



Shiocton High School
Course Booklet
2019-2020

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INTRODUCTION

The purpose of this registration booklet is to help in the selection of your high school subjects. Please study the material thoroughly and acquaint yourself with the course descriptions, the prerequisites for the courses, the required courses, and the semester during which the courses

will be offered.

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. Choose the subjects that will enable you to do what you want to do. For some, high school will be the last opportunity to receive any formal training. For others, high school education will serve as a basis for future educational opportunities. To all of you, make the most of what Shiocton High School has to offer.

In planning, 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 booklet does not intend to answer all questions about each course. Your teachers, advisor and counselor are willing to answer questions further to help in making your decisions. Please discuss the content of the booklet with your parents. We hope your parents will make use of this opportunity to ask questions that they may have regarding semester scheduling and the high school program.

Plan carefully! It is important that elective subjects for next year are selected carefully as the teachers will be assigned accordingly. **There is no assurance that the student can get the subjects they want when course requests are changed later on in the year. There will also be instances where students may have to take alternate courses** because of schedule conflicts. If a student fails to meet with the counselor regarding scheduling, he/she may be assigned courses that they have not chosen, but which the counselor feels are beneficial to that student. 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.

Please pay close attention to classes that are not offered every year.

POINTS TO CONSIDER

- Each student must register for a minimum of **seven (7)** subjects per semester.
- Each year all students will register for **at least one (1)** credit of English.
- Class changes will be allowed **only until** the 3rd day into the semester. Full-year course changes must be made **before the end of the day on the 3rd day into** the school year. **Anyone dropping a class after that day will be given an "F" for the class. The only exception is Teacher Recommendation.**

- Students who register for a Foreign Language should plan to complete at least three (3) years. **Students registering for a Foreign Language must have better than average skill in English to be successful.**
- Pay particular attention to the **pre-requisites** that some courses may require.

FOREIGN LANGUAGE REQUIREMENTS

The University of Wisconsin Madison is an example of a college that requires three credits of a single Foreign Language for admission to college; and colleges also may require a student to take a Foreign Language to graduate from college. A student who takes at least three (3) years of a Foreign Language in high school may not have to take as many Foreign Language classes in college. Please keep the Foreign Language requirement in mind when you register for class.

VOCATIONAL AND COLLEGE SCHOOL PLANNING

Admission requirements to schools vary; therefore, it is highly desirable that you plan early and thoroughly on possible careers and schools. You must acquire as high a quality of a high school record as possible. Your academic record will be the most important single factor in determining whether or not you are accepted in the school or program of your choice; with extra-curricular coming second.

If you plan to secure 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 skill 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/ 3 credits

Social Sciences

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 1/2 to 2
credits including Music, Art, Graphic Design

Computer 1/2 to 2
credits including Keyboarding and Computers

Literacy

Become familiar with technical schools and programs by reading the available career literature and information. Pay close attention to the school catalog. 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.

COLLEGE PREPARATORY STUDENTS

Students planning to attend college should select high school courses that provide for the academic background necessary for success in college. It is advisable that students plan a rigorous schedule, which minimally includes:

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 1/2 to 2
credits including Music, Art, Graphic Design

Computer 1/2 to 2
credits including Keyboarding and Computers
Literacy

COLLEGE ENTRANCE REQUIREMENTS

(21 College Prep Classes are suggested)

UNIVERSITY OF WISCONSIN

COLLEGE OF LIBERAL ARTS: (Minimum Requirements)

GRADES 9-12

- **4 credits of English** including three credits of literature and composition
- **3 credits of Mathematics** including at least one credit of Algebra and the equivalent of one credit of Geometry.
- **3 credits of Natural Science**
- **3 credits of Social Science/History**
- **4 elective credits** chosen from the areas above, foreign language, fine arts, computer science, and other academic or vocations areas.

***High School Chemistry must be taken if you plan to take college Chemistry classes.**

Shiocton High School

2019-20 | Course Offerings | College Credit

Credit Option	Course Title	Credits/ Duration	Available to:		
			10	11	12
CAPP Courses (through UWO or SNC)	Art 101 *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 (for Humanities credits - broader category than Art credits) *Credit and Cost: This course is offered for dual credit (3 credits) through UW-Oshkosh. Cost to take for dual credit is approximately \$300.	3 cr./1 sem.		x	x
	English 101 *Requires 3.0 or better GPA, B or better in all prior English courses, and passing score on entrance exam ACT English score of 26 or higher. *Credit and Cost: This course is offered for dual credit (4 credits) through St. Norbert. Cost to take for dual credit is approximately \$180.	4 cr./1 sem.			x
	English 150 *Requires 3.0 or better, B or better in all prior English courses, and passing score on entrance exam ACT English score of 26 or higher. *Credit and Cost: This course is offered for dual credit (4 credits) through St. Norbert. Cost to take for dual credit is approximately \$180.	4 cr./1 sem.			x
	Leadership Studies 100 *3.0 or better GPA *Credit and Cost: This course is offered for dual credit (4 credits) through St. Norbert. Cost to take for dual credit is approximately \$180.	4 cr./1 sem.		x	x
	Biology 105 *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 (4 credits) through UW-Oshkosh. Cost to take for dual credit is approximately \$400.	4 cr./1 yr.		x	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 \$300.	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 \$300.	3 cr./ 1 sem. 1 yr.		x	x

	Active Lifestyle (online) - 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 \$100 per credit.	2 cr./1 sem.			x
	Beginning Archery Skills - 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 \$100 per credit.	1 cr./1 sem.			x
	Beginning Badminton - 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 \$100 per credit.	1 cr./ 1 sem.			
	Beginning Basketball - 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 \$100 per credit.	1 cr./1 sem.			
	Beginning Jogging - 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 \$100 per credit.	1 cr./1 sem.			
Dual Credit Courses (through FVTC)	Personal Financial Planning	3 cr./1 sem.	x	x	x
	Intro to Health Occupations (includes People Skills in Health Care, 1 cr. & Exploring Health Careers, 1 cr.)	2 cr./1 sem.	x	x	x
	Written Communications	3 cr./1 sem.			x
	Intro to Psychology	3 cr./1 sem.		x	x
	Introduction to Welding	1 cr./1 sem.		x	x
	Machine Shop I	3 cr./1 sem.		x	x
Advanced Placement Courses	AP Calculus *Requires completion of Pre-Calculus, AP test administered to determine credits awarded	Up to 3 cr.			x
	AP Chemistry *Requires 88% or better in Chemistry and Algebra 2, AP test administered to determine credits awarded	Up to 3 cr.			x

All Freshmen and Juniors! You will be required to meet with the counselor for a meeting prior to or during your Freshman/Junior years called 'Chief Chats'. Parents are encouraged to attend.

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
- Commitment or involvement in school activities/community
- Personal qualities such as energy, initiative, motivation, creativity

Colleges expect every applicant to submit scores from at least one admission test, which, along with high school records, would support the student's potential to handle college level work. The three most commonly used admission tests include:

- **Preliminary Scholastic Aptitude Test (PSAT)**--offered in the fall of the junior year. This is the test required for entrance into the National Merit Scholarship competition (including college and corporate sponsored merit scholarships). **This test is usually not required for admission, but is a good practice-test for other standardized tests.**

- **American College Test (ACT)**--required in the junior and offered senior year. This test is predominantly used by Midwest colleges and Midwest students usually score better on this test.

OR

- **Scholastic Aptitude Test (SAT)**-- this test is often recommended by eastern and western colleges and required for students who are National Merit semifinalists. Some students may also need to write achievement tests (subject area tests) if applying to highly selective colleges.

-**Accuplacer**-- this test is primarily for students planning on attending the 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

This program allows qualified high school students 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 for Youth Options Courses. Students may only take a total of 18 college credits for payment by Shiocton Schools. ***Courses will not be paid for if already offered at Shiocton High School.** Please see the counselor if you have questions.

YOUTH APPRENTICESHIP

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. Benefits students gain from the program are getting a head start on their career planning, learning skills related to a job they may want in the future, and building up a personal resume for college applications and career portfolios. 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. For more information contact your school counselor.

SHIOCTON HIGH SCHOOL GRADUATION REQUIREMENTS

1. Credit is granted on a semester basis. A half unit 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 the 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 .5 credit.

Social

Studies/Social Sciences

3 Credits

A.

U.S. Government (1/2 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-Required for class of 2017 and beyond

Health

½ Credit
Physical Ed

1½ Credits
Computer

Essentials I or Computer Essentials II

½ Credit
Electives

9½ Credits

The additional credits may be selected from any of the available high school courses. All classes will count equally in Grade Point Averages (GPA). This includes Physical Education.

Any student unable to earn the credits necessary, for whatever reason, may attend the credit deficient programs provided by Fox Valley Technical College upon approval from the school counselor, the principal, and the Fox Valley Technical College officials, or the credit deficient student may register for summer school courses through the Fox Valley Consortium, Shiocton High School and attend and pass all necessary classes. These are the only acceptable substitutes for the regular curriculum programs offered at Shiocton High School.

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 2nd semester of their senior year may participate in the graduation ceremony. These 10 unexcused class hours start 2nd semester once the child has reached the 10 days (totaling 80 hours per year) which are allowed by the State of WI.

CLASSES

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 the focus of each Friday's session. A written final exam will be given. (Art history will focus on Greek/Roman classical period thru 20th Century European Art)

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), basic stained glass, and basic fabricated and cast jewelry, along with sculptural explorations in multi-media will be the emphasis of this course. The study of aesthetics (philosophy of art), art history, and critical analysis (reading art works) will be the focus of each Friday's session. A written final exam will be given at the end of this course. (Art History will focus on American Art)

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 can be taken a second time only with Art Teacher's approval as an independent study.**

This course's focus is to give the student a wide variety of hands-on processes and techniques. You can expect to do 3D paintings, relief printmaking, stained glass, multi-media mosaics, ceramic sculptures & potter's wheel training, weaving & soft sculpture design, batik or tie-dyeing and many other art forms. Every third Friday will be used to help students to learn how art is an integral part of our culture and history. 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.

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. ***This course can be taken a second time only with Art Teacher's approval as an independent study**

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 can expect to do stone carving, reverse glass painting, lost wax casting, silkscreen printmaking, copper plate etching & printmaking, egg tempera painting, lead cam stained glass and much more. Each third Friday will be used to expand students' knowledge in contemporary art trends and current events in art. 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.

Art 101: CAPP (Cooperative Academic Partnership Program)

***Credit and Cost:** This course is offered for dual credit (3 credits) through UW-Oshkosh.

Cost to take for dual credit is approximately \$300.

Credit: 3 (Three) College Credits

Required: No

Prerequisite: Junior - Senior Standing seeking college credits...non- art major credits (Humanities Program). Other academic eligibility requirements do apply (see school counselor).

Fee: approximately \$90 per credit; fee is paid by student or parents

Art 101 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, Google applications, and web 2.0 tools. Through personalized projects, you will explore computer basics, reinforce your keyboarding skills, learn proper search techniques, troubleshooting skills, effective business communication, information management basics, introduction to computer coding, cyber safety, ethical use of technology, and working efficiently.

Computer Essentials II

Credit: ½ (Class Size Limit: 19)

Required: No

Prerequisite: Computer Essentials I

Through hands-on activities, you will learn how to use software commonly used for personal and business such as Microsoft Office, Google applications, and web 2.0 tools. You will develop skills in preparing advanced spreadsheets, databases, creating digital presentations, using advanced word processing functions, and an introduction to desktop publishing. Other topics

covered in this course through personalized projects include: exploring the impact of technology, enhancing troubleshooting skills, effective business communication, personal information management, computational skills, cyber safety, emerging technology, and working efficiently.

Web Page Design

Credit: ½ (Class Size Limit: 19)

Required: No

Prerequisite: Sophomore-Senior Standing and Computer Essentials I

This class will focus on web page content, planning, design, setup, and maintenance of a web site. You will create websites with multiple pages and functions. You will become familiar with terms and components of the Internet, and develop an awareness of design considerations that affect web page construction. You will learn to use many technology tools and programs as they create their sites. With the widespread use of the Internet, Web Page Design will provide you with the technology skills and knowledge needed to become effective communicators in this exciting medium.

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 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

Credit: ½ (Class Size Limit: 18)

Required:

No

Prerequisite: Freshman - Senior Standing

Learn about how businesses are organized, the role 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 see how each person's performance affects the project outcome!

Graphic Design

Credit: ½ (Class Size Limit: 10)

Required:

No

Prerequisite: Freshman - Senior Standing

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* 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.

Intro to Marketing

Credit: ½

Required:

No

Prerequisite: Freshman - Senior Standing.

Marketing is a class that you will use in all areas of your life regardless of your interests and/or career choice. Not only will you learn about marketing, but you will become a savvy consumer. Intro to Marketing introduces you to the principles and concepts of modern marketing practices including; economics, promotion, sales, pricing, financing, distribution, product/service management, and market research. This is a project/application-based class in which presentation, written projects, and teamwork are utilized.

Advanced Marketing

Prerequisite: Introduction to Marketing

The course emphasizes the interrelated aspects of marketing functions. These functions include but are not limited to: product and service strategy, marketing strategy and research, advertising and promotion, pricing concepts and practices and distribution strategies. The course also covers modern marketing practices and the relationship of marketing to other business functions, and to information systems as used by marketing managers. This course is offered as Dual Credit through FVTC for 3 credits.

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 and/or Introduction to Marketing. 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.

Independent Business Capstone

Credit: ½ (Class Size Limit: 1-4)

Required: No

Prerequisite: Senior Standing and recommendation from teacher

As a capstone course, you will be given the opportunity to apply your business skills learned through your high school career in an occupational arena within the school or larger community. This opportunity will be developed and specific to you based on experiences and career goals; preference for placement will be given to the field of study as chosen through the Career Pathway. This class is an independent, project and research-based course that will have an unconventional class schedule.

Personal Law

Credit: ½ (Class Size Limit: 15)

Required:

No

Prerequisite: Junior or Senior Standing

What kind of rights do you *really* have? Learn about laws that govern our conduct. Learn how to avoid legal and ethical difficulties. Look at laws governing minors, crimes and torts, contracts, and property. Examine real-life problems and hypothetical cases—Participate in Mock Trials. You be the judge!

Personal Financial Planning

Credit: ½

Required:

No

Prerequisite: Sophomore - Senior Standing

Personal Finance covers the basic principles needed for effective personal finance management including financial 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. Juniors and Seniors have the opportunity to take this course as Dual Credit for 3 elective credits with FVTC.

App and Game Design

Credit: ½ (Class Size Limit: 19)

Required: No

Prerequisite: Freshman - Senior Standing, Computer Essentials I

App and Game Design focuses on creating games and apps through a variety basic concepts such as rules, user experience, systems, design, play-testing, and analysis. Through projects, you will collaborate to model, simulate, and analyze data to create computer games including one non-digital game. You will explore the impact of computing in society, the application of computing across career paths, and build skills and awareness in digital citizenship and cyber security. There is no experience needed to take this course and the course is open to anyone who is curious and who wants to play and learn at the same time.

Be Your Own Boss - Introduction to Entrepreneurship

Credit: ½ (Class Size Limit: 19)

Required: No

Prerequisite: Junior and Senior standing, Principles of Business and/or Intro to Marketing

This course provides students with opportunities to investigate, understand, and apply the process of choosing entrepreneurship as a career path. It explores the entrepreneurial experience by focusing on an awareness of entrepreneurship, opportunity recognition, business concept development, and experimentation. Students will evaluate the business skills and commitment necessary to successfully operate an entrepreneurial venture and review the challenges and rewards of entrepreneurship. Students will understand the role of entrepreneurial businesses in the United States and the impact on our national and global economy. Juniors and Seniors have the opportunity to take this course as Dual Credit for 3 elective credits with FVTC.

Independent Business and Information Technology (IT)

Credit: ½

Required:

No

Prerequisite: Computer Essentials I

Want to be successful in today's job market? This course lets you choose what certifications you want to earn. Receive a Microsoft Office Specialist (MOS) certification if you are interested in learning how to be productive using Microsoft Office and other software tools. Or, decide on a Microsoft Technology Associate (MTA) certification if you are interested in being more prepared for college and career roles in software and app development. Receiving any of these certifications will show employers you have the initiative and skills to be a valued employee. You can even become certified in more than one area!

If certifications are not of interest, but you want to learn more about technology, a personalized learning plan can be created for you. Contact Mrs. Suda for more information.

Photography

Credit: ½

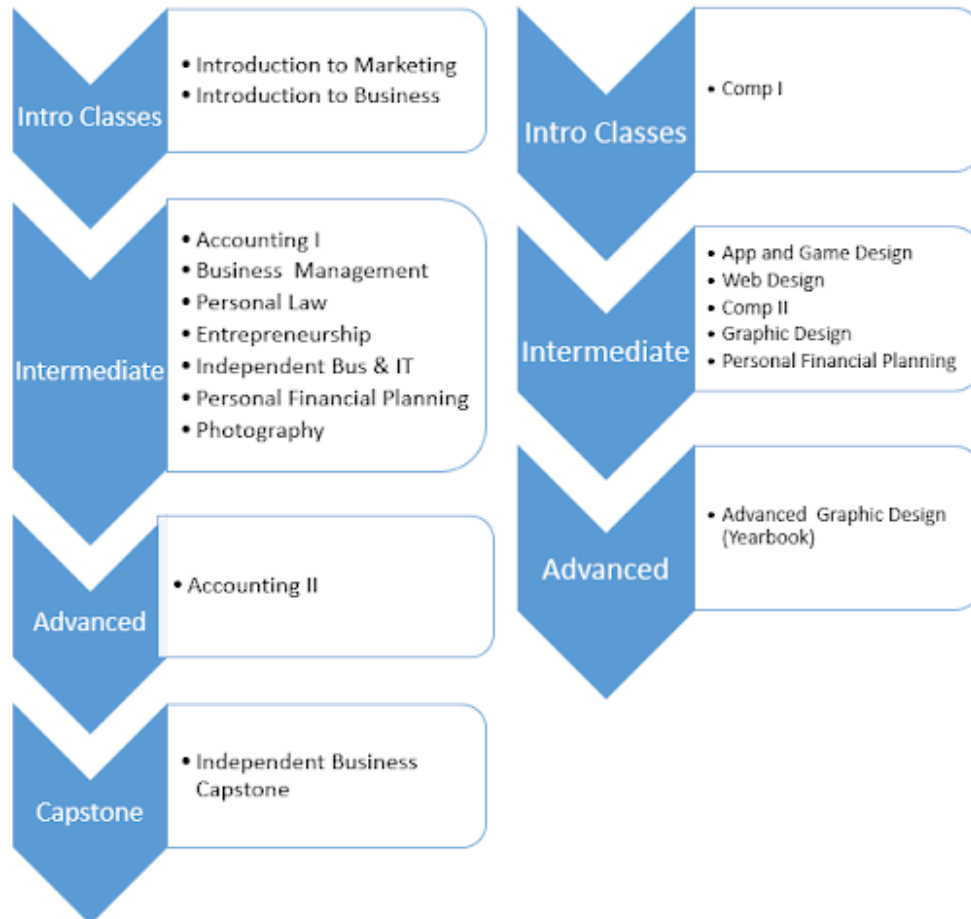
Required:

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 student's abilities.

Business, Information Technology, and Marketing Course Progression



WORK EXPERIENCE

Out-of School

Credit: ½

Required: No

Prerequisite: Senior Standing and Counselor & Principal Recommendation

To offer 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. Upon completion of course, students will receive *Wisconsin Employability Skills Certificate*. The intent of the ***Wisconsin Employability Skills Certificate Program*** is to recognize a student's mastery of employability skills valued by employers, to help students explore career interests, and to provide a state credential of student mastery.

GUIDELINES FOR OUT-OF-SCHOOL WORK EXPERIENCE

1. The student must be a senior and 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 hour prior to his/her starting time at his/her place of employment.
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. 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.

SUGGESTED SEQUENCE FOR BUSINESS CLASSES

Emphasis in Administrative and Information Support

Essentials I and II

1. Computer

Design

2. App and Game

Design

3. Web Page

4. Personal Law

Emphasis in Business, Marketing, and Accounting

1. Principles of Business

2. Accounting I

3. Intro to

Marketing

4. Business

Management

5. Accounting II

6. Personal Law

7.

Entrepreneurship and Leadership

8. Business

Capstone

Emphasis in Graphic Arts

1. Computer Essentials I and II

2. App and Game Design

3. Photography

4. Graphic Design

5. Advanced Graphic Design

6. Business Capstone

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. **Students will be expected to provide materials for a sewing project and pay a \$5 food lab fee.**

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 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: No

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. **A \$10.00 lab fee is required.**

Food and Nutrition

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

Do you think about how the foods we eat affects our bodies? Do you watch your weight? Do you try to eat healthy? Are you thinking about a career in health care? Do you think about how you'll be able to pay for all your groceries and cook for yourself when you get on your own? This course addresses food related concerns through a variety of activities and labs. Students will explore the most recent nutritional findings to maintain and improve their health. Topics include consumer practices when shopping, preparing practical meals and snacks, nutrition for healthy living, kitchen safety and sanitation, meal management and careers in the food industry. **A \$10 lab fee is required.**

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 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 will 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 society. Employers site the ability to interact with others as a key skill in the workplace and unfortunately it's lacking in many candidates. 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 and 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 will transfer in many areas of work 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

Are you interested in a career in radiology, optometry, nursing, physical therapy, sports medicine, pharmacy, dentistry, occupational therapy, veterinary medicine, or dietetics? 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. Topics covered in the class include views of medicine, body systems, health care facilities, safety, legal and ethical responsibilities, person characteristics, medical terminology as it relates to systems of the human body, and medical math. This course is available Dual Credit for 2 elective credits with FVTC: Exploring Health Careers and People Skills in Health Care. Volunteer work required for FVTC credit.

Life Skills

Credit: ½ credit

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.

FOREIGN LANGUAGES

Spanish I

Credit: 1 (Class Size Limit: 27)

Required: No

Prerequisite: "C" average overall or teacher approval

Spanish I is a beginner foreign language class. Students will work on learning basic vocabulary

and grammar. Students will practice listening, reading, writing, and speaking in Spanish. Basic communication is emphasized. Students will also be introduced to the culture of Spanish-speaking countries. Things such as videos, music, readings, and food are all used in class to expose students to realistic language and culture. The cultures of Mexico, Puerto Rico, and the Southwestern United States are emphasized.

Spanish II

Credit: 1 (Class size limit: 25)

Required: No

Prerequisite: Sophomore – Senior standing. “C” average in Spanish I or teacher approval

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.

Spanish III

Credit: 1 (Class size limit: 20)

Required:

No

Prerequisite: Sophomore – Senior Standing, B average or better in Spanish II or teacher approval

This is a continuation of Spanish I and Spanish II. Students will review all of the basics that they learned previously and will build on these concepts at an advanced level. Speaking & communication skills will be emphasized. Students will be exposed to a variety of more advanced grammar concepts. Students will also explore cultural, historical, and readings from various Spanish-speaking areas.

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

Fluency in spoken Spanish and advanced listening skills are emphasized in this course. 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 politics. Students will use the Spanish language as a means to study, read about, and discuss a variety of topics.

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, evaluation media messages, using community resources, practicing refusal skills, and making decisions. Content areas will include human relations; mental/emotional health; fitness; nutrition; human growth and development; hands-on CPR (certification not required); as well as examining the use 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: \$20.00 (CPR/AED certification)

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.

Physical Education 9-12

Credit: ½ (Class Size Limit: 25)

Required: Yes

Prerequisite: Freshman Standing

Team sports, individual fitness, and lifetime sports are emphasized as well as safety, courtesy, rules, strategies and good sportsmanship. Grading will be based on participation and quizzes for the quarter. An *Individual Exercise Program* will be the final project and a final exam will be given for the semester. A letter grade on percentage calculation will be earned. Each sport unit is taught for approximately three weeks. Class is offered opposite American Government. **See below for sports activities offered.**

PE 9 - 12 Sports Activities Offered

Softball	Basketball Individual
Fitness	Soccer/speedball Games
Archery	Flag Football
Badminton/Pickleball	Frisbee Golf
	Volleyball Bowling Broom Ball

The course outline is subject to change because of weather conditions, class sizes, and/or

equipment availability. Health Club Day will be one day a week during the Fall and Spring seasons. It will be two days a week during the Winter season.

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

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 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 180 Beginning Archery Skills - 1.0 credit

Course description: The purpose of this course is to introduce students to beginner archery techniques and skills associated with archery programs. An emphasis will be placed on safety, conservation, and hands-on experiences.

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

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* (each Wednesday or Thursday we will utilize the information learned that week).

Wellness Lifestyle

Credit: ½

Required: No

Prerequisite: Freshman - Senior Standing

Fee: \$5.00 to help defray the cost of food.

This elective class will explore some of the dimensions of “Wellness” including the topics of Nutrition, Recreation, and Wellness.

Nutrition:

Students will explore the effects of obesity on society. They will learn what is in a well balanced diet and make sound nutritional choices through meal planning and eating. Students will plan and actively participate in an aerobic walking program. From a pre-test, students will develop measurable goals. In collaboration with Food Service, the students will evaluate food choices and make suggestions based on their research.

Recreation:

Students will develop goals and participate in physical activity two times per week.

Wellness:

Students will explore goal setting and what obstacles prevent them from reaching their goals. This will include goal setting, imagery and simulation, and improving concentration and focus. Students will keep a journal.

LANGUAGE ARTS

English 9

Credit: 1

Required: Yes

Prerequisite: Freshman Standing

The English 9 curriculum will help students improve their study skills, 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 along with a speech unit. The yearlong 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

English 10 pushes students toward deeper comprehension of both fiction and nonfiction, and develops effective writing and research skills through writing multiple compositions in MLA citation format. Grammar study and vocabulary are also a main focus to expand and refine students' language skills. Students will develop presentation and speaking skills through presentations and discussions. Reading material will include selections of short stories, poems, dramas, novels, and a variety of non-fiction. Students will read and write historical fiction.

American Literature and Composition

Credit: 1

Required: Yes

Prerequisite: Junior or senior standing

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, race relations, political discord, brotherhood, and freedom will be analyzed in novels written by authors like Fitzgerald, Steinbeck, Miller, and Lee, along with many informative texts like seminal texts from American history. In conjunction with these texts, students will write arguments, narratives, a research document, and analysis using textual evidence.

***Senior English**

Credit: 1 (of student's choice)

Required: Yes

Prerequisite: English 9, 10, 11

*Each student must have a minimum of one literature and one writing elective during his/her junior or senior year. If all course prerequisites are met, the student may choose which other semester-long course they would like. Every student must take American Literature and Composition before graduation starting with the class of 2016 (junior or senior year).

English Electives Include:

English 101

***Credit and Cost:** This course is offered for dual credit (4 credits) through St. Norberts. Cost to take for dual credit is approximately \$180 per credit.

Credit: 1/2

Prerequisite: Senior Standing and acceptance as a special student from Saint Norbert College (3.0 or better, B or better in all prior English courses, and ~~passing an entrance exam~~ ACT English score of 26 or better).

Description:

This course will focus on academic expository writing through the study of the techniques and the purpose for academic writing. Writing will be done with rigor while practicing the entire writing process enabling development into advanced college writing. Essays will cover an array of content areas to give students experience in college writing for multiple disciplines.

Credits:

Completion will earn the student four credits from St. Norbert College and ½ credit of English from Shiocton High School for the low cost of \$180. These credits transfer well for most colleges.

Course Objectives:

- Use MLA documentation correctly
- Read literature and participate in class discussions
- Use the writing process efficiently to create essays
- Show a strong grasp of English grammar and high level vocabulary
- Effectively communicate through the written word
- Conduct academic research
- Successfully integrate textual evidence throughout thematic essays

Course Requirements:

Students will write four major scholarly compositions, which are major papers/essays with an emphasis on research. Collaboration through the editing process will be ongoing. Developing skills in the writing process will be the major focus. Besides classroom discussions, we will perform online discussions through ~~Edmodo~~ Google Classroom. Students will have ongoing conversations with large and small groups about writing.

English 150

***Credit and Cost:** This course is offered for dual credit (4 credits) through St. Norberts. Cost to take for dual credit is approximately \$180 per credit.

Credit: 1/2

Prerequisite: Senior Standing and acceptance as a special student from Saint Norbert College (3.0 or better, B or better in all prior English courses, and ~~passing an entrance exam~~ ACT English score of 26 or better).

Description:

While in this class, students will study a variety of genres from British literature. Throughout the semester students will practice close reading and analytical skills. Students will study and use four literary theories (feminist, Marxist, psychoanalytic, and new criticism) to aid in critiquing literature. Students will be able to express their analysis through discussions and writing.

Credits:

Completion will earn the student four credits from St. Norbert College and ½ credit of English from Shiocton High School for the low cost of \$180. The credits from Saint Norbert College will transfer well to most colleges.

Course Objectives:

- Read literature and participate in class discussions on a variety of genres and time periods
- Practice the art of close reading
- Analyze the texts using the four literary theories and close reading skills
- Rather than focusing on the who, what, where, and when, explore the why and how
- Use four literary theories (feminist, Marxist, psychoanalytic, and new criticism) in critiquing literature
- Use correct MLA format and research skills for writings

Course Requirements:

Students will be required to write three analytical essays (MLA format) along with a variety of in-class writings. Your class participation will count as 20% of your grade, so class discussions (in person and online) are imperative. There will be a variety of tests and quizzes as well. Collaboration through the editing process will be ongoing. Besides classroom discussions, we will perform online discussions through Edmodo.

Contemporary Literature

Credit: ½ (Class Size Limit: 20)

Prerequisite: Junior or Senior Standing. World Literature and Contemporary literature run concurrently/in the same semester.

This semester long class gives you the opportunity to see what today's authors have to offer and allows students to study, analyze, and appreciate contemporary literature, and it will encourage students to try something new! Students will be required to show their analytical skills through writing in response to literature through argument, analysis, and research writing using textual evidence.

Creative Writing

Credit: ½ (Class Size Limit: 20)

Prerequisite: Junior or Senior (or teacher recommendation). Course runs concurrently/in the same semester as Short Stories and Written Communications.

Students taking this semester-long course should have a strong interest in writing as this course explores creative styles of writing. Students will study various types of creative writing and experiment with prose and poetic forms. Assignments may include keeping a journal, writing a creative magazine and writing several types of poems. One larger project is to develop and write a full length children's book for an elementary student.

Short Stories

Credit: ½ (Class Size Limit: 20)

Prerequisite: Junior or Senior Standing. Course runs concurrently/in the same semester as Creative Writing and Written Communications.

This semester long English class will focus on reading and writing short stories like the works of Poe, Jacobs, Gaimon, and King. Students who take this class should have the desire to write creatively. Along with the study of grammar and vocabulary, units will include reading and writing the following: sudden fiction, the tale, and genre fiction. The workshop model of peer critique will be followed.

World Literature

Credit: ½ (Class Size Limit: 20)

Prerequisite: Junior or Senior Standing. World Literature and Contemporary literature run concurrently/in the same semester.

This semester long course will focus on texts from across time and continents. Texts that will be focused on range from ancient mythology and heroes, to British literature, to African-American literature, to Asian literature, and so much more. In response to these readings, students will analyze and think critically using textual evidence in argumentative writing, thematic writing.

Written Communication

Credit: ½ (Class Size Limit: 20)

Prerequisite: Senior standing (plus a possibility of a monetary fee for a book). Course runs concurrently/in the same semester as Creative Writing and Short Stories.

Teaches the writing process which includes prewriting, drafting, and revising. Through writing assignments, students analyze audience and purpose, research and organize ideas, and format and design documents based on subject matter and content. Class sessions and assignments involve giving oral presentations and using computers.

Through articulation through Fox Valley Technical College, all students will produce the following written documents throughout the semester to demonstrate competence: business letters, business memos or emails, instructions, presentations, visuals, summaries, short reports, and a research-based document in addition to completing a variety of other smaller discussion and performance-based assessments **This course is offered as an Advanced Standing course in conjunction with Fox Valley Technical College, meaning that students earning a grade of a "B" or better will suffice the requirement for *Written Communication* at FVTC.**

Developmental English

Credit: 1 Class Size Limit: 20)

Prerequisite: Freshmen and Sophomore standing

This year long course will boost your English skills; it is designed to build basic knowledge in a variety of English skills, including reading, writing, and speaking according to individual needs. Course work will be differentiated according to each student's needs.

CAPP Introduction to Leadership 100

***Credit and Cost:** This course is offered for dual credit (4 credits) through St. Norberts. Cost to take for dual credit is approximately \$180 per credit.

Credit: ½

Required: No

Prerequisite: Junior or Senior Standing. Other academic eligibility requirements do apply (see school counselor).

*This course is offered for dual credit (4 credits) through St. Norbert's College. Cost to take for dual credit is approximately \$180.

This course introduces and acquaints students with the history of leadership studies, past and current leadership theories and styles, and their practical implementation in the daily operational activities in the fields of health, politics, business, education, team and small groups, strategic planning, crisis management, ethics, and motivation. The course focuses on definitional issues (What is leadership?) and explanations (How does it work?). At the end of the course, students are expected to demonstrate basic knowledge in various approaches, frameworks and activities of leadership theory, and be able to give practical examples of leadership activities, styles, and problem solving methods.

MATHEMATICS

Introduction to Algebra

Credit: 1

Required:

No

Prerequisite: Freshman - Senior Standing

This is an introductory course to the basic concepts of algebra. Topics include variables, variable expressions, addition/subtraction/multiplication/division of variable expressions, equations, fractions, and word problems. Successful completion of this course will allow students to take Algebra 1.

Algebra I

Credit: 1

Required:

No

Prerequisite: Recommendation from Grade 8, or Intro to Algebra

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.

Algebra II

Credit: 1

Required: No

Prerequisite: Sophomore – Senior Standing and Algebra I

Algebra II is involved with broadening of 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

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/straight edge and computer software will be emphasized to help students explore the various relationships amongst geometric objects.

Trigonometry

Credit: $\frac{1}{2}$

Required:

No

Prerequisite: Junior or Senior Standing and Geometry, Algebra II

Sophomores concurrently enrolled in Algebra II

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 – A College Prep Math Class (Semester One)

Credit: $\frac{1}{2}$

Required: No

Prerequisite: Junior or Senior Standing and Geometry, Algebra 2

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.

Pre-Calculus II (Semester Two)

Credit: $\frac{1}{2}$

Required: No

Prerequisite: Junior or Senior Standing and Pre-Calculus I- Semester 1

A continuation of advanced math topics. 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

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.

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 experience 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 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. Other requirements include concerts and ceremonies throughout

the academic year, pep band at various school and athletic events, and the solo/ensemble festival. Additional performance opportunities include jazz band and the All-Star Honors band. 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 (Voce')

Credit: 1

Required: No

Prerequisite: Love to Sing!

Concert Choir is a one credit, performance based class focusing on developing the singer (~~male and female~~) 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 four 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...in fact "The sum of us is greater than all our parts." (Maya Angelou) Voce' is a non-auditioned choir and if you love to sing, or would love to learn how to sing, this might be the place for you.

Treble Clef Jazz Choir-Dolce' Bella

Credit: 1

Required: No

Prerequisite: Audition Only 10-12 grade

Do you love to sing? Do you love contemporary and Jazz Music? This one credit course is dedicated to the art of vocal contemporary and jazz music, covering everything from the old standards to modern favorites! Dolce' Bella is a year-long commitment and will consist of a combination of the following activities: full group rehearsals, sectionals, singing tests, written assignments & quizzes, and public as well as school performances. Dolce' Bella will perform several selections with Voce' during the year and tour with that choir as well.

If you want to sing in a smaller ensemble with several performance opportunities in and out of school, Dolce' Bella might be the place for you. Auditions will take place in February.

Introduction to Music Theory

Credit: ½

Required: No

Prerequisite: Minimum two years of study on any instrument or the discretion of the Instructor.

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 basic piano skills, 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.

Music Appreciation

Credit: ½

Required: No

Prerequisite: Freshman - Senior Standing

This course is an introduction to various American music styles. This course seeks to inform the student about the major elements of music as they relate to active listening. It will explain music in terms of the historical context in the styles of folk, blues, jazz, musical theater, country, rock and pop. **Students will be create a listening log as they are introduced to the many styles of music of our American culture.** Classical music composed by Americans will also be introduced and critically analyzed. No prior music experience is required.

SCIENCE

Physical Science

Credit: 1

Required: Yes

Prerequisite: Freshman Standing

Physical Science provides an introductory course to the worlds of physics and chemistry. Topics include motion, forces, energy, light, simple machines, 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. **Dry**

erase markers are required for this course, and a scientific calculator is highly encouraged.

Biology I

Credit: 1 (Class Size Limit: 16 per section)

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)

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.

Biology II

Credit: 1 (Class Size Limit: 16 per section)

Required: No

Prerequisite: Junior or Senior Standing and 82% 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)

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 lecture, 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: This course is offered for dual credit (4 credits) through UW-Oshkosh. Cost to take for dual credit is approximately \$400.

Prerequisites: Junior or Senior Standing, 88% or better in Biology II, previous or concurrent enrollment in Chemistry I, or by teacher recommendation.

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 (Class Size Limit: 25)

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)

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 Chemistry. **Dry erase markers are required for this course, and a scientific calculator is highly encouraged.**

AP Chemistry

Credit: 1 (Class Size Limit: 12)

Required: No

Prerequisites: Senior Standing and 88% 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 number years)

Credit: 1 (Class Size Limit: 16)

Required: No

Prerequisite: Junior or Senior Standing and an 88% or better in Algebra 2. With current enrollment, instructor consent may replace the courses.

Models of Light is a Physics 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. **Dry erase markers and a quadrille-lined notebook are required for this course, and a scientific calculator is highly encouraged.**

Physics - Classical Mechanics
(Offered in odd numbered years)

Credit: 1 (Class Size Limit: 16)

Required: No

Prerequisite: Junior or Senior Standing and an 88% or better in Algebra 2. With current enrollment, instructor consent may replace the courses.

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 phenomenon, 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. **Dry erase markers are required for this course, and a scientific calculator is highly encouraged.**

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 spiral bound, quadrille-lined notebook is required for this course, and 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 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.

U.S. History

Credit: 1

Required: Yes

Prerequisite: Junior Standing

U.S. History is a survey of America's past from 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 WWI, the roaring Twenties, The Great Depression, the New Deal, WWII, The Truman Years, the Korean War, Camelot and JFK, the Vietnam Conflict, Nixon and Watergate, the 1970's, the Reagan and Bush Years, and the Clinton Administration.

U.S. Government

Credit: ½

Required: Yes

Prerequisite: Freshman Standing

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

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: 22)

Required: No

Prerequisite: Freshman - Senior Standing

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

This course provides the students with an opportunity to increase his/her knowledge of human behavior thus becoming more aware of the impact of his/her behavior on others. It focuses on human development and discovering the world through cognition, thinking, memory, and intelligence. **This course is offered as an Advanced Standing course in conjunction with Fox Valley Technical College, meaning that students earning a grade of a “B” or better will suffice the requirement for *Intro to Psychology* at FVTC.**

Multiculturalism

Credit: ½ (Class Size Limit: 22)

Required: No

Prerequisite: Freshman - Senior Standing

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 Muslims.

The Presidency

Credit: ½ (Class Size Limit: 22)

Required: No

Prerequisite: Freshman - Senior Standing

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 his/her role in history. This course takes a deep look into the lives of the men 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, and the Secret Service.

Wisconsin History

Credit: ½ (Class Size Limit: 25)

Required: No

Prerequisite: Sophomore through Senior Standing

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, 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

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 and many more!

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. We will explore such famous works as *Saving Private Ryan*, *Casablanca*, *Grapes of Wrath*, *12 Years a Slave*, and many more. Discover the connection between history, society, literature, and films. Learn how the cinema shows history as well as makes history. This course does require the completion of many writing assignments of varying lengths.

Scandals and Conspiracies in History

Credit: ½ (Class Size Limit: 22)

Required: No

Prerequisite: Sophomore through Senior Standing

This class meanders through many scandals and conspiracies in history as we discover the truth about Columbus, the Salem Witch Trials, and Thomas Jefferson's connections with his slaves and look at Benedict Arnold and the life and assassination of Abraham Lincoln. We will also explore more recent issues 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 as many other topics will be covered during this class.

CAPP History 201: United States History to 1877

***Credit and Cost:** This course is offered for dual credit (3 credits) through UW-Oshkosh. Cost to take for dual credit is approximately \$300.

Credit: ½

Required: No

Prerequisite: Junior or Senior Standing. Other academic eligibility requirements do apply (see school counselor).

***This course can be taken in place of U.S. History.**

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.

***This course is offered for dual credit (3 credits) through UW-Oshkosh.**

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 and Cost:** This course is offered for dual credit (3 credits) through UW-Oshkosh. Cost to take for dual credit is approximately \$300.

Credit: ~~½ (Semester only)~~ 1

Required: No

Prerequisite: Juniors ~~or Senior~~ Standing

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.

*This course is offered for dual credit (3 credits) through UW-Oshkosh.

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

Automotive Transportation Technology

Credit: ½

Required: No

Prerequisite: Small Engines and a Junior or Senior standing and **must have a car or access to one and a valid driver's license**

This course is an introduction to automotive technology for both consumer and technician perspectives. 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 within class and lab while working on his/her own vehicle to perform a variety of assignments. Emissions, 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 take more than one time with instructor's approval.**

Small Engines and Power Equipment

Credit: ½

Required: No

Prerequisite: Sophomore – Senior standing, Introduction to Technology Education and **must have access to a small gas engine**

This course provides students with an understanding of the theories of operation for a 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, and the seasonal requirements for the storage of engines. It will also include a fundamental understanding of basic power equipment operation and applications in addition to a core introductory understanding of technicians troubleshooting techniques. Safety Glasses and good work habits will be required.

Introduction to Technology Education

Credit: 1 (full year course)

Required: No

Prerequisite: Freshman to Senior standing

This course is meant as an exploratory or introductory course to the four main areas of Industrial Technology, which include: Communication, Manufacturing, Construction, and Transportation. Students will be exposed to many experiences in each of these areas both in the classroom and the lab situation. There will be activities and projects in the following topics: engineering, graphic communication, digital media, enterprise systems, electricity, construction, energy, and many others. This course applies 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.

Cabinet Making and Carpentry

Credit: 1 (2-hour block)

Required: No

Prerequisite: Junior or Senior standing and **must obtain and pay for own materials** All students must have Instructor's recommendation.

This class will include 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), 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 items (plywood, hardware, etc.) outside of the lab. 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 take more than one time with instructor's approval.**

Introduction To Welding

Credit: ½

Required: No

Prerequisite: Sophomore – Senior standing and Introduction to Technology Education

This class focuses on welding and cutting safety, and develops skills in welding and cutting of metals used in the transportation trades. Methods of welding include gas metal arc welding (MIG) in the horizontal, vertical, and overhead positions. Methods of cutting include oxy-fuel and plasma arc cutting of metals. Students will learn to set up and maintain welding equipment and 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. Must provide your own safety glasses. **Students may earn 1 FVTC credit for the course if they complete additional requirements.**

Welding 2

Credit: ½

Required: No

Prerequisite: Junior and Senior standing and Introduction to Welding

This course is an independent study course where students will be self-directed learnings in the welding and fabricating field. Students will design, develop, and produce welding products meeting industry standards. Curriculum will include GMAW, SMAW, and TIG welding in addition to multiple forming operations with a variety of materials. Symbols and print reading will be a key aspect of the development process. Safety Glasses and good work habits will be required. **Students may only take this course with instructor approval.**

Machine Shop I

Credit: ½

Required: No

Prerequisite: Junior and Senior standing and Introduction to Technology Education

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. Must provide your own safety glasses. **Students may earn 3 FVTC credits for the course if they complete additional requirements.**

Drafting/Blueprint

Credit: ½

Required: No

Prerequisite: Sophomore – Senior Standing

This is a one-semester course providing instruction on basic operations of CAD software. You will receive instruction on the basics of CAD through hands on experience. This course will also cover a variety of basic drafting and blueprint reading skills. Mechanical and architectural design will both be discussed.

Computer Aided Design (CAD)

Credit: ½

Required: No

Prerequisite: Junior or Senior Standing and a “C” or better in Graphic Communications

This is a one-semester course providing instruction on basic operations of CAD software. You will receive instruction on the basics of CAD through hands on experience. This course will cover a variety of basic drafting and blueprint reading skills. Mechanical and architectural design will both be discussed.

Architecture: Drafting and Design

Credit: ½

Required: No

Open To: Juniors and Seniors (**limit of 15 students per section**)

Prerequisite: Junior or Senior Standing and a “C” or better in Graphic Communications & CAD Drafting

This class is designed to help students learn the fundamental skills and concepts necessary for planning, designing, and drawing. Its main purpose is to show students how to prepare architectural drawings that will effectively and accurately communicate ideas to contractors, and construction personnel. A *drawing* will be prepared using CAD and some drafting board work.

Construction and Building Trades (Second Semester Only)

Credit: 1 (2-hour block)

Required: No

Prerequisite: Junior or Senior Standing and must have recommendation from instructor.

This class will serve as an introduction to the building trades and construction placing emphasis on 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 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 take more than one time with 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/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.**

IT:Support: Hardware Introduction

Semester Course - Grades 9 – 12

Credit: ½

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

In-School

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.

