is granted on a semester basis. A credit is granted for successful completion of a semester's work. No classes may be repeated for credit with the exception of a few select courses. Please see your school counselor with any questions.
2. **Twenty-five total credits** in Grades 9-12 are **required** for graduation from Shiocton High School and **must include**:

English **4 Credits**

A. English 9 (1 Credit)
B. English 10 (1 Credit)
C. American Literature/Composition (1 Credit)
D. Grade 12 - Students will need 1 credit during senior year. If the student has 3.5 credits at the start of their senior year, they will need to take another ½ credit.

Social Studies/Social Sciences **3 Credits**

A. U.S. Government (½ Credit)
B. Geography (½ Credit)
C. U.S. History (1 Credit) or CAPP History 202 (1 Credit)
D. Senior Studies (½ Credit)

Mathematics **3 Credits**

Science **3 Credits**

A. Physical Science (1 Credit)
B. Biology (1 Credit)
C. Elective

Health	**.5 Credit**
Physical Ed	**1.5 Credits**
Computer Essentials	**.5 Credit**
Personal Finance (required for Class of 2028 and beyond)	**.5 Credit**
Electives (9 credits will be required for Class of 2028 and beyond)	**9.5 Credits**

The additional credits may be selected from any of the available high school courses, including Youth Apprenticeship, work programs, Start College Now or the Early College Credit Program. All classes will count equally when determining the Grade Point Averages (GPA).

Seniors must be enrolled in at least three credits per semester. Seniors must pass at least six credits in their senior year to be eligible to participate in graduation ceremonies. Exceptions will only be made by the principal in individual cases where there are Career Pathway accommodations. Only those students who are currently seniors and have successfully completed all high school credit requirements and have missed no more than 10 unexcused hours during the second semester of their senior year may participate in the graduation ceremony. These 10 unexcused class hours start second semester once the child has reached the 10 days (totaling 80 hours per year) which are allowed by the State of WI. It is the responsibility of the students and parents to see that all graduation requirements are met.

FOUR YEAR PLAN - CREDIT REQUIREMENTS	
English	4
Social Studies	3
Mathematics	3
Science	3
Physical Education	1.5
Additional Credits	9.5
Health	0.5
Computer Essentials	0.5
TOTAL REQUIRED CREDITS	25

GRADE 9 REQUIRED COURSES	
Course Name	Credits
English 9	1
Math	1
Physical Science	1
Government/Geography	1
Physical Education	0.5
Computer Essentials	0.5
Electives	2.0
TOTAL REQUIRED CREDITS	7

GRADE 10 REQUIRED COURSES	
Course Name	Credits
English 10	1
Math	1
Biology	1
US History	1
Physical Education	0.5
Health	0.5
Electives	2.0
TOTAL REQUIRED CREDITS	7

GRADE 11 REQUIRED COURSES*	
Course Name	Credits
American Literature	1
Math	1
Science	1
Physical Education	0.5
Electives	3.5
TOTAL REQUIRED CREDITS	7

GRADE 12 REQUIRED COURSES	
Course Name	Credits
English Semester Elective	0.5
English Semester Elective	0.5
Senior Studies	0.5
Electives	4.5
TOTAL REQUIRED CREDITS	6

*Starting with the Class of 2028, Personal Finance will be required in 11th Grade. This is a 0.5 credit course that will be added to the 'Additional Credits' category.

ACT 150 - Physical Education/Sport Credit

Students may waive 0.5 credit of Physical Education once during high school in order to take an additional academic core course beyond graduation requirements when participating in at least one full season of a varsity athletic activity. Completion of waiver form required. See your school counselor.

Civics Test Requirement

Beginning with the 2016-2017 school year, and in accordance with 2015 Wisconsin Act 55, high school students must pass a civics test consisting of 100 questions at some time during their high school years in order to graduate.

These questions are required to be identical to the 100 questions that may be asked of an individual during the process of applying for U.S. citizenship. In order to pass this test, the student must answer at least 60 of these questions correctly within a single administration of the 100 questions. Students are allowed to retake the test an unlimited number of times in order to achieve the passing score of 60 or better.

Students with disabilities who have an individualized education program (IEP) must complete the test but are **not** required to pass the test in order to graduate.

A limited-English proficient student must be afforded the opportunity to take the civics test in the student's language of choice.

The civics test required also applies to a student who is seeking a general education diploma (GED) or high school equivalency diploma.

ART

Art 1: Introduction to 2-Dimensional Design **Credit:** ½ (Class Size Limit: 20) **Required: No** **Prerequisite:** Freshman - Senior Standing	The fundamentals of drawing, painting, printmaking, with an emphasis on the elements and principles of design will be the primary focus of this course. The study of aesthetics (philosophy of art), art history and critical analysis (reading art works) will be incorporated into each art project.

Art 2: Introduction to 3-Dimensional Design **Credit**: ½ (Class Size Limit: 20) **Required: No** **Prerequisite**: Freshman - Senior Standing	The fundamentals of hand-built ceramics (clay), clay wheel building, reductive sculpting, and sculptural exploration in mixed materials will be the focus of this class. The study of art history and critical analysis will be incorporated into every project.

Art 3: General Art Exploration **Credit:** ½ (Class Size Limit: 20) **Required: No** **Prerequisite:** Sophomore - Senior Standing and Art 1 & Art 2 with a passing grade.	This course's focus is to give the student a wide variety of hands-on processes and techniques. You can expect to explore and build upon the variety of 2D and 3D art creating techniques you learned in Art 1 and 2. You will work with reductive sculpting, wheel build ceramics, large scale hand-built clay sculptures, acrylic painting, mixed media 2D drawings, and much more. Projects and materials are subject to change based on the instructor's preferences. Advanced students (you can take this course twice *only* with Art teacher's approval) will have the freedom to explore each unit in a more individual program. A final project will count as the final exam. ***This course can be taken a second time only with Art Teacher's approval as an independent study.**

Art 4: General Art Exploration **Credit:** ½ (Class size limit 20) **Required: No** **Prerequisite:** Sophomore thru Senior Standing and Art 1 and Art 2 with a passing grade.	Art 4 is similar to Art 3 where a lot of processes and techniques are explored, allowing students more exploration in the rich field of art. You will explore advanced painting and watercolor techniques, mixed media drawing, hand-built and wheel-built clay, block and screen printing, and 3D cardboard painting. Materials and projects are subject to change based on the instructor's preferences. Advanced students (you can take this course twice *only* with Art teacher's approval) will have freedom to explore each unit in a more individual program. A final project will count as the final exam. ***This course can be taken a second time only with Art Teacher's approval as an independent study.**

Art 5: Advanced Art Exploration **Credits:** ½ **Required: No** **Prerequisite:** Junior - Senior Standing .	Art 5 is designed to give the students a variety of 2 & 3 dimensional design studio experiences, as well as expand the student's knowledge in contemporary art trends and major historical and current events in art. This course may be held separately or folded into an Art 3 or Art 4 course. A final project and/or paper may count as the final exam.

BUSINESS, INFORMATION TECHNOLOGY, and MARKETING

Computer Essentials I **Credit**: ½ (Class Size Limit:19) **Required: Yes** **Prerequisite:** Freshman - Senior Standing	In this hands-on class, you will learn by creating documents, spreadsheets, and presentations in Microsoft Office, you will explore computer basics, reinforce your keyboarding skills, learn hardware basics, troubleshooting skills, information management basics, and working efficiently. Students will have the opportunity to obtain industry certification in Microsoft Word, Excel, and PowerPoint.

Accounting I **Credit:** 1 **Required: No** **Prerequisite**: Junior or Senior Standing (Sophomores with teacher recommendation). Introduction to Business is recommended	If you like working with numbers and have an eye for detail, try Accounting! Follow the accounting cycle as you keep accurate financial records for a small or large proprietorship, partnership, or corporation. Use spreadsheets and accounting software to prepare financial statements. As a bonus, the job outlook for accountants is excellent. If you plan on going into a career in business, this class is a must-take and a requirement in any college (2-year OR 4-year) business program.

Accounting II **Credit:** 1 **Required: No** **Prerequisite**: Junior or Senior Standing and Accounting I	Continue to expand your knowledge of accounting. Use this course to prepare for a career in business; whether you plan on attending a university or technical college. You will learn accounting procedures for a publicly held corporation, nonprofit organizations, and partnerships. You will learn about special accounting systems, how to examine ownership equity, how to interpret and understand business information from financial statements, and how to use accounting for business decisions. We will also explore computerized accounting in this course and work in QuickBooks.

Principles of Business	Learn about how businesses are organized, the role

Credit: ½ (Class Size Limit: 18) **Required: No** **Prerequisite:** Freshman - Senior Standing	management and leadership play in business, human resources, how culture and diversity affect the work environment, marketing, and financial management. You will also learn about your role as a consumer and how it affects our economy. There are several projects involved in this course, and we will analyze how each person's performance affects the project outcome.

Graphic Design **Credit:** ½ (Class Size Limit: 10) **Required: No** **Prerequisite:** Computer Essentials I	Acquire training in news-writing, page layout and design, and photography. Design various projects that combine graphics and text such as bookmarks, business cards, calendars, and magazine covers. We work with design principles, color theory, graphics, and fonts. Learn how to use powerful software including Adobe Photoshop, Adobe InDesign, and Microsoft Publisher. If you like designing things and working with pictures and text, this is the class for you!

Advanced Graphic Design (Yearbook) **Credit:** 1 (Class Size Limit: 10) **Required: No** **Prerequisite**: Sophomore – Senior Standing, Graphic Design, and teacher recommendation	Be a part of designing and producing *The Chief, Shiocton High School's* yearbook. Advanced training will be given in photo editing, layout, and page design to produce quality yearbook pages that positively represent Shiocton High School. Taking photos at school events and being able to work independently as well as part of a team is required. Create a yearbook that will make the students and community of Shiocton proud. This class can be taken more than once.

Business Management/School Store **Credit**: ½ (Class Size Limit: 4) **Required: No** **Prerequisite:** Junior or Senior Standing (Freshman and Sophomores with Teacher Approval), Introduction to Business Interview required.	This unique, job-based course is a resume builder for both college and/or workforce. As a select group of managers of a school-based operation, you will receive hands-on experiences in a retail and management environment. This is a project/application-based class. This course can be put into your schedule where it fits and can be done independently. You will work individually and as a team to manage the Chief Spirit Lodge to meet and exceed customer expectations. Your interview will determine your position and specific job duties within the school store. This class can be taken more than once.

Personal Finance	Personal Finance covers the basic principles needed for effective personal finance management including financial

Credit: ½ **Required: No** **Prerequisite:** Sophomore - Senior Standing *This will be required for the graduating Class of 2028.	decision making through the creation of a financial plan and budget, career and income decisions, taxes, risk management, the proper use of credit, banking procedures and services, and the importance of saving, investing, and planning for the future. Units of study include credit, income taxes, asset protection, investments, retirement, and estate planning. Students will learn through a variety of mediums including articles, videos, games, and projects. Units of study include Behavioral Economics, Banking, Investing, Types of Credit, Managing Credit, Paying for College, Career, Insurance, Taxes, Budgeting, and Consumer Skills.

<u>Photography</u> **Credit:** ½ **Required: No** **Prerequisite:** Instructor's/Principal's recommendation, have access to a digital camera, and Freshman - Senior standing.	Students will explore digital photography using DSLR cameras. Photographic history and trends are discussed and experienced through projects. Students will learn how aperture, shutter speed, and lighting affect photograph quality. We will also focus on composition and how utilizing various composition techniques affects the visual interest of a photograph. Various software packages utilized by professionals will be taught and incorporated into class projects. A strong focus on photographic technique will elevate a student's abilities.

ENGLISH

<u>English 9</u> **Credit:** 1 **Required: Yes** **Prerequisite:** Freshman Standing **NCAA Approved**	The English 9 curriculum will help students improve their reading comprehension and strategies, formal writing abilities, and speaking skills. Weekly grammar and vocabulary instruction will help improve language skills. The assigned literature includes a unit on poetry, the Shakespearean drama *Romeo and Juliet*, many short stories, and longer works including *Fahrenheit 451,* and other works within a choice novel unit. Small group and individual presentations are required throughout the year to enhance students' communication skills. The year-long focus on writing will help students improve paragraph and sentence structure and write well-structured essays.

English 10 **Credit**: 1 **Required: Yes** **Prerequisite:** English 9 **NCAA Approved**	English 10 is a year-long course focusing upon reading and analyzing literature and informational texts, writing effectively for a variety of audiences and purposes, and improving speaking and listening skills. Grammar and vocabulary study are also included to expand and refine students' language skills. In reading, there will be a strong emphasis on strengthening critical thinking skills and close reading strategies as students analyze literature from multiple genres, periods and cultures. Emphasis is also placed on accountable discussion of literature. In addition, students will learn how to strengthen their writing, as they practice each step of the writing process through a variety of writing exercises, both formal (essays, memoirs, research projects) and informal (creative writing, journals, reading responses). Finally, collaboration is another important aspect of this course, as students will work with peers to provide feedback on each other's writing and to share various perspectives on the literature studied.

American Literature and Composition **Credit**: 1 **Required: Yes** **Prerequisite:** English 10 **NCAA Approved**	American writers have left their stamp on our country's history. This course will study American authors' works and their effect on our society and history. Themes such as the American dream, political discord, brotherhood, and freedom will be analyzed in novels written by authors like Fitzgerald, Miller, and Lee, along with many informative texts. In conjunction with these texts, students will write arguments, narratives, a research document, and analysis using textual evidence.

Senior English
Credit: 1
Required: Yes
Prerequisite: English 9, English 10, and American Literature and Composition

Senior English Courses Include:

English 12 **Credit**: 1 **Prerequisite:** Senior Standing **NCAA Approved**	In this year-long course, students will develop their critical thinking and reading skills through the study of both short stories and non-fiction texts. Additionally, students will participate in book club discussions about contemporary choice texts. Students will also improve their narrative description skills through both creative and personal writings, including the completion of a senior portfolio. Throughout the course, students will refine their writing skills, improve their grammar and vocabulary usage, and participate in accountable discussions of literature.

Written Communication **Credit**: ½ (Class Size Limit: 20) **Prerequisite:** Senior Standing **Dual Credit FVTC Course** **Written Communication** **NCAA Approved**	Written Communication is a dual-credit, semester-long course in technical reading and writing offered in the fall semester. Students will learn effective reading and writing strategies for application in a variety of careers. Students will also become proficient in document design, reading and writing research documents in business-related settings, writing short reports, writing and effectively interpreting business correspondence, and in preparing and interpreting business-related presentations and internal communications. This course is offered in partnership with Fox Valley Technical College. To earn dual credit, a student must earn a "C" average in the course based on FVTC's grade scale.

Oral/Interpersonal Comm **Credit**: ½ (Class Size Limit: 20) **Prerequisite:** Senior Standing **Dual Credit FVTC Course** **Oral/Interpersonal Comm** **NCAA Approved**	This dual-credit semester-long course, offered in the spring semester, focuses on developing various communication skills including speaking and listening. Students practice intrapersonal and interpersonal and nonverbal communication skills through oral presentations, group activities and written projects. Major speeches will include demonstration, informative, and persuasive topics. This course is offered in partnership with Fox Valley Technical College. To earn dual credit, a student must earn a "C" average in the course based on FVTC's grade scale.

FAMILY AND CONSUMER SCIENCES

Teen Living **Credit**: ½ (Class Size Limit: 15) **Required: No** **Prerequisite**: Freshman or Sophomore Standing **Career Pathways:** This is an overview class, all pathways listed below are included in this class.	Teen Living is an activity based course designed to provide students with an introduction to some of the Family & Consumer Sciences areas: Consumerism, child care, interior design, clothing design, and food & nutrition. Employability skills will be the underlying focus throughout this project based class.
Clothing, Textiles, and Merchandising **Credit:** ½ (Class Size Limit: 12) **Required: No** **Prerequisite**: Freshman - Senior Standing **Career Pathways:** Merchandising, Professional Sales, Manufacturing, Production Process Development	Do you like fashion? Do you like to shop? Do you think working in the retail industry would be interesting? Students in Clothing Textiles and Merchandising will study elements of design and how they relate to clothing design and construction. Students will learn the fundamentals of the business of fashion and retail. Students will also create window displays, construct basic clothing, household items, or craft items. Consumer buying of clothes and household items made from fabrics will be discussed. Care of clothing, laundry, and mending will be covered. Careers in the fashion industry will be researched. **Students will pay for project materials and supplies.**
World of Foods **Credit:** ½ (Class Size Limit: 20) **Required: Culinary Basics** **Prerequisite**: Freshman – Senior Standing **Career Pathways:** Hospitality, Tourism, Lodging and Beverage Services, Family Services	Do you want to travel? Do you find yourself watching cooking shows? Do you like to try new things? In World of Foods, students will tour the world through studying food and culture. We will also focus on meal management, food preservation & food storage, time management, and resources that relate to food. Working well with others, job delegation, responsibility, and safety & sanitation will also be stressed.
Culinary Basics **Credit:** ½ (Class Size Limit: 20) **Required: No** **Prerequisite:** Freshman - Senior Standing **Career Pathways:** Food Processing and Processing Systems, Diagnostic Services, Support Services, Health Informatics, Therapeutic Services	This course teaches you the basics in the kitchen. Whether you are planning a career in the food/hospitality industry or want to know how you can prepare healthy food affordably when living on your own, this course is for you. Labs will reinforce concepts of safety, sanitation, measuring, nutrition and budgeting. Students will learn about home and commercial equipment, menu planning, cooking techniques budgeting with food.

Culinary Advanced **Credit:** ½ (class size limit 20) **Prerequisite:** Culinary Basics **Career Pathways:** Food Processing and Processing Systems, Health Informatics, Hospitality and Tourism	Once you have learned the basics, we'll develop your skills as we study and practice the various techniques used in preparing proteins, breads, grains, pastries, fruits/vegetables, and preserving food. We'll develop menu planning skills for home use and see how that translates to industry.

Housing and Interiors **Credit**: ½ **Required: No** **Prerequisite:** Freshman - Senior Standing **Career Pathways:** Construction, Design, Merchandising, Professional Sales	Do you love watching HGTV and home improvement shows? Do you rearrange your rooms at home all the time? Are you thinking about a career in home construction, real estate, or interior design? Housing and Interiors addresses how to select and plan living environments to meet the needs and wants of individuals and families throughout the family life cycle. Economic, social, technological, environmental, maintenance, and aesthetic factors will be studied. Students will demonstrate an understanding of these factors as they design a plan for a house complete with floor samples, color schemes, lighting plan, fabric samples, furniture styles, and more. Careers in the housing industry will be studied. Field trips to parade homes and area businesses that are a part of home construction may be part of the course.

Parenting & Child Development **Credits:** ½ **Required: No** **Prerequisite:** Freshman - Senior Standing **Career Pathways:** Humans Services, Early Childhood Development Education Services, Family and Community Services, Teaching and Training	Do you like children? Are you thinking about a career in caring for others? Teachers, health care professionals, counselors and social workers all need to know how we develop and why we do some of the things we do. In *Parenting & Child Development*, you will discover how we grow and care across the lifespan. You will have the opportunity to learn about the stages of development from the decision to parent through early childhood. Discipline, the importance of play & common childhood problems, and careers related to child care are discussed.

Interpersonal Relationships

Credit: ½ (Class limit 20)
Required: No
Prerequisite: Freshman-Senior standing
Career Pathways: Consumer Services, Counseling and Mental Health Services, Early Childhood Development and Services, Family and Community Services, Personal and Care Services, Support Services and Therapeutic Services

Getting along with others is fundamental in today's society. Employers cite the ability to positively interact with others as a key skill in the workplace. Family relationships lay the foundation for developing these skills. This course will focus on: building effective communication skills, conflict resolution in families and in the workplace, healthy relationships, self esteem, and self respect.

Food Services

Credit: ½ (Class Size Limit: 15)
Required: No
Prerequisite: Junior or Senior Standing
Career Pathways: Food Products and Processing Systems, Lodging, Travel, Tourism, Restaurant, Food & Beverage Services

Have you thought about having your own restaurant? Do you currently work in the food service field? Have you thought about going to FVTC in the culinary program? A simulated food production company will be the main activity as students study meal planning, safety, sanitation, quantity food production, and standardization & cost control. This course is designed to provide the background for students who wish to obtain possible employment in the food industry. Students will work to build their list of employment skills that are readily applicable to employment as they work in the food production company.

Intro to Health Occupations

Credit: ½
Required: No
Prerequisite: Sophomore to Senior Standing
Career Pathways: Family and Community Services, Diagnostic Services

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Are you interested in a career in radiology, optometry, nursing, physical therapy, sports medicine, pharmacy, dentistry, occupational therapy, veterinary medicine, dietetics or just know you want to do "something medical?" Introduction to Health Occupations is designed to introduce students to the knowledge and skills necessary for pursuing a career in a health related field. Students will explore some of the many career opportunities in the health and medical field through job shadowing, guest speakers, health care professional interviews, and simulation activities, students will learn about the skills and knowledge needed for a career in health care. This course is available with Dual Credit for 2 elective credits with FVTC: Culture in Healthcare (2 cr).

Life Skills

Credit: ½
Required: No
Prerequisite: Approval of teacher or guidance department

Are you ready to handle living on your own? What will you do for work? Where will you live? How will I manage my money and pay bills? What am I going to eat? We work to help you find answers to these questions and more in Life Skills.

WORLD LANGUAGES (Foreign Languages)

Spanish I **Credit**: 1 (Class Size Limit: 27) **Required: No** **Prerequisite**: "C" average overall or teacher approval **NCAA Approved**	Spanish I is a beginning level foreign language class in which students will focus basic communication through grammar and vocabulary focused on description, daily activities, school, food, etc. Students will also explore the culture and geography of different Spanish-speaking countries. Videos, music, readings, and food are all used in class to expose students to realistic language and culture. A cultural focus will be on celebrations and festivals in Spanish-speaking countries. Students should leave the class being able to give basic information about themselves and talk about what people are doing.

Spanish II **Credit:** 1 (Class size limit: 25) **Required: No** **Prerequisite:** Sophomore – Senior standing. "C" average in Spanish I or teacher approval **NCAA Approved**	Spanish II is a continuation of Spanish I. Students will review and then build upon the vocabulary and grammar learned in Spanish I. Students are exposed to communication in the past as well as in the present. Videos, music, the internet, and more are all used in class to expose students to realistic language and culture. Vocabulary will focus on traveling, daily routines, sports, and telling stories and legends. There is a cultural focus on different styles of music and dance. Students should leave the class being able to tell basic stories about things that happened.

Spanish III **Credit**: 1 (Class size limit: 20) **Required: No** **Prerequisite:** Sophomore – Senior Standing, B average or better in Spanish II or teacher approval **NCAA Approved**	This is a continuation of Spanish I and II. Students will review and build on basic concepts at an advanced level. Speaking & verbal communication skills will be emphasized. Students will be exposed to a variety of more advanced grammar concepts such as the future and conditional tenses and the subjunctive. Students will also explore cultural, historical, and readings from various Spanish-speaking areas. Vocabulary will focus on real-world topics, such as helping in the community, environmental issues, and professions. Students should leave this class with a solid foundation of vocabulary and the ability to talk about the past, present or future.

Spanish IV **Credit:** 1 (Class Size Limit: 20) **Required: No** **Prerequisite:** Junior or Senior standing, B average or better in Spanish III or teacher approval **NCAA Approved**	All prior grammar and vocabulary concepts are reviewed and built upon in order to prepare for advanced study at a post-secondary level. Advanced study of Spanish-speaking cultures focuses on art, literature, history, and culture. Students will use the Spanish language as a means to study, read, and discuss a variety of topics. Students will continue to build and use their vocabulary and grammar knowledge to talk about topics such as excursions in the city, professional and educational opportunities, and workplace communication. Thematic days will give students exposure to real-world topics of discussion, idiomatic and regional language, and music.

HEALTH AND PHYSICAL EDUCATION

Tenth Grade Health **Credit:** ½ **Required: Yes** **Prerequisite:** Sophomore Standing	Tenth Grade Health will focus on life skills, such as goal setting, communicating effectively, being a wise consumer, evaluating media messages, using community resources, practicing refusal skills, and making decisions. Content areas include human relations; mental/emotional health; fitness and nutrition; human growth and development; CPR (certification not required); effects of alcohol, tobacco, and other drugs.

Advanced Health **Credit**: ½ (Class Size Limit: 16) **Required: No** **Prerequisite:** Junior or Senior Standing and passing grade of **B** or better in Health **Fee:** Free	Advanced Health is a semester-long course for juniors and seniors who are interested in furthering their knowledge of health, wellness, and life skills. This course will expand upon and enhance the life skills previously learned and will seek to examine personal health, effective communication, alcohol, tobacco, drugs, human growth and development, health careers and CPR/AED certification. We will also have a community drive for the Neenah Children's Hospital. CAPP Opportunities (see below)

CAPP Opportunities through UW-Oshkosh: Advanced Health	
Personal Health and Wellness -106 **Credits: 3**	**Personal Health and Wellness - 106 (3 credits)** This course will walk through Wellness with a focus on personal control over the choices and behaviors we make. Identifying and talking about some current health trends and identifying why people do what they do and perhaps risk their health and wellness will be a repeated discussion point. In class, we will also look carefully and analytically at valid health sources to discuss current health and wellness topics and the value of scientific research for extremely personal and real health concerns. Throughout the course, we will also take some time to explore the triad of Rest and Mindfulness, Eating habits and Movement choices. Students will become personally familiar with dimensions of health and wellness, as well as Life Balance. A considerable amount of time will be dedicated to mindfulness practices offering students time and place to give attention to their world through a slower pace and hopefully more meaningful lens. Components of the course include mindfulness, learning to breathe, stress management, resilience, stages of change, hierarchy of needs, nutrition analysis, and a weekly REM log.

CPR, AED, and First Aid - (1 Credit) 	**CPR, AED, and First Aid - (1 Credit)** The course serves to provide students the understanding and hands-on experience in providing cardiopulmonary resuscitation, automatic external defibrillator and first aid to the community including infants (NO AED), children and adults following the American Heart Association course requirements. Certification cards are issued if the participant passes the written and skills portion of the class. Laboratory experiences will be included in the course.
Active Lifestyle PE 105 (2 credits) 	**Active Lifestyle PE 105 (2 credits)** This course is a contemporary examination of the effects of lifestyle, wellness, and health promotion on the health of the individual. The class includes procedures for self-evaluation and the development of an individualized wellness program. Participation in a self-designed activity program is required.
Jogging PE 103 (1 credit) **Weight Training PE 113** **(1 credit)** 	**Jogging PE 103 (1 credit)** This course is concerned primarily with cardiovascular function, training, and assessment through jogging. Students will learn and apply the fundamentals of a jogging program, and how this can improve one's cardiorespiratory function and quality of life. A 5k final assessment will be completed.

<u>Physical Education 9-12</u> **Credit**: ½ (Class Size Limit: 25) **Required: Yes** **Prerequisite**: Freshman Standing	Students will have access to Digital PLT4M individual exercise programs. Students will be asked to choose either Personal Fitness or Athletic Performance Programs on PLT4M. Students will be expected to utilize PLT4M two to three days per week. Team sports and lifetime activities are offered two to four days per week. Safety, courtesy, rules, strategies and good sportsmanship will be emphasized. Grading will be based on participation and assessments for the quarter. A letter grade on percentage calculation will be earned. **See below for sports activities offered.** <u>PE 9 - 12 Sports Activities Offered</u> Softball, Basketball, Soccer/Speedball Floor Hockey, Flag Football, Volleyball Eclipse Ball, Badminton/Pickleball The course outline is subject to change based upon weather conditions, class sizes, and/or equipment availability. A student must submit a doctor's excuse EVERY YEAR in order to be exempt from taking physical education classes.

Honors Phy Ed **Credit:** ½ (Class Size Limit: 20) **Required: No** **Prerequisite**: Senior Standing UNIVERSITY OF WISCONSIN OSHKOSH	This class is similar to the other phy-ed classes, but at a more competitive level. As part of Honors PE, seniors may elect to take college credit courses through UW-Oshkosh. ***Credit and Cost:** This course is offered for dual credit (0-3 credits) through UW-Oshkosh. Cost to take for a dual credit is approximately $100 per credit. **PE 105 Active Lifestyle (online) - 2 credits** Course description: This course is a contemporary examination of the effects of lifestyle, wellness, and health of the individual. The class includes procedures for self-evaluation and the development of an individualized wellness program. Participation in a self-designed activity program is required. **PE 109 Beginning Basketball - 1.0 credit** Course description: The purpose of this course is to introduce students to beginner basketball techniques and skills associated with basketball programs. An emphasis will be placed on safety, conservation, and hands-on experiences. **PE 138 Beginning Badminton - 1.0 credit** Course description: The purpose of this course is to introduce students to beginner badminton techniques and skills associated with badminton programs. An emphasis will be placed on safety, conservation, and hands-on experiences. **PE 103 Beginning Jogging - 1.0 credit** Course description: The purpose of this course is to introduce students to beginner jogging techniques and skills associated with jogging programs. An emphasis will be placed on safety, conservation, and hands-on experiences. **See PE instructor for more details.**

Kinesiology **Credit**: ½ (Class Size Limit: 15) **Required: No** **Prerequisite:** Junior and Senior Standing and passing grade of **B** or better in Health	Kinesiology will consist of 90 class periods, meeting daily, for the duration of the semester. Content areas to be covered include: *Anatomy* (muscles, bones, joints, insertion/origins, muscle movement classifications, muscle attachment, anatomical locations, etc.); *Biomechanics* (forces, levers, and mechanics); *Sports Injuries* (signs, symptoms, prevention, and rehabilitation); *Exercise Fitness LAB* (Wednesday and Thursday we will utilize the information learned that week). CAPP Opportunities (see below)

CAPP Opportunities through UW-Oshkosh: Kinesiology	
CPR, AED, and First Aid - Kinesiology-104 (1 Credit)	The course serves to provide students the understanding and hands-on experience in providing cardiopulmonary resuscitation, automatic external defibrillator and first aid to the community including infants (NO AED), children and adults following the American Heart Association course requirements. Certification cards are issued if the participant passes the written and skills portion of the class. Laboratory experiences will be included in the course.
Active Lifestyle - PE 105 (2 credits)	This course is a contemporary examination of the effects of lifestyle, wellness, and health promotion on the health of the individual. The class includes procedures for self-evaluation and the development of an individualized wellness program. Participation in a self-designed activity program is required.
Jogging - PE 103 (1 credit)	This course is concerned primarily with cardiovascular function, training, and assessment through jogging. Students will learn and apply the fundamentals of a jogging program, and how this can improve one's cardiorespiratory function and quality of life. A 5k final assessment will be completed.
Weight Training - PE 113 (1 credit)	**Weight Training PE 113 (1 credit)** Basic understanding of fitness, strength, and endurance. Demonstrate correct form on all warm-up, cool-down and weight training techniques. Understand all the safety aspects of weight training. Upon completion of this course, students will be able to: 1. Understand the physical and emotional benefits of weight training. 2. Demonstrate a basic understanding of the major components of fitness: strength, endurance, and flexibility. 3. Demonstrate proper warm-up, stretching, spotting, and cool-down techniques. 4. Understand the safety issues involved with weight training. 5. Design a personal weight training program. 6. Show an increase in personal strength.

MATHEMATICS

Fundamentals of Math **Credit:** 1 **Required: No** **Prerequisite**: Upon teacher recommendation, Grade 11-12, teacher approval	This course provides a survey of relevant mathematical topics *based on the concepts taught in the Basic Math Skills class at Fox Valley Technical College.* Realistic problems will be solved using mathematical modeling, the selection of appropriate tools, and mathematical perseverance. Problems are approached arithmetically, investigated geometrically with graphic representations, and represented by the writing and solving of equations. Upon completion, students should be able to solve practical math problems, reason and communicate with mathematics, and work confidently, collaboratively, and independently. This course will prepare students for college mathematics while reviewing important topics from algebra, geometry, and triangle trigonometry. Other areas of study will also include evaluating expressions/equations, fraction/decimal operations, percents, ratios and rates, statistics, probability.

Algebra I **Credit:** 1 **Required: No** **Prerequisite:** Recommendation from Grade 8, or Intro to Algebra **NCAA Approved**	Algebra I is often defined as "generalized arithmetic." Concepts of arithmetic are taken and translated using symbols and letters in place of numbers and words. Topics covered include: writing, graphing, and solving linear, exponential and quadratic equations; writing, graphing, and solving inequalities; solving systems of equations; operations with algebraic fractions, square roots; solving of word problems, basic statistics. The principles learned in Algebra I are a necessary requirement before the successful study of advanced mathematics or science can be made.

College and Career Readiness Math **Credit**: 1 **Required: No** **Prerequisite:** Geometry and with Teacher Recommendation	The goal of this course is to enable students to become college and career ready. What does it mean to be “college and career ready”? It means a high school graduate has the mathematics knowledge and skills necessary to qualify for and succeed in entry-level, credit-bearing college courses without the need for remedial coursework. Being ready for a career means a high school graduate has the mathematics knowledge and skills needed to qualify for and succeed in postsecondary job training and/or education necessary for their chosen career. This course will approach being college and career ready by improving students’ understanding of Algebra, Geometry, Trigonometry, and Introducing Algebra 2 concepts.

Algebra II **Credit**: 1 **Required: No** **Prerequisite:** Sophomore – Senior Standing and Algebra I **NCAA Approved**	Algebra II is involved with broadening the topics mastered in Algebra I. New concepts are introduced that deepen the student's understanding of higher mathematics. Topics covered include: functions, graphing, difficult word problems, roots and powers higher than squares, techniques of solving quadratic equations, logarithms, transformations of functions, exponential functions, trigonometry & statistics, and probability.

Geometry **Credit:** 1 **Required: No** **Prerequisite**: Freshman – Senior Standing and Algebra 1 **NCAA Approved**	Geometry consists of the study of point, line, and plane relationships. These are further extended to the study of plane and solid geometric figures. Emphasis is placed on a logical system of forming conclusions in the form of deductive proofs. Topics covered include: transformations, congruent triangles, polygons, triangle inequality theorems, similar polygons, properties of proportions, computation of triangle parts, the Pythagorean Theorem and its application to special triangles of trigonometry, circles, constructions and locus, surface area and volume, principles of logic, transformation geometry, and topics of coordinate geometry. Use of both compass/straightedge and computer software will be emphasized to help students explore the various relationships between geometric objects.

Trigonometry **Credit:** ½ **Required: No** **Prerequisite:** Junior or Senior Standing and Geometry, Algebra II Sophomores concurrently enrolled in Algebra II **NCAA Approved**	Topics studied will include the six trig functions, their graphs, trig identities, trig equations, and applications of trigonometry. Further topics include: addition, subtraction, double and half angle formulas, polar coordinates, DeMoivre's Theorem for computation of powers and roots of complex numbers, and vector applications.

Pre-Calculus I **Credit:** 1 **Required: No** **Prerequisite**: Junior or Senior Standing and Geometry, Algebra 2 **NCAA Approved**	Plane geometry of points and lines; the study of linear, quadratic and polynomial functions; advanced inequalities; absolute value; exponents and logarithms; and advanced topics concerning functions. Additionally, the course will cover Analytic geometry of the conic functions; graphing advanced functions; the algebra of vectors, determinants; matrix algebra; dimensions and space and related topics of solid analytic geometry.

AP Calculus **Credit**: 1 **Required: No** **Prerequisite**: Pre-Calculus **NCAA Approved**	This is an advanced placement course that brings together all aspects of mathematics. This class focuses on properties of derivatives and integrals as well as their applications. Topics include: graphical analysis, limits of functions, graph behavior, continuity, derivatives and their applications, integrals and their applications, and the Fundamental Theorem of Calculus.

Introduction to Computer Science I **Credit**: ½ **Required: No** Semester Course - Grades 9 – 12 Prerequisite: None The teacher of this course has the ability to teach courses for math credit. With a passing grade, this course can count for elective Math credit. Elective math credit cannot replace Algebra 1, Geometry, or Algebra 2	The Introduction to Computer Science with MakeCode Arcade curriculum was adapted from the original TEALS Introduction to Computer Science curriculum and built with Microsoft MakeCode Arcade as its core teaching platform using a game-based learning approach to engage a diversity of students. The original TEALS course has been successfully implemented in hundreds of high schools. The course explores a variety of basic computational thinking and programming concepts through a project-based learning framework. Every unit culminates in a comprehensive project and roughly 75% of student time is spent building projects and practicing the skills they are learning. Semester 1

Introduction to Computer Science II **Credit**: ½ **Required: No** Semester Course - Grades 9 – 12 Prerequisite: Intro to CS I is highly recommended The teacher of this course has the ability to teach courses for math credit. With a passing grade, this course can count for elective Math credit. Elective math credit cannot replace Algebra 1, Geometry, or Algebra 2	Introduction to Computer Science Sem II continues learning in Makecode using text based education. Each semester is divided into a series of units which successively introduces new concepts and reinforces those learned previously. The first semester teaches programming using visual drag-and-drop Blocks and the second semester uses either JavaScript or Python. It is possible to take Semester 1 and Semester 2 independently.

AP Computer Science Principles **Credit**: 1 (Full Year) **Required: No** Grades 9 – 12 Prerequisite: Introduction to Computer Science II The teacher of this course has the ability to teach courses for math credit. With a passing grade, this course can count for elective Math credit. Elective math credit cannot replace Algebra 1, Geometry, or Algebra 2	AP Computer Science Principles is the equivalent of a first-semester, college-level introductory course in computer science for non-majors. The course introduces students to the field of computer science and explores five Big Ideas: (1) Creative development, (2) Data, (3) Algorithms and programming, (4) Computing systems and networks, and (5) Impact of computing. The course also integrates computational thinking practices, including: (1) Computational solution design, (2) Algorithms and program development, (3) Abstraction in program development, (4) Code analysis, (5) Computing innovations, and (6) Responsible computing. Students practice problem solving by developing algorithms and programs and incorporate abstraction into their programs. Students examine the importance of collaboration and diversity when designing, and examine the ethical concerns of designing computing innovations.

MUSIC

Concert Band **Credit:** 1 **Required: No** **Prerequisite**: Middle school band or the discretion of the instructor	High School Band is one of the premier elective classes offered in Shiocton. If you want to develop some of the greatest life skills—such as teamwork, cooperation, accountability, creativity, and many others—then band is for you. If you want to distinguish yourself amongst your peers in order to win scholarships, college admissions, and job opportunities by striving for excellence through the disciplined study of an instrument, then band is for you. If you want to explore the art and craft of music—how it's formed, its beauty and expression, its meaning historically and culturally—then band is for you. If you want to belong to an organization where your individual strengths are valued and integrated into a greater collective, then band is for you. The band is seeking highly-motivated, hard-working students who are creative, cooperative, and fun! Prior experience is preferred but not always required. See director or school counselor for details. Band is a performance-based class focusing on the development of the instrumental musician—individually and collectively. Requirements include performing at concerts and ceremonies throughout the academic year and in pep band at various school and athletic events. Band is an essential part of Shiocton both at school and in the community. Some of the greatest school spirit and integrity are displayed through student contributions in band. Through music, students experience some of the greatest life lessons and skills by developing relationships with one another and bringing together individual strengths to form a greater collective. Each member of the band is equally important, regardless of the instrument you play, the grade you are in, or what part is played.

Concert Choir **Credit**: 1 **Required: No** **Prerequisite**: Love to Sing!	Concert Choir is a one credit, performance based class focusing on developing the singer both individually, and more importantly, as an ensemble. Each member is important and contributes to the overall performance of the choir. Singers will be challenged to demonstrate consistent effort in class as the group works during daily rehearsals. Lessons are required as well as two concerts throughout the school year. Students will also have additional opportunities to perform and travel throughout the year. Through music, students experience great life lessons and collaborative skills. Concert Choir is a non-auditioned choir and if you love to sing, or would love to learn how to sing, this is the place for you.

Dolce Bella **Credit:** 1 **Required: No** **Prerequisite:** Audition Only 10-12 grade	Do you love to sing? Are you able to read music and learn parts quickly? Dolce Bella is a year-long commitment and will consist of a combination of full group rehearsals, sectionals, sight-singing, music theory, and performances. In addition to singing and music, Dolce Bella has many experiences for teamwork and group bonding. There will be two concerts at school each year, as well as other opportunities to perform at school and in the community during the year. There are also opportunities to travel with Concert Choir and band every two years. If you want to sing in a smaller ensemble with several performance opportunities in and out of school, Dolce' Bella could be the place for you. Talk to Mrs. Leahy if you would like to audition. Auditions take place every spring.

Introduction to Music Theory **Credit:** ½ **Required: No** **Prerequisite**: Freshman - Senior Standing	Introduction to Music Theory is open to any music student who has either studied an instrument or participated in a performing group at the high school level. In this semester course students who are interested in learning the principles of reading, writing, composing, and analyzing music will find that challenge. Students will learn elements of music theory including notation, key signatures, major and minor scale construction, intervals, triads, harmony, form and ear training. Students will put their learning into practice through composition. Elements of music history will also be discussed.

Journey through American Music **Credit**: ½ **Required: No** **Prerequisite:** Freshman - Senior Standing	This class travels through American history using music as the medium.; starting from the earliest Indigenous music and moving to the current music trends, we will use foundational music elements to analyze and connect through active listening. No prior music experience is required.

SCIENCE

Physical Science **Credit:** 1 **Required: Yes** **Prerequisite:** Freshman Standing **NCAA Approved**	Physical Science provides an introductory course to the worlds of physics and chemistry. Topics include motion, forces, energy, circuits, electricity, physical/chemical properties, atoms, and the Periodic Table. This course relies on experiments and class discussion to provide a wide range of experience in science. Students will be exposed to laboratory experiments designed to strengthen skills involving the scientific process, model creation, measurement, observation, calculation, data collection, graphing and data processing. **A scientific calculator is highly encouraged.**

Biology I **Credit:** 1 **Required: Yes** **Prerequisite:** Sophomore Standing (Freshman standing may be considered on an individual basis for career pathway planning at the discretion of Principal and School Counselor) **NCAA Approved**	Biology I provides coverage of biological concepts and provides students with a solid foundation needed to understand the expanding role of biology in society. Topics covered include biological principles, cellular biology, microorganisms, invertebrates, vertebrates, and plants. A taxonomic approach is used to study the anatomy and physiology of representative members of the six kingdoms. This course includes lecture and note taking; learning strategies via traditional outlines and graphic organizers; microscopic labs; and dissection labs including the earthworm, squid, crayfish, giant bullfrog, and more. Work in the laboratory will continue to strengthen skills using the scientific method to observe, collect, organize, and analyze data. **A composition notebook is required for this class.**

Biology II **Credit:** 1 **Required: No** **Prerequisite:** Junior or Senior Standing and 80% or better in Biology I **(no pass/fail students)** (Sophomore standing may be considered on an individual basis for career pathway planning at the discretion of Principal and School Counselor) **NCAA Approved**	Biology II is a sequel course to Biology I. Course content includes genetics, a review of the theory of evolution to understand speciation, and comprehensive coverage of human anatomy and physiology. This course includes lectures, cooperative learning strategies, lab experiments, and organ dissections including hearts, kidneys, brains, and visual centers. Work in the laboratory will further develop skills in qualitative and quantitative data collection and data analysis. This is a great course for students planning a career in health related fields and is a prerequisite to CAPP Biology.

CAPP Biology **Credit and Cost:** Biology 105/CAPP Biology is offered for dual credit (4 credits) through UW-Oshkosh. Cost to take for dual credit is $420. **Prerequisites:** Requires one of the following: class rank in the top 30% or GPA of 2.75 or above UNIVERSITY OF WISCONSIN OSHKOSH **NCAA Approved**	CAPP Biology is for the motivated student who is willing to spend an appreciable amount of time on class material. The course is equivalent to a first year college Biology requirement. When registering for college courses, they may take upper-level courses in Biology or register for courses for which Biology is a prerequisite. Other students qualifying may simply pursue their majors in other fields having met their lab-science course in high school. This course covers cellular biology, energetics, molecular genetics, the theory of evolution, simple organisms, plants, and animals. Investigative labs will challenge students to implement experimental designs, manipulate data, draw conclusions, think analytically, and develop hypotheses. Labs include relationships of osmotic potential to solute concentration, chemical titration to measure and calculate rate of enzyme activity, DNA fingerprinting using gel electrophoresis and more.

Chemistry I **Credit**: 1 **Required: No** **Prerequisites**: Junior or Senior Standing, 80% or better in Physical Science, Biology 1, and Algebra 1. (Sophomore standing may be considered on an individual basis for career pathway planning at the discretion of Principal and School Counselor) **NCAA Approved**	Chemistry provides the motivated student with an introduction to chemistry. The course is structured around a particle approach of matter. The behavior of particles in matter, how matter interacts, matter structure, and energy relationships will be explored. Emphasis is equally placed on qualitative and quantitative analysis. The course is designed to provide a sound basis for the behavior of matter in preparation for Advanced Placement or college-level Chemistry. **A scientific calculator is highly encouraged.**

AP Chemistry **Credit**: 1 (Class Size Limit: 12) **Required: No** **Prerequisites**: Senior Standing and 80% or better in both Chemistry I and in Algebra II (Junior standing may be considered on an individual basis for career pathway planning at the discretion of Principal and School Counselor)	Advanced Chemistry is designed to give students experience in advanced chemistry concepts. Students will build upon what was learned in Chemistry I, and prepare themselves to take the AP Chemistry exam by year's end. Topics include Quantum Theory, Thermochemistry, Kinetics, Types of Reactions, Electrochemistry, and many others. The course is fast paced and requires a strong commitment from motivated students. **A quadrille-lined (graph paper filled) lab notebook is required for this course.**

Physics – Models of Light **(Offered in even numbered years)** **Credit:** 1 (Class Size Limit: 16) **Required: No** **Prerequisite:** Junior or Senior Standing and an 80% or better in Algebra 2. With current enrollment, instructor consent may replace the courses. **NCAA Approved**	Models of Light is a Physic course focused on the behaviors of waves and light. Light acts as both waves and as particles. Part of the year will focus on the particle nature of light. This portion provides an opportunity to introduce the students to many of the different behaviors of light and geometric optics. The particle model is very successful in the treatment of straight-line travel, reflection, and energy transfer, but is less successful for refraction and diffraction. To explain such behaviors, we focus on the wave nature of light. The wave model will involve more experience with the nature of waves as well as its appropriateness as a model for light. We will also explore how the wave model can explain the behavior of matter, and how waves travel through matter. This will lead us to an understanding of how waves more accurately predict the light behaviors of refraction and diffraction. The photon model of light is then explored and students are introduced to concepts of atomic structure, spectra, and the quantization of light. **A quadrille-lined notebook, a protractor, and a scientific calculator is required for this course.**

Physics - Classical Mechanics **(Offered in odd numbered years)** **Credit:** 1 (Class Size Limit: 16) **Required: No** **Prerequisite:** Junior or Senior Standing and an 80% or better in Algebra 2. With current enrollment, instructor consent may replace the courses. **NCAA Approved**	Classical Mechanics is an introduction of the study of motion and energy. The course uses the Modeling Method, which fosters a more authentic science learning atmosphere. Students will develop models to help explain observed phenomena, instead of relying on lecture or readings from a textbook. These models will then be used to quantify various scenarios. Students will spend an appreciable amount of time collecting data, analyzing it by various graph making techniques, and then discuss results with their peers. The use of technology is heavily emphasized, and students will be using “whiteboards” to present information and solutions to homework. The physics student should work well in groups as well as on their own. A strong math background is important, as the student will be engaged in a lot of quantitative activities. **A scientific calculator is required for this course.**

Experimental Methods **Credit:** 1 **Required: No** **Prerequisites**: Juniors and Seniors	Experimental Methods is a physical science course that teaches a variety of content, but has its main focus on methods used in constructing experiments, analyzing results, and forming new ideas from experimentation. Students will get an in-depth experience into the scientific method, constructing, organizing, and analyzing a variety of data, proper scientific measurements and calculations involving data. We will explore these topics while investigating a variety of physics and chemistry topics. Topics include periodic motion of pendulums, Hooke’s Law of springs, Archimedes's Principle, gas and liquid behaviors, simple machines, combustion reactions, and other types of chemical reactions. **A scientific calculator is highly encouraged.**

SOCIAL STUDIES/SOCIAL SCIENCES

Senior Studies **Credit**: ½ (Class Size Limit: 22 if possible) **Required: Yes** **Prerequisite:** Senior Standing	This class is designed to prepare students for life upon graduation. Topics of study include: Career planning, completing college/tech/job applications, interview skills, budgeting, banking, credit cards and loans, solutions to financial trouble, as well as important laws to be aware of, marriage, and death.

Life/Vocational Skills **Credit**: 1 **Required: Yes** **Prerequisite:** Teacher Recommendation	This course works on teaching functional academic skills such as counting money, telling time, and calendar skills. Activities also include daily living tasks such as cooking, cleaning, grocery shopping, and eating at restaurants. Students will purchase ingredients to make staff snacks while learning to manage money with the cost/profit involved with the task. Students will also create their own job resume, practice soft-skills required in employment, and have job shadow opportunities. There will be no cost associated with this course to either the student nor their parent/guardian.

U.S. History **Credit:** 1 **Required: Yes** **Prerequisite**: Sophomore Standing **NCAA Approved**	U.S. History is a survey of America's past from approximately 1900 to the Present. This course is divided into several units, each covering a specific time span in American History. Special attention is given to the Gilded Age, WWI, the roaring Twenties, the Great Depression, the New Deal, WWII, and post-war America as well as, the Vietnam Conflict, various civil rights movements Nixon and Watergate We will also explore numerous political and social issues of the 1970s through the early 2000s.

U.S. Government **Credit:** ½ **Required: Yes** **Prerequisite:** Freshman Standing **NCAA Approved**	This course examines the governmental structure in the United States focusing primarily on the national and state level. It consists of eight units of instruction, which cover government concepts, origins, structure, voting and political parties, the branches, the Constitution, and citizenship. Students will also spend time preparing for the citizenship test they must pass to fulfill graduation requirements. Students will leave U.S. Government class with the necessary knowledge and decision making skills to become an active and responsible citizen.

Geography **Credit**: ½ **Required: Yes** **Prerequisite:** Freshman Standing **NCAA Approved**	This course examines multiple facets of United States and World geography. It focuses on landforms, climate, resources, agriculture, industry, population, as well as regional and cultural issues. Students will study the regions of the world with an emphasis on the diversity of culture and customs.

World History **Credit**: ½ (Class Size Limit: 25) **Required: No** **Prerequisite:** Freshman - Senior Standing **NCAA Approved**	World History is an exciting class that explores Ancient Civilization around the globe. Special attention is given to the following areas: Early Man, Ancient Egypt, Greek and Roman influences, the Middle Ages, the Renaissance and Reformation, and the Age of Exploration. If you are interested in finding out more about past peoples of the world, this is the class for you!

Psychology **Credit:** ½ (Class Size Limit: 20) **Required: No** **Prerequisite:** Junior or Senior Standing **NCAA Approved**	This course provides the students with an opportunity to increase their knowledge of human behavior thus becoming more aware of the impact of their behavior on others. It focuses on human development and discovering the world through cognition, thinking, memory, and intelligence.

Multiculturalism **Credit:** ½ (Class Size Limit: 22) **Required: No** **Prerequisite:** Freshman - Senior Standing **NCAA Approved**	Prejudice grows when we believe our way of behaving is best or natural and someone from another culture behaves weirdly and needs to change. In this class you will explore various cultures and realize that we are more alike than we are different. Special emphasis is given to African Americans, Native Americans, and Hispanics as well as different religious views such as Judaism, Christianity, and Islam.

The Presidency **Credit:** ½ (Class Size Limit: 25) **Required: No** **Prerequisite:** Freshman - Senior Standing **NCAA Approved**	The importance of the President of the United States is often understated and misunderstood. Discover the various jobs, duties, and requirements of the US President and their role in history. This course takes a deep look into the lives and legacies of the individuals that have served in the highest office of our nation! The class will also study other topics related to the office of United States President, such as, the White House, presidential campaigns, the Secret Service, and presidential modes of transportation such as “Air Force One.”

Wisconsin History **Credit:** ½ (Class Size Limit: 25) **Required: No** **Prerequisite**: Sophomore through Senior Standing **NCAA Approved**	Discover Wisconsin and the history of the state in which you live. Learn about the famous people, places, and events that have shaped it. Topics covered will range from the first Native Americans in Wisconsin to current issues facing our state today; topics covered will include explorers, the fur trade, statehood, impactful industries both past and present, the role of Wisconsin in the Civil War, the history of Wisconsin sports teams and many more.

Issues in Society **Credit**: ½ (Class Size Limit: 25) **Required: No** **Prerequisite:** Junior or Senior Standing **NCAA Approved**	Discuss current events and issues happening around the US and the world while also studying a broad range of important social issues facing our society today. This course is taught with advanced methods involving a great deal of class discussion and debate. Students will look at both sides of today's issues and form their own stance on the issue. Topics studied include foreign policy, education, minimum wage, the death penalty, social media, and many others chosen by students in the class!

Cinema History **Credit**: ½ (Class Size Limit: 25) **Required: No** **Prerequisite:** Senior Standing	Discover how literature and cinema reflect what was happening in society as you learn about history through great American films, modern and classic. Discover the connection between history, society, literature, and films. Learn how Cinema shows history, as well as makes history. Students will watch on average between eighteen to twenty movies throughout the semester. This course requires the completion of multiple writing assignments of varying lengths.

Scandals and Conspiracies in History **Credit:** ½ (Class Size Limit: 22) **Required: No** **Prerequisite**: Sophomore through Senior Standing (Freshmen with special permission) **NCAA Approved**	This class meanders through many scandals and conspiracies in history as we try to discover the truth about Columbus, and Thomas Jefferson's connections with his slaves. We will also look at Benedict Arnold and the life and assassination of Abraham Lincoln, as well as various topics from the Civil War era and the Gilded Age. We will also explore topics from the 20th century like plots to kill Hitler, the life and death of JFK, the Watergate Scandal, and Extraterrestrials. These topics, as well as many others are discussed in this class. ***Please note**: This class may be offered in a blended-learning format, meaning part of the class would be face-to-face classroom time and part would be online.

Social Injustices **Credit:** ½ (Class Size Limit: 22) **Required: No** **Prerequisite**: Sophomore to Senior Standing (Freshmen with special permission)	This class will explore various social injustices throughout history. We will look at the discrimination and prejudice that allowed these kinds of events to take place as well as the ways groups and individuals have fought, successfully or unsuccessfully, to halt these events. Topics like witch hunts, slavery, the Holocaust and other genocides, civil and human rights, the South African Apartheid, various war crimes, the mistreatment of children (brides, slaves, soldiers, etc.), and the repression of specific genders and/or groups of people as well many other topics will be covered during this class.

CAPP History 201: United States History to 1877 **Credit**: ½ **Required: No** **Prerequisite**: Junior or Senior Standing. Other academic eligibility requirements do apply (see school counselor). ***Credit and Cost:** This course is offered for dual credit (3 credits) through UW-Oshkosh. The cost to take this course for dual credit is approximately $315. Students must meet one of the following requirements for admission to this class: class rank in the top 30%, GPA of 2.75 or above. It is listed at History 201 in the UW-Oshkosh course catalog. UWO UNIVERSITY OF WISCONSIN OSHKOSH	This survey course of United States history explores voyages to unknown territories and early European settlement in North America. It includes discussions of the time when cultures collided and rivalries brewed. The course will examine the struggle of English colonies for independence and the expansion and development of the young American republic. The course will conclude with the tumultuous years of slavery resulting in the Civil War and, ultimately, another conflict in the period of Reconstruction. NOTE: CAPP History 201 and 202 do not need to be taken in sequential order, nor does a student have to take both courses.

CAPP History 202: United States History since 1877 **Credit:** ½ **Required: No** **Prerequisite:** Junior or Senior Standing. Other academic eligibility requirements do apply (see school counselor). ***Credit and Cost:** This course is offered for dual credit (3 credits) through UW-Oshkosh. The cost to take this course for dual credit is approximately $315. Students must meet one of the following requirements for admission to this class: class rank in the top 30%, GPA of 2.75 or above. It is listed at History 202 in the UW-Oshkosh course catalog.	This survey course examines United States History from the end of post-Civil War Reconstruction to (nearly) the present. It includes discussions of events that shaped this country, including the major shift toward industrialization, immigration, Populism and Progressivism, imperialism, World War I, the "Roaring 20s," the Great Depression, and World War II. Our examination will continue through the Cold War era with discussions of the 1950s and the Korean War, the 1960s and 70s, including the Vietnam War and the counterculture movement and will continue with examinations of major events of the 1980s and 90s. This course will conclude with discussions of 21st century topics that shape the world in which we currently live. Throughout this course, we also examine the experiences of the individuals living during these eras, focusing on how gender, race, ethnicity, and class affected their position in society, culture, politics, and, ultimately, history. NOTE: CAPP History 201 and 202 do not need to be taken in sequential order nor does a student have to take both courses.

TECHNOLOGY EDUCATION

Consumer Automotive Technology **Credit:** ½ **Required: No** **Prerequisite: None**	This class will show you how to do general maintenance on today's cars and trucks. Classroom and lab experiences include learning about the operation of the different systems of an automobile. Students will gain skills and knowledge regarding common problems associated with automotive maintenance. Students will be instructed on how to perform the following maintenance task in the lab: changing oil, engine tune-ups, minor electrical repair, brakes, wheel & tires, cooling system testing, and many other basic operations to help you save money and do this work yourself. In the lab students will be able to work on their vehicles or demonstration vehicles. Students will also learn how to purchase or lease vehicles as well as car insurance. This course will aid students who wish to pursue a career in automotive technology, engineering, or just want to be literate about vehicles.

Auto II - FVTC Maintenance and Light Repair **Credit:** 1.0 (2 hour block) **Required: No** **Prerequisite:Automotive Transportation Technology must have a car or access to one and a valid driver's license**	Gain the necessary skills for a high-demand, maintenance-centered automotive career. With this technical diploma, you'll receive hands-on training in automotive braking and electrical systems, as well as steering and suspension systems. Students will also earn a Quick Service Technician certificate. The skills you learn in this program have a strong emphasis on being a professional in the automotive work environment and prepare you to complete the ASE G1 test. **Students can enroll in this course more than one time with the instructor's approval.**

Small Engines and Power Equipment **Credit**: ½ **Required: No** **Prerequisite: None**	This course provides students with an understanding of the theories of operation for power equipment technology for both two- and four-cycle engines. It includes the study of the following systems of small gas engines: ignition, carburetion, electrical, cooling, lubrication, internal parts and maintenance. The class will also include a fundamental understanding of basic power equipment operation and applications, in addition to a core introductory understanding of troubleshooting techniques commonly used by technicians. Safety glasses and good work habits will be required.

Outdoor Recreation **Credit**: ½ **Required: No** **Prerequisite: None**	Outdoor Recreation will allow students the chance to become Wisconsin DNR Certified in Snowmobile, ATV, and Boater Safety courses. Topics of class will include county, state, national, and international environmental travel, outdoor sports and recreational activities. Students will receive hands-on training with the proper use, maintenance and safety of recreational equipment. Students will also be participating in The National Archery in the Schools Program (NASP) where they will learn about competitive archery. There is a $10 certification fee for each Wisconsin DNR certification desired.

Diesel Technology (FVTC - Online) **Credit:** 1 **Required: No** **Prerequisite:** Grades 11-12, Automotive Transportation Technology and an instructor recommendation. 	This course is an introduction to automotive technology from the perspective of both the consumer and the technician. Students will be learning and developing key understandings of technological improvements of vehicles, as well as modern industrial standards involving vehicle repair and maintenance. Students will perform numerous hands-on activities in the class, typically in a lab setting while working on his/her own vehicle to perform a variety of assignments. Emissions, including technological and consumer impacts, will be heavily stressed in addition to the exploration of automotive careers. Safety glasses and good work habits will be required. **Students can enroll in this course more than one time with the instructor's approval.**
Introduction to Technology Education **Credit**: ½ **Required: No** **Prerequisite: NONE**	This course is meant as an exploratory or introductory course into the four main areas of Industrial Technology: Communication, Manufacturing, Construction, and Transportation. Students will be exposed to many experiences in each of these areas both in the classroom and the lab settings. There will be activities and projects related to the following topics: engineering, graphic communication, digital media, enterprise systems, electricity, construction, and energy to name a few. This course applies the STEM (Science, Technology, Engineering, and Math) principles in career simulation projects in high-skill and high-demand careers. Safety glasses and good work habits will be required.
Woodworking I **Credit:** ½ **Required: No** **Prerequisite: NONE**	Woodworking I covers the areas of shop and machine safety, proper use of woodworking machines, use of power and non-power hand tools, construction of joinery, assembly techniques, use of fasteners, wood finishing, exploration of careers, and Computer Numerical Control (CNC) technology. Being a project-based class, students will be able to hone their hands-on abilities, as well as their problem-solving skills. Required projects include a cutting board, mantel clock, one choice project, and a CNC project. Students will be supplied with pine as the base material for their wood projects.
Woodworking II **Credit:** ½ **Required: No** **Prerequisite: Woodworking I**	Woodworking II covers the following areas of woodworking: reading drawings, wood identification, bill of materials, shop and machine safety, proper use of woodworking machines, proper use of power and non-power hand tools, construction and identification of joinery, wood finishing, and installation of hardware. In addition to constructing a nightstand, students will complete a Computer Numerical Control (CNC) project, and a solid surface material project. Students will be supplied with pine as the base material for their wood projects. If they are using a more expensive wood, students are responsible to pay the difference in price. Safety glasses are required. **Students can enroll in this course more than one time with the instructor's approval.**

Cabinet Making and Carpentry **Credit**: 1 (2-hour block) **Required: No** **Prerequisite:** Woodworking and CAD**,** Junior or Senior standing and **must obtain and pay for own materials** All students must have Instructor's recommendation for admission.	The coursework in this class will include shop and machine safety, proper use of woodworking machines, use of power and non-power hand tools, construction of joinery, assembly techniques, use of fasteners, wood finishing, exploration of careers, and Computer Numerical Control (CNC), reading drawings, wood identification, and bill of materials. This class allows each student to select, design, and construct a project of their choice. Topics that will be covered include: furniture styles, design process, joinery, finishing, and safety. This class is project-based, so most of the time will be spent in the lab. NOTE: The cost of a project will depend on size, type of wood used, and the hardware installed. Depending on their project, students may need to purchase their own materials (plywood, hardware, etc.). Although many of the projects made in this course are larger, students can meet the requirements by constructing smaller projects (ex. jewelry box, wall vanity, etc.). Students in the past have built projects for other people (family, neighbors, teachers, etc.), so they did not have to pay anything for the class and actually made money. Safety glasses and good work habits will be required. **Students can enroll in this course more than one time with the instructor's approval.**

Metals 1 - Introduction To Welding **Credit:** ½ **Required: No** **Prerequisite: NONE** Fox Valley TECHNICAL COLLEGE® *Knowledge That Works*	This class focuses on developing students' skills in welding and cutting material related to the transportation trades, including overall safety. Methods of welding include SMAW, GMAW, GTAW, and Oxyacetylene in various positions. Methods of cutting include oxy-fuel and plasma arc cutting of metals. Students will learn to set up and maintain welding equipment, as well as how to weld and cut a variety of types and thicknesses of materials commonly used in the transportation trades. Safety glasses and good work habits will be required. **Students may earn 1 FVTC credit for the course if they complete additional requirements.**

Welding 2 **Credit**: ½ **Required: No** **Prerequisite: CAD** and **Metals I**; Junior or Senior standing; **Instructor Approval required**	This course is an independent study. Students will participate in self-directed learning activities in the welding and fabricating field. Students will design, develop, and produce welding products meeting industry standards. Methods of welding taught will include GMAW, SMAW, and TIG welding in addition to multiple forming operations with a variety of materials. Symbols and print reading will also be taught. Safety glasses and good work habits will be required. **Students may only take this course with instructor approval.**

Metals II - Machine and Fabricating **Credit:** ½ **Required: No** **Prerequisite:** Junior and Senior standing and **CAD** and **Metals I** 	This class focuses on machine tooling and machine set-up as applied to complex projects. Areas of emphasis include precision drilling, milling, turning, precision measurements, and CNC machine tool technology. Problems that arise on projects will be explored by all class members using a manufacturing type environment. Safety glasses and good work habits will be required. Safety glasses are required. **Students may earn 3 FVTC credits for the course if they complete additional requirements.**

Metals III - Design and Fabrication **Credit:** 1 (2 Hour Block) **Required: No** **Prerequisite:** Junior and Senior standing and **CAD** and **Metals II** 	Students who have successfully completed Metals I and II can take this course with the idea that they will complete a major project of their choice. Areas that can be worked in are welding, machine tool technology, sheet metal, and more. Students must select, design, and construct their project. Problems that arise on projects will be explored by all class members using a manufacturing type environment. This class is a capstone metalworking class where students will work from design and layout through the planning and finishing stages, including costing, construction, and assembly. **Students may earn 3 FVTC credits for the course if they complete additional requirements.**

Introduction to Engineering **Credit**: ½ **Required: No** **Prerequisite: CAD**	This class introduces the design process and the tools used in product development. Students learn through hands-on experience the activities that engineers engage in through the design process. Development of design briefs, sketching, 3D solid modeling, and prototyping provide the foundation for activities in this course.

STEM **Credit**: ½ **Required: No** **Prerequisite: CAD** and **Introduction to Engineering**	This course provides students with an understanding of the engineering/technology field. Students explore how engineers use various technology systems and manufacturing processes to solve problems, document their work, and communicate solutions to peers and members of the professional community. Topics covered in this class include but are not limited to are: control systems, computer integrated manufacturing, robotics, and electronics.

Computer Aided Design (CAD) **Credit**: ½ **Required: No** **Prerequisite: NONE**	This is a one-semester course providing instruction on basic operations of CAD software. Course instruction on the basics of CAD includes hands-on experience. This course will cover a variety of basic drafting and blueprint reading skills. Mechanical and architectural design will both be discussed. Students will work from basic sketching and 2D CAD into 3D modeling, incorporating software, prototyping, and other design systems. This class is a prerequisite for many of the Technology Education classes.

Architecture: Drafting and Design **Credit**: ½ **Required: No** **Prerequisite**: **CAD**	This course is concerned with the basic detail, design, and presentation of residential architecture. A problem-based approach will be used for students to complete an entire 3-bedroom home project. Emphasis will be on creativity, construction details, structural design, and planning. The course utilizes a 3D Computer Aided Design (CAD) system.

Home Maintenace **Credit**: ½ **Required: No** **Prerequisite**: none	Do you like to be creative? By learning how various systems (car, house structure, home mechanics, etc.) function in and around the home, students will be able to apply that knowledge through various projects. Hands-on projects include ceramic tiling, drywall repair and texturing, painting, garden art/sculptures, home energy, furniture repurposing/refurbishing, and basic car repairs/maintenance. Safety glasses are required.

Construction and Building Trades (Second Semester Only) **Credit:** 1 (2-hour block) **Required: No** **Prerequisite: CAD** and **Home Maintenance**; Junior or Senior	This class will serve as an introduction to the building trades and construction. Instructional emphasis will include the practices and construction of houses, garages, and small structures. Information about building materials and construction methods, as well as methods of light frame construction electrical wiring, plumbing systems, and heating, plastering, masonry, concrete, ventilation, and air conditioning (HVAC). Students learn how the site is cleared, the structure is designed, how to have designs approved and how to obtain permits needed, and methods used in construction of these structures. Students will learn to read blueprints, make material lists, make cost estimates, plan the construction sequence, and build a structure. The class will offer practical hands-on learning as well as classroom experiences within the field. Safety Glasses and good work habits will be required. **Students can enroll in this course more than one time with the instructor's approval.**

Shiocton Services **Credit:** ½ **Required: No** **Prerequisite:** Students must have completed Introduction to Technology Education and one additional Technology Education course and Junior or Senior standing and **must have instructor's recommendation or approval.**	This course applies the principles taught in Technology Education in a practicum and entrepreneurship environment. Students will research, design and develop projects for clients as a business. The students participating in Shiocton Services will have practical real-world and hands-on work experience in metalworking, carpentry, design, product development, and more in a "Job Shop" manufacturing business. Employees of the student-run business will receive and process real client's requests from local businesses and individuals for products to which they will perform cost estimating, material planning and ordering, invoicing, billing, shipping, and all other business aspects in addition to the actual fabrication of the products. As an added bonus, the students in this class will have developed interpersonal written and oral communication skills, teamwork and collaboration skills, technology and manufacturing skills, responsibility and time management skills, and quality assurance understanding as it applies to work-based learning. Safety glasses are required. **Students can only take this course with instructor approval.**

Introduction to Computer Science I **Credit**: ½ **Required: No** Semester Course - Grades 9 – 12 Prerequisite: None The teacher of this course has the ability to teach courses for math credit. With a passing grade, this course can count for elective Math credit. Elective math credit cannot replace Algebra 1, Geometry, or Algebra 2	The Introduction to Computer Science with MakeCode Arcade curriculum was adapted from the original TEALS Introduction to Computer Science curriculum and built with Microsoft MakeCode Arcade as its core teaching platform using a game-based learning approach to engage a diversity of students. The original TEALS course has been successfully implemented in hundreds of high schools. The course explores a variety of basic computational thinking and programming concepts through a project-based learning framework. Every unit culminates in a comprehensive project and roughly 75% of student time is spent building projects and practicing the skills they are learning. Semester 1

Introduction to Computer Science II **Credit**: ½ **Required: No** Semester Course - Grades 9 – 12 Prerequisite: Intro to CS I is highly recommended The teacher of this course has the ability to teach courses for math credit. With a passing grade, this course can count for elective Math credit. Elective math credit cannot replace Algebra 1, Geometry, or Algebra 2	Introduction to Computer Science Sem II continues learning in Makecode using text based education. Each semester is divided into a series of units which successively introduces new concepts and reinforces those learned previously. The first semester teaches programming using visual drag-and-drop Blocks and the second semester uses either JavaScript or Python. It is possible to take Semester 1 and Semester 2 independently.

AP Computer Science Principles **Credit**: 1 (Full Year) **Required: No** Grades 9 – 12 Prerequisite: Introduction to Computer Science II The teacher of this course has the ability to teach courses for math credit. With a passing grade, this course can count for elective Math credit. Elective math credit cannot replace Algebra 1, Geometry, or Algebra 2	AP Computer Science Principles is the equivalent of a first-semester, college-level introductory course in computer science for non-majors. The course introduces students to the field of computer science and explores five Big Ideas: (1) Creative development, (2) Data, (3) Algorithms and programming, (4) Computing systems and networks, and (5) Impact of computing. The course also integrates computational thinking practices, including: (1) Computational solution design, (2) Algorithms and program development, (3) Abstraction in program development, (4) Code analysis, (5) Computing innovations, and (6) Responsible computing. Students practice problem solving by developing algorithms and programs and incorporate abstraction into their programs. Students examine the importance of collaboration and diversity when designing, and examine the ethical concerns of designing computing innovations.

IT: Support: Hardware Introduction **Credit**: ½ **Required: No** Semester Course - Grades 9 – 12 Prerequisite: None	This course provides an excellent introduction to the IT industry and interactive exposure to personal computers, hardware, and operating systems. Students participate in hands-on activities and lab-based learning to become familiar with various hardware and software components and discover best practices in maintenance and digital literacy. In addition, the course covers laptops and portable devices, wireless connectivity, security, safety and environmental issues, communication skills, and customer support.

WORK EXPERIENCE

<u>In-School</u> **Credit:** ½ **Required: No** **Prerequisite:** Junior or Senior Standing, a 3.0 or better Cumulative GPA and good attendance (no unexcused, no more than 10 excused absences) the previous Semester. Cannot take Work Experience Out-of-School at the same time (exceptions are at the discretion of the Counselor or Principal).	The School District of Shiocton has developed a Volunteer Service Class in which high school students earn elective credit by working as assistants to the lower grade classroom teachers, nurse, secretaries, or as a peer tutor approved by the Principal and Guidance Counselor. This Teacher Assistant service is built into the student's daily schedule. Students are assigned to one or two elementary or middle school teachers for **one** of their eight daily class periods. They take on duties such as tutoring individual students, reviewing lessons and exercises with small groups, working on bulletin boards, and other tasks. They are expected to be involved in meaningful and useful duties. They may be pulled from the program for at least one week if their behavior becomes an issue of concern. The course duration may be either one or two semesters. The classroom teacher grades students on a Pass/Fail basis. **The counselor or designee will pick the matches. Recommendations are welcome, but may or may not be honored.**

<u>Out-of School</u> **Credit**: ½ **Required: No** **Prerequisite:** Senior Standing and Counselor & Principal Recommendation	To offer junior and senior students a legal, viable, modification to the school day that allows them the opportunity to participate in the work-based learning component of the School-To-Work transition. **GUIDELINES FOR OUT-OF-SCHOOL WORK EXPERIENCE** 1. The student must be a junior or senior and in good standing for academics, behavior, and attendance. (example: a senior with 20 credits) in order to be eligible for the program. 2. Students must take 6 (six) classes each semester. 3. The student is responsible for finding his/her own job. The student must have a job that provides 15 hours of work per week on average. The student will be allowed to work a maximum of five hours per day Monday through Thursday (except non-school days). Students must work 3 of 5 weekdays. 4. The student will attend a daily independently scheduled work experience class. 5. Acceptance into the work experience program will be based on attendance and academic standing or the discretion of the principal/counselor. The student may be pulled from the program if grades become a concern. 6. Occupations must be relevant to the student's career goals.

	7. The student must be in a full day of attendance in order to attend work. Students must maintain passing grades in all scheduled classes. 8. The student will be released from school one school period prior to his/her starting time at his/her place of employment. This will be during that student's ELT period. 9. Students and/or parents must provide transportation to and from work and realize that lack of transportation does not justify absence from work or school. 10. Students will also be required to take relevant coursework related to their field in the School District of Shiocton. 11. The course duration may be either one or two semesters and **may not** be taken along with Work Experience-In School (exceptions are up to counselor/principal discretion). Their employers and the work-experience teacher evaluate students.

<u>Youth Apprenticeship</u> **Credit:** Varies, typically 4/year **Required: No** **Prerequisite:** Junior or Senior Standing (Apply through School Counselor)	The Wolf River School-to-Work Youth Apprenticeship Program is a one or two year program for high school juniors and/or seniors combining instruction (both high school and college) and paid on-the-job training. Students gain a set of skills and abilities by learning in the classroom and in a work setting. High school students in good standing are accepted into the program prior to their junior or senior year. Upon completion students earn the state recognized Wisconsin Youth Apprenticeship Certificate of Occupational Proficiency. Students earn both high school and possible college credits while in the program and typically are gone for part of their school day while working at their Youth Apprenticeship place of employment. Students must be able to provide their own daily transportation. Students who have applied and are waiting for notification of acceptance into the program should schedule a regular load of classes. Applications are due in the spring prior to the school year of participation. Students will be required to take a class each semester related to their Youth Apprenticeship field of study. For more information contact your school counselor.

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Didn't find the course you were looking for? Please contact the High School Counselor to discuss alternate course options.