

JOHN EDWARDS HIGH SCHOOL

Port Edwards, WI

BLACKHAWK COURSE DESCRIPTIONS

2017-18

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Introduction

This Course Description Handbook deals with the courses that are available to you at John Edwards High School. Some of them are required, and all students must take them as a fundamental part of their education, and as requirements for a high school diploma. All other courses are electives.

The selection of courses you will take in high school should be given careful consideration. Choose your courses according to your abilities, interests, and plans for the future. You should decide early in your high school career about your plans to continue your education beyond high school. Further education may involve apprenticeships, the military, trade schools, as well as technical colleges and four-year colleges. Many colleges have high scholastic standards you must meet, and may have specific subject requirements you must satisfy prior to admission. It is common for colleges to require that you rank in the upper half (or higher) of your class, and that you have a strong background in English, Social Studies, Science, Mathematics, and some require Foreign Language. If you are not planning to continue your education beyond high school, you should enroll in courses that would best prepare you to pursue the career of your choice.

Discuss your courses and plans with your parents/guardians, teachers, principal, or counselor. Your counselor is available to help you at any time with your educational and career plans. The counselor is specially trained to assist you with this type of planning. Refer to the following pages for a more detailed explanation of recommended programs and how the counselor can help you plan for the future.

High School Planning

You are about to make some of the most important decisions of your whole school career. Those decisions involve choosing courses and planning for your future. These are just two of the many important steps that should be considered and talked over with your parents/guardians, teachers or school counselor, for each is vitally interested in your future and can give you some good advice.

The Counseling Department can assist you in the following ways:

1. YOUR ACADEMIC & CAREER PLAN A four-year plan is a tool to help you map out your high school years to help you reach your goals for life after high school. By planning ahead you can more easily see how courses are related to your plans beyond high school. A grid is provided in this handbook for making your four-year plan.
2. MATERIALS AVAILABLE IN THE SCHOOL COUNSELING DEPARTMENT The school Counseling Department has a great many pamphlets, books, and catalogs on many occupations, colleges, vocational schools, trade schools, apprenticeships and the military. You can check out these materials to take home to study.
3. TESTING PROGRAM. During high school you will have the opportunity to participate in various assessments that are designed to assist you in your high school and post-secondary planning. The purpose of these assessments is to gather information to help you develop a more realistic picture of your strengths and weaknesses. All test results are given to you and your parents or guardians, along with helpful interpretive information. The assessments may include the following:
 - a. 9th Grade:
 - ACT Aspire 9 – 9th grade students will take the ACT Aspire Early High School assessment in the Spring. This computerized exam assesses students' progress in English, Math, Reading, Science and Writing.
 - b. 10th Grade:
 - i. Preliminary Scholastic Assessment Test/National Merit Scholarship Qualifying Test – a preliminary SAT, which helps you to prepare to take the SAT college entrance examination, as well as giving you the opportunity to participate in the National Merit Scholarship competition. A fee is charged for the PSAT, however students who qualify for free or reduced lunch may request a fee waiver.
 - ii. ACT Aspire 10 – 10th grade students will take the ACT Aspire Early High School assessment in the Spring. This computerized exam assesses students' progress in English, Math, Reading and Writing.
 - iii. Wisconsin Forward – This new spring assessment will measure students' progress in Social Studies.
 - c. 11th Grade:
 - i. Preliminary Scholastic Assessment Test/National Merit Scholarship Qualifying Test – a preliminary SAT, which helps you to prepare to take the SAT college entrance examination, as well as giving you the opportunity to participate in the National Merit Scholarship competition. A fee is charged for the PSAT, however students who qualify for free or reduced lunch may request a fee waiver.

- ii. SAT I (Scholastic Assessment Test) or the Accuplacer. These tests are required for admission to some post-secondary educational institutions. Fees are charged for the SAT I, and Accuplacer. Fee waivers are available to qualifying students.
 - iii. ACT Plus Writing – The ACT Plus Writing will be administered at John Edwards High School, at no expense, to all 11th grade students as per the current Wisconsin Department of Public Instruction partnership with ACT. The test is typically administered in March. The test consists of four multiple choice tests; English, Math, Reading and Science; and a 30 minute essay test that measures student writing skills.
 - iv. ACT WorkKeys – ACT WorkKeys is an applied skills assessment system which consists of 3 tests: Applied Mathematics, Locating Information, and Reading for Information.
- d. 12th Grade:
- i. ACT (American College Test) or the SAT I (Scholastic Assessment Test) or the Accuplacer. These tests are required for admission to post-secondary educational institutions. Fees are charged for the ACT, SAT I, and Accuplacer. Fee waivers are available to qualifying students.

Graduation Requirements

Port Edwards School District policy states that in order for one to graduate from John Edwards High School one must earn a minimum total of 22.0 high school credits.

English.....	4.0 credits	Science.....	3.0 credits
Social Studies.....	4.0 credits	Physical Education.....	1.5 credits
Mathematics.....	3.0 credits	Health.....	.5 credit
		Financial Literacy Emphasis.....	.5 credit

The remaining 6.0 credits needed to achieve the 22.0 credit minimum requirement may be selected from any of the available course offerings. The financial literacy emphasis course can be taken simultaneously to meet other credit. This requirement will begin with the class of 2019.

Beginning in the 2016-2017 school year, in order to be eligible to graduate with a District high school diploma, a student must have taken and successfully completed the state-required civics exam as pursuant to the Board of Education Policy.

Wisconsin Statute also requires the completion of one semester (.5 credit) of Health sometime during grades 7-12.

All graduation requirements and student obligations (fines, detentions, etc.) must be met before a student may receive a diploma or participate in the graduation ceremony. Appeals related to requirements, graduation, or participation in the graduation ceremony are subject to review by the high school principal. Students that plan on participating in the graduation ceremony must attend the graduation practice as scheduled. **IT IS THE STUDENT'S RESPONSIBILITY TO MAKE SURE THAT ALL GRADUATION REQUIREMENTS ARE MET.**

Independent Study Guidelines

Independent Study courses are available through cooperating faculty members for 12th grade students. Please read the guidelines below carefully.

All students enrolled in IS courses must have approval from the instructor and principal. A "B" average must be maintained in each IS course taken or the student will not be allowed to enroll in other IS courses in that discipline for the remainder of the year. Also, any student who abuses the privileges extended in IS courses will not be allowed to continue in other IS courses in that discipline.

Advanced Placement Guidelines

What is the Advanced Placement Program?

The Advanced Placement program allows students to take college level AP courses and/or AP exams that may give them college credit, placement or both while they are still in high school.

What courses are available?

There are 32 courses in 19 different subject areas offered world wide. They cover almost all curriculum areas. We currently offer AP Biology, AP Chemistry and AP English at John Edwards High School.

How may I take the Advanced Placement courses?

Check with the Counseling Department to see if other AP courses are available through distance learning or the internet. Apex Learning ([www. APEXlearning.com](http://www.APEXlearning.com)) is a company that provides online internet AP courses.

How do I get college credit?

You must take an Advanced Placement exam in your subject area. Advanced Placement exams are administered in May. Exam scores range from 5 – 1 you must score a 3, 4, or 5 on the exam to be eligible for college credit or placement. The fee for each exam is approximately \$92. You may take the AP exam to qualify for college credit without having taken an AP course.

Who pays for the Advance Placement exam?

Wisconsin Statutes 120.12(22) requires your school district to pay the fee for taking Advanced Placement exams for students who qualify for free or reduced priced lunches. Other students not qualifying for free or reduced lunches must pay their own exam fees.

Where may I find more information about the advanced placement program?

Contact your counselor, high school teachers or principal. The College Board, the developer of the AP program publishes brochures and course guides that are available to students. They can be contacted online at www.collegeboard.org. The College Board has an online store where you can order their publications. It is <http://cbweb2.collegeboard.org/shopping/>.

John Edwards High School Virtual School Offerings

The Port Edwards School District offers an opportunity to take courses through the Wisconsin Virtual School to students that have unique scheduling needs not met through the traditional scheduling process. The Wisconsin Virtual School (WVS) partners with school districts across the state to offer online education. Courses taken through the WVS will be included on the student's transcript and grade point average. All course requests for WVS will be reviewed by the high school principal on an individual basis. Wisconsin Virtual School courses cover a wide variety of topics. A complete list of Wisconsin Virtual School courses are available in the school Counseling Department or online at www.wisconsinvirtualschool.org.

Additional Information

Individualized courses will be made available to students with approval of the principal when an IEP warrants such accommodation. Port Edwards School District is also approved by Wisconsin Department of Public Instruction to offer GED-Option 2 programming, under strict guidelines, to qualified credit deficient students. Please discuss concerns and requests for additional information with the school counselor or principal.

Plato or other individualized or distance learning based courses are made available to students for credit or audit on a case-by-case consideration basis under certain circumstances, such as special needs, credit deficiency or other at-risk needs. Requests for consideration are to be made in the school Counseling Department with the principal or designee granting approval or disapproval.

Youth Options and Course Options courses are available to students meeting certain criteria. Applications and additional information related to these programs can be obtained in the school Counseling Department.

Information for Athletes - NCAA

If you are thinking about playing sports in college, your high school planning is extremely important. The NCAA has minimum requirements that you must meet in order to be eligible to play college sports at any Division I or II college. The individual school sets eligibility at Division III schools. You must meet both academic eligibility requirements, based on a combination of your grade point average and your ACT or SAT I score, as well as completing NCAA approved Core Courses in subjects such as English, Math, Social Sciences, and Physical or Biological Sciences, and approved elective credits.

The NCAA publishes a booklet called "Guide for the College-Bound Student-Athlete." Student Athletes are encouraged to access the NCAA web site at www.ncaa.org to download a copy of the Guide, or for more information, including a list of NCAA approved courses offered at John Edwards High School. To be eligible to play sports at a division I or II school in college, you must register with the NCAA Clearinghouse, and complete the student release form during your junior year in high school at www.ncaaclearinghouse.net. It is the student's responsibility to determine course selection of NCAA approved courses.

Reporting Student Progress

PowerSchool is the student information system used by the Port Edwards School District. PowerSchool enables parents/guardians and students the ability to view grades, assignments, attendance, lunch account balance and the daily bulletin at any time. Parents/guardians will also receive mid-term reports and quarter report cards via mail. Contact the school Counseling Department if you have questions regarding PowerSchool login information.

Summer School

Summer school is available to students for credit recovery. Students taking summer school courses for credit make-up will have the original failing grade remain on their permanent transcript. A high school student may be able to attend summer school to earn .5

credit in a course where the student previously earned a failing grade. Enrollment in summer school is limited and will be granted first to seniors, then to juniors, followed by sophomores and lastly freshmen. A student will be allowed no more than two absences for any reason during summer school and will be dropped on the third absence.

Attendance

State statute 118.15 indicates the following: "any person having under his or her control a child who is between the ages of 6 and 18 must cause the child to attend school regularly until the end of the school term, quarter or semester of the school year in which the child turns 18 years of age.

Attendance and completion of high school is extremely important. Practicing good attendance in high school will make the student a better employee and/or student in the future.

Post-Secondary Planning

You will have many different options available to you to help you get into the career of your choice. Careful planning while in high school will help you with your post-secondary (after high school) options. Different careers may require varying type and length of training.

School To Work – Students who have employment may receive credit for on the job work experience whereby they are assessed on skills as prescribed by the Wisconsin Work Skills Certification Program. This program is coordinated with the School to Work coordinator and the school Counseling Department.

Transcripted Credit – Certain CTE classes offer students the ability to receive technical college credit and high school credit concurrently. This program is voluntary on the student's part and is provided at no cost to the student. This program is coordinated with the instructor, MSTC, and the school Counseling Department.

*Apprenticeship Programs – a more formalized type of on-the-job training in which an employer provides both classroom and hands-on training for varying lengths of time.

*Technical College – many careers require training at a technical college, such as Mid-State Technical College, lasting from a few weeks to two years (some may be slightly longer). There are 16 different campuses of the Wisconsin Technical College system located in many different parts of the state. Many different programs are offered through technical colleges, and for some programs, there is even an opportunity to transfer to a four-year college if desired. More information may be found in the *Wisconsin Technical College System Guidebook*, which you may obtain from the school Counseling Department.

*Four-Year College or University – many careers require completion of a four-year college degree, and some may require students to complete a master's or doctoral degree. Wisconsin has excellent public and private colleges and universities.

- University of Wisconsin System - - with twenty-six campuses to choose from, the UW system offers students a variety of options, from the smaller two-year campuses offering general education requirements and associate of arts degrees, to the larger four-year campuses offering bachelor's degrees or higher. Information about admissions requirements, majors and more may be found in the *Introduction to the University of Wisconsin System* book, which you may obtain from the school Counseling Department.
- Wisconsin Private Colleges and Universities –there are twenty campuses of private college or universities in the state, offering a wide variety of degree programs, primarily bachelor's degrees, with fourteen campuses offering master's degrees as well. Admission requirements vary greatly by campus, and students may find more information in the booklet *Wisconsin's Private Colleges & Universities*, which may be obtained in the school Counseling Department.

*Military – the six branches of the United States Military offer many different career-training options, allowing students to enlist right out of high school, attend one of the Academies, or enroll in a four-year college as part of the Reserve Officer Training Corps. Students interested in military service should speak to a recruiter, who visits the high school at varying times during the year, and also should be sure to take the ASVAB (Armed Services Vocational Aptitude Battery) during their junior year. More information may be found on Military.com.

John Edwards High School Student Academic & Career Plan

Name: _____

Date Completed: _____

Class of _____

Grade in Fall 2017: _____

Department ↓↓↓	Total credits required to graduate. (22.0)	Grade 9 ↓↓↓	Grade 10 ↓↓↓	Grade 11 ↓↓↓	Grade 12 ↓↓↓
English → → →	4.0 credits	Freshman English (1.0)	Survey of Literature (0.5) AND Oral & Written Communication (0.5)	American Literature (0.5) AND Choose 0.5 credit OR Pre-AP Literature (1.0)	Choose 1.0 credit.
Math → → →	3.0 credits	Algebra 1 (1.0)	Geometry (1.0)	Integrated Math 2 (1.0) OR Algebra 2 (1.0) OR Pre-Calculus (1.0)	Recommend 1.0 credit. Next in sequence.
Science → → →	3.0 credits	Physical Science (1.0)	Biology (1.0)	Choose 1.0 credit. Recommend Chemistry (1.0)	Recommend 1.0 credit of upper level science.
Social Studies → → →	4.0 credits	World History (1.0)	U.S. History (1.0)	Choose 1.0 credit	Choose 1.0 credit
Physical Education → → →	1.5 credits	Phy. Ed. (0.5)	Phy. Ed. (0.5)	Phy. Ed. (0.5)	
Health	0.5 credits	Health Issues (0.5)			
Financial Literacy Emphasis	0.5 credits Any ONE of these .5 credit courses will meet requirement:	Consumer Home Maintenance (Gr. 9-12) Leadership, Life Skills & Relationships (Gr. 9-12)	Personal Finance (Gr. 10-12) Accounting I (Gr. 10-12)	Microeconomics (Gr. 11-12) Political & Economic Theory (Gr. 11-12)	
Electives → → →	6.0 credits	Computer Applications 1 (0.5)			

Career Goals: _____.

Post-Secondary Goals: _____.

The 16 Career Clusters

Career Clusters are broad occupational groupings based on a set of common *knowledge and skills* required for a specific career. Wisconsin has adopted the National 16 Career Clusters that also serve as a tool for organizing curriculum and instruction. Career Clusters provide opportunities for all students regardless of their career goals and interests.

Career Clusters are a tool for a seamless educational system that:

- blends rigorous academic/technical preparation
- provides career development
- offers options for students to experience all aspects of a business or industry
- facilitates/assists students and educators with ongoing transitions

	Agriculture, Food & Natural Resources	The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture and other plant and animal products/resources.
	Architecture & Construction	Careers in designing, planning, managing, building and maintaining the built environment.
	Arts, A/V Technology & Communications	Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism and entertainment services.
	Business Management & Administration	Encompasses planning, organizing, directing and evaluating business functions essential to efficient and productive business operations.
	Education & Training	Planning, managing, and providing education and training services, and related learning support services.
	Finance	Services for financial and investment planning, banking, insurance and business financial management.
		Executing governmental functions

	<p>Government & Public Administration</p>	<p>to include Governance, National Security, Foreign Service, Planning Revenue and Taxation, Regulation and Management and Administration at the local, state and federal levels.</p>
	<p>Health Science</p>	<p>Planning, managing and providing therapeutic services, diagnostic services, health informatics, support services and biotechnology research and development.</p>
	<p>Hospitality & Tourism</p>	<p>Encompasses the management, marketing and operations of restaurants and other food services, lodging, attractions, recreation events and travel related services.</p>
	<p>Human Services</p>	<p>Preparing individuals for employment in career pathways that related to families and human needs.</p>
	<p>Information Technology</p>	<p>Building linkages to IT Occupations Framework for entry level, technical and professional careers related to the design, development, support and management of hardware, software, multimedia and systems integration.</p>
	<p>Law, Public Safety, Corrections & Security</p>	<p>Planning, managing and providing legal, public safety, protective services, and homeland security.</p>
	<p>Manufacturing</p>	<p>Planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support.</p>
	<p>Marketing</p>	<p>Planning, managing and performing marketing activities to reach organizational objectives.</p>
	<p>Science, Technology, Engineering & Mathematics</p>	<p>Planning, managing and providing scientific research and professional and technical services (e.g. physical science, social science, engineering) including laboratory and testing services and research and development services.</p>
	<p>Transportation, Distribution & Logistics</p>	<p>Planning, management, movement of people, materials and goods by road, pipeline, air, rail and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.</p>

ENGLISH

Students are required to earn 4.0 credits of English in order to meet graduation requirements. Freshmen will take 1.0 credit of Freshman English. Sophomores will take 0.5 credit of Survey of Literature and 0.5 credit of Oral and Written Communication. Juniors will take either American Literature along with another 0.5 credit English course of his/her choice or Pre-AP American Literature which is a prerequisite for 12th grade AP Literature & Composition. Seniors are allowed to select from the various English course offerings to fulfill the remaining 1.0 credit requirement. Juniors and Seniors are allowed to select additional English courses as elective opportunities.

Freshman English – Full year course – .5 credit per semester – Grade 9

An overall study of reading, writing, speaking, listening, and thinking skills. Students will cover vocabulary, essay writing, short stories, drama, speech, poetry, and novels.

Survey of Literature – One Semester - .5 credit – Grade 10

As a survey course, this class will deal with a variety of genres and styles of literature. Texts studied throughout the year may include, but are not limited to: Of Mice and Men, To Kill a Mockingbird, Whale Talk, and Tuesday's with Morrie. Students will also be reading choice books independently along with the books read as a class. Students will complete numerous written assignments and other projects to show their understanding of the stories read. This course will continue to concentrate on the basics of English language: grammar, vocabulary, and the fundamentals of writing.

Oral and Written Communications – One Semester – .5 credit – Grade 10

In this course students will participate in and study the means of effective oral and written communication. Students will review the proper uses of the English language in written and spoken form. Students will participate in speech, debate, and short dramatic readings. Writing and research will be incorporated throughout the semester as students analyze communication methods and write their own speeches and debates.

American Literature: The American Dream – One Semester – .5 credit – Grade 11

In this American-literature based course, students will complete activities designed to enhance reading, writing, vocabulary, research, speaking and listening skills through reading of fiction, nonfiction, drama, and poetry from the canon of American Literature. The goals of the course are to strengthen a student's communication skills, reading comprehension, vocabulary, and writing skills. Students will produce papers, read literature, and participate in cooperative learning.

Pre-AP American Literature – Full year course - .5 credit per semester – Grade 11 (Prerequisite: instructor approval)

This course will prepare students for the AP class available during their 12th grade year. The focus will be on writing a literary analysis, which is the basis of the AP Exam to be taken at the completion of the 12th grade AP class. The readings will focus on American literature and the different literary traditions established in American literature. Students will survey America's literature from colonization to present day. Students will read a variety of genres, styles, and authors. Texts to be studied throughout the year may include, but are not limited to My Antonia, The Awakening, The Great Gatsby, and The Scarlet Letter. Poetry, particularly Modern Poetry, will also be a focus of this course.

College Prep Writing – One Semester – .5 credit – Grades 11-12

College Preparatory Writing is a course designed for students who desire to learn how to write college papers and to improve their writing techniques. A research paper is required. Students will write a variety of essays as well as study weekly vocabulary words. Types of essays students will write during the course may include: process, descriptive, compare/contrast, persuasive, cause and effect, and narrative. In conjunction with essay writing, students will hone their critiquing skills by critiquing each other's essays. This class is recommended to anyone who wants to improve upon, or practice, their writing skills.

Many Voices: Journeys in America – One Semester - .5 credit – Grades 11-12

This course will focus on multi-cultural/women authors. The students will read novels, short stories, poetry, and non-fiction from various authors. Writing will also be an emphasis in this course. Students will display their knowledge of the material by writing for a variety of purposes. Film interpretations of the stories read will be incorporated into the course at times. Some of the novels that will be read will deal with sensitive/adult subject matter. One of the course units will also call for a class project, to be determined by the class. Books to be included in the course include, but are not limited to: The Color Purple, The Joy Luck Club, and The House on Mango Street.

Modern Literature : One Semester - .5 credit – Grade 11-12

This course is a literature elective for juniors and seniors whose language arts skills represent a wide range of abilities. This unique course combines an individualized reading workshop with in-common reading and discussion. Reading selections are chosen by the students from choices offered by the instructor, as well as choosing any modern text they would like to read on their own. A short "film as literature" unit will accompany each quarter. This course provides students with academic and creative strategies for reading, writing and viewing. Please note that students do A LOT of reading in this course, and most work is independent.

Media Literacy: Thinking critically about Media – One Semester - .5 credit – Grade 12

This course is designed to help students focus on analyzing various media. Film and TV shows will be viewed. Music and advertising will also be studied. The first quarter of the course teaches students how to analyze media messages and includes a quarter blogging project about students' experiences with media. Students will gain an understanding of how to filter information they receive from the media and learn to think critically about what is being presented to them through the media. Movies and TV will also be viewed and discussed for media content and analysis. Students will be expected to write for a variety of purposes (analysis, creative, persuasive, etc.) as well as read articles regarding media. In the second quarter of the course students learn about film techniques and then put their knowledge to use in analyzing films in and out of class – writing a variety of film papers will be a part of this quarter. A final project in the second quarter asks students to put their knowledge of film to work as they produce their own short film.

AP Literature and Composition – Full year course - .5 credit per semester (**Prerequisite:** 12th grade, and instructor approval)

An Advanced Placement English course in Literature and Composition will engage students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students will deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. Students will be asked to consider a work's structure, style, and themes as well as smaller-scale elements such as the use of figurative language, imagery, symbolism, and tone. Students will be covering various genres, periods, and styles, while reading works from a wide variety of authors. Writing is an integral part of this AP course. Writing assignments will focus on the critical analysis of literature and preparing students for the essays and readings they will need to do on the AP Exam. **There is a \$92 fee for this course to cover the cost of the AP Exam to be taken in May. Students who score a 3 or above on the exam will have this fee reimbursed. Scoring a 3 or above on the AP test will allow students opportunity to have college level English credits awarded by colleges or universities they attend in the future. The \$92 fee will need to be paid by the end of the first quarter. All students registered for the class need to pay this fee and take the exam in May.**

MATHEMATICS

Students are required to earn 3.0 credits of mathematics in order to meet graduation requirements. Please pay special attention to the indicated prerequisites as they set forth the course sequence. Although only 3.0 credits of mathematics are required in order to graduate, students considering college or university study are strongly advised to take 4 credits of upper level mathematics. Students are also strongly advised to check admission requirements and recommendations for each specific technical college, university or college campuses and programs and plan accordingly.

Algebra I – Full year course - .5 credit per semester

The purpose of Algebra I is to lay a solid foundation necessary to be successful in future math courses and in today's world. Topics to be studied include: properties of real numbers, solving and graphing linear equations and inequalities, analyzing functions and relations, solving systems of equations and inequalities, and working with various kinds of polynomials and nonlinear functions. This course will prepare the students for Geometry and helps meet the mathematics requirements for post-secondary schooling.

Geometry – Full year course - .5 credit per semester (**Prerequisite:** Algebra I)

This course will help students discover, learn, and apply geometry. It will provide opportunities to review and use algebraic concepts while studying geometry. Topics to be studied include: reasoning in geometry, parallels and polygons, triangles.

Integrated Math II – Full year course – .5 credit per semester (**Prerequisite:** Geometry)

This course will focus on strengthening various algebra, geometry, statistics, and probability skills needed to succeed in Algebra II in a more individualized manner. The course reviews some skills from Algebra I and Geometry as well as introduces some of the topics to be covered in Algebra II.

Algebra II – Full year course - .5 credit per semester (**Prerequisite:** Geometry)

This course will expand and review the skills learned in Geometry and Algebra I. Topics to be studied include: linear relations, graphs, matrices, systems, quadratic equations, functions, powers, roots, polynomials, conic sections, and trigonometry. Probability and statistics topics are interwoven throughout the course. This course will prepare the student for Pre-calculus and helps meet the mathematics requirements for post-secondary schooling.

Integrated Math III – Full year course – .5 credit per semester (**Prerequisite:** Integrated Math II or Algebra II)

This course will extend the content studied in Integrated Math II. The course will review algebraic concepts and expand those into exploration of functions, proofs and logic, calculus, trigonometric concepts associated with vectors, probability, and transformations.

Pre-calculus: Full year course - .5 credit per semester (**Prerequisite:** Algebra II or Integrated Math III)

Pre-calculus is designed to prepare students for Calculus and higher college math courses. This course will review and expand on Algebra II concepts. Topics covered are: polynomial, exponential, logarithmic, trigonometric functions and their graphs, systems of equations, matrices and determinants, statistics, series, and probability.

Calculus – Full year course – .5 credit per semester (**Prerequisite:** Pre-Calculus)

This course will cover the basics of calculus. The topics will include some from previous mathematics work, such as functions, continuity, trigonometry, and statistics. The majority of the topics will be devoted to limits, derivatives, integrals, and the applications of derivatives and integrals. Graphing calculators will be utilized throughout the course.

SCIENCE

Students are required to earn 3.0 credits of science, which incorporates instruction in the biological and physical sciences, in order to meet graduation requirements. Freshmen will take 1.0 credit of Physical Science. Sophomores will take 1.0 credit of Biology. Students are allowed to select from the various science courses offered in order to fulfill the remaining 1.0 credit requirement. Please pay attention to the prerequisites as they set forth the course sequences within the Science department. Students planning to pursue technical college education, especially in the scientific or health related programs, and students planning to attend college or university are strongly advised to take Chemistry for their 3rd science credit in addition to at least a 4th credit selected from upper level science course offerings.

Physical Science - Full year course – .5 credit per semester – Grade 9

Physical Science is designed to develop a better understanding of the natural and physical world. The following are explored by means of discussions, demonstrations, activities, and laboratory experiments: metric system, changes in matter, sound, simple machines, forces and motion, electricity, magnetism, light, and alternative energy sources. Emphasis is placed on mathematical applications.

Biology I - Full year course – .5 credit per semester – Grade 10

Biology is the study of plant and animal life. The main focuses are an introduction to ecology, cells, kingdoms, their development, levels of complexity and interrelationships. This culminates in an introduction to the study of the biology of man. All areas of study are coordinated with laboratory investigations.

Ecology – One Semester - .5 Credit – to be taught 2nd Semester

Students will obtain a detailed understanding of ecosystems and human interactions within ecosystems. Topics to be covered include: basic principles of ecology, population dynamics, energy flow through the biosphere, ecology of communities, and the exploration of various biomes, ocean ecosystems, and the atmosphere. Must have passed 1st semester Biology 1

Meteorology & Astronomy – One Semester course - .5 credit, to be taught 2nd Semester

This course will focus on the large masses of our universe. Topics will include our solar system, the planets, moons, asteroids, galaxies, cosmos, stars and constellations. Studies pertaining to the weather of planet Earth will also be incorporated into this course. This will include units on atmosphere composition, pressure, humidity, precipitation, wind, weather patterns, fronts and front movements, clouds, storms, radiation and absorption of heat from the sun.

Physical Geology – One Semester course - .5 credit, to be taught 1st Semester

Students will learn about the Earth's composition, plate tectonics and how the Earth's formations were created. Skills of map-reading will be developed and practiced.

Forensic Science - One Semester – .5 Credit - Grades 11 - 12

Forensic science is the application of basic science principles and technological practices to the purposes of law enforcement. Students will learn terminology and investigative procedures related to crime scene investigation and processing. Using scientific methods, students will collect and analyze evidence through case studies, laboratory experiences, and simulated crime scenes. Topics include DNA analysis, fingerprint and handwriting analysis, hair and fiber analysis, ballistics, and blood typing and spatter analysis. Current events will also be explored.

Environmental Science– One Semester course - .5 credit

This course will teach principles and concepts regarding the interrelationship of humans in the natural world. Students will learn and practice sustainable ecological methods and ethical decision-making skills regarding the human impact on our world.

Botany – One Semester – spring semester - .5 credit (Prerequisite: Biology)

Botany is the study of plants and their physiology. Main units will focus on the structure and function of plants, plant reproduction, taxonomy and classification of plants, and plant growth and reproduction. Topics are emphasized through lab experience and raising of plants in the greenhouse.

Microbiology – One Semester - .5 Credit, to be taught 1st Semester (Prerequisite: Biology with a C average)

This course looks at things such as why you, as well as other animals and plants, get sick. We'll explore many organisms usually too small to see without a microscope. Topics covered will include history of microbiology and diseases, basic chemistry, laboratory procedures, types of microorganisms, germ anatomy and growth, ways to control microbes, genetics, how our bodies fight infections, and many diseases that confront us throughout our lives. Students taking this course have passed biology. Chemistry would be beneficial, but is not required. This is an advanced level, college prep-style course. Students must be prepared to dedicate appropriate study time.

Introduction to Chemistry – Full year course – 0.5 credit per semester – Grades 11-12

A science of matter and energy with an emphasis on matter, this introductory course is based on modern theory and focuses on developing core concepts and topics such as atomic theory, periodic table, chemical bonding and chemical reactions. Instruction and laboratory experiences will emphasize an introductory level of understanding of fundamental concepts of chemistry and mathematical expression.

Chemistry - Full year course – .5 credit per semester (**Prerequisite:** Geometry with a C average)

A science of matter and energy with an emphasis on matter. This course is based on modern theory and presents an introduction to fundamental terms and concepts of physical science: develops topics of atomic theory, periodic table, chemical bonding, stoichiometry of chemical equations and types of reactions. Emphasis on computational skills needed to calculate reactants and products of reactions, and problem solving necessary for application of concepts. Provides a strong foundation for advanced chemistry or physics

Anatomy & Physiology – Full year — .5 credit per semester – Grade 11-12 (**Prerequisite:** Biology with a C average). *This course will be offered during school years beginning in an even numbered calendar year.*

The in-depth look at the eleven organ systems of the human body and how they interact. Main focuses are on the skeletal, muscular, digestive, circulatory, and nervous systems. Lecture material is supplemented with several dissections. Lecture and lab will be equally emphasized. This is an advanced level, college prep-style course. Students must be prepared to dedicate appropriate study time.

Advanced Placement Biology - Full year course – .5 credit per semester (**Prerequisites:** Biology with a C average and at least concurrent registration in Chemistry) – Grade 11-12. *This course will be offered during school years beginning in an odd numbered calendar year.*

This course is designed to prepare the student to take the Advanced Placement Examination in May to earn college credit in Biology. The student will have a rigorous schedule in a college biology textbook, accompanied by various outlines, concept maps, power points, and open-ended essay questions to guide study. Discussion sessions and laboratories will be the major focus.

There is an additional \$92 fee for this course to cover the cost of the AP Exam to be taken in May. Students who score a 3 or above on the exam will have this fee reimbursed. Scoring a 3 or above on the AP test will allow students opportunity to have college-level Science credits awarded by colleges or universities they attend in the future.

Advanced Placement Chemistry – Full year course – .5 credit per semester (**Prerequisite:** Chemistry)

This course builds on principles established in general chemistry. Theoretical quantitative and qualitative concepts will be reviewed. Laboratory work will be a large emphasis of the course; putting into application theoretical concepts. This is a critical course for those pursuing a science-related career at the technical college, college or university level. Topics to be studied include acid-base chemistry, stoichiometry, thermochemistry, electrochemistry, chemical equilibrium, chemical kinetics, thermodynamics, and qualitative analysis.

There is a \$92 fee for this course to cover the cost of the AP Exam to be taken in May. Students who score a 3 or above on the exam will have this fee reimbursed. Scoring a 3 or above on the AP test will allow students opportunity to have college-level Science credits awarded by colleges or universities they attend in the future.

SOCIAL STUDIES

Students are required to earn 4.0 credits of social studies in order to meet graduation requirements. Freshmen will complete 1.0 credit of World History and sophomores will complete 1.0 credit of U.S. History. Students are able to select from the various social studies course offerings in order to fulfill the remaining 2.0 credit requirement. Students may also fulfill their Financial Literacy Requirement by completing Microeconomics or Political and Economic Theory.

Advanced Social Studies Courses

Advanced courses can be offered on an as needed basis for students who wish to delve deeper and more rigorously into areas of Social Studies. As per the Advanced Placement College Board, students DO NOT need to complete an Advance Placement course to take any of the Social Studies AP exams, although it is recommended. Advanced courses will be offered in one of three options: 1. as a classroom course (depending on student enrollment), 2. as an Independent Study approved by Administration, 3. as an Honors option to most of the courses offered Junior and Senior year. If a student has any questions or is interested in taking an advanced course, please see Mr. Miller. Advanced courses MUST HAVE THE INSTRUCTORS PRE-APPROVAL.

World History – Full year course – .5 credit per semester – Grade 9

World History tells the stories of people, events, and institutions from the earliest civilizations to modern times. It touches upon people's beliefs, the ways they meet their economic needs, the social and political institutions they form, and the culture they transmit from one generation to another.

U.S. History – Full year course – .5 credit per semester – Grade 10

This course will cover the history of the United States from the first people in the Americas to 1930's. The focus of the course will be the people, events, institutions, and the ideas that have formed America. This course will stress the important concepts that have shaped the history and image of the United States at home and throughout the world.

World Geography – One Semester – .5 credit – Grades 11-12

Students will take an overall look at the world, its peoples, cultures, and major geographical features. Areas emphasized will include Africa, Asia, the Middle East, Eastern Europe, and South America.

American Government – One Semester – .5 credit – Grades 11-12

This course will be an overall view of the American system of government. By studying the forms, purposes, and institutions of the government, students will gain a better understanding of government action. Students will learn how the government influences their everyday lives and how they can influence the government through a variety of means. Mock elections, mock trials, and debates will be a key portion of this course.

Modern US History – One Semester - .5 credit – Grades 11-12

This course will be an expansion of the modern era of U.S. history that students were introduced to in the U.S. History course. This course will offer an expanded look at the issues, people, and events that helped shape modern America. Students will do research on a topic of their choice to help stimulate their own interest in modern U.S. history.

Current Issues - One Semester – .5 credit – Grades 11-12

Students will examine issues of today including the background and history related to the specific topics. Through the implementation of the Why We Work Here program, students will study the issues in South Wood County, the state, within our nation, and the world with the goal of creating and implementing an action plan. The concept of Community will be the focus of the course.

Psychology – One Semester – .5 Credit – Grades 11-12

Psychology is the study of human behavior and mental processes. This course will give students a basic overview of psychology, its purposes, practices, theories, and major contributors. Concepts of everyday human interaction, basic reasoning, and research techniques will be stressed.

The Holocaust and Intolerance – One Semester - .5 credit – Grades 11-12

Students taking this course will examine the Holocaust in depth, studying a wide range of sources, including historic documents, literature, films and survivor testimonies. Student-centered discussion, independent research, and group projects are emphasized to help individuals develop a personal understanding of the Holocaust's meaning for today's world. Other examples of genocide such as Armenia, Rwanda, and Sudan will also be discussed.

Microeconomics – One semester - .5 credit – Grades 11-12

This course is an introduction to the basic concepts of economics. It will focus on the concepts of supply, demand, and the establishment of prices. Personal money management and making wise monetary decisions will also be examined. Junior Achievement and *Common Sense Economics* (James D. Gwartney, Richard L. Stroup, Dwight R. Lee, Tawni Hunt Ferrarini) will play key roles within this course. **This course fulfills the .5 Financial Literacy requirement for graduation.**

Political and Economic Theory – One Semester – .5 credit – Grades 11-12

The study of the development of various political and economic theories through history will be emphasized. Students will cover an in-depth study of such philosophers as Plato, Aristotle, Machiavelli, Marx, and Smith. College level reading and expectations will prepare students for post secondary education. **This course fulfills the .5 Financial Literacy requirement for graduation.**

PHYSICAL EDUCATION and HEALTH

Students are required to earn 1.5 credits of physical education and 0.5 credit of health in order to meet graduation requirements.

Physical Education – Grades 9-12 – .5 credit

Grades 9-12 physical education programs are offered in lifetime sports. It provides students with appropriate skills to maintain physical fitness and a healthful lifestyle throughout their adult years, offering individual as well as team activities.

Weight Training and Conditioning - .5 credit - Grades 9-12

In this course, beginners will learn how to safely and properly lift weights using the Bigger Faster Stronger (BFS) principles. Students will keep track of their progress using a daily logbook. This class will provide students with a comprehensive view of different areas of weight training, circuit training and stretching. Advanced students will engage in a variety of workouts including plyometric, speed sessions, and cross fit. Students will learn concepts associated with these workouts and engage in program design. Students will also use goal setting techniques and align a proper workout and nutritional plan to their goals. It will further enhance athletes already engaged in athletics as well as those not participating in athletics. Limit 12 students per semester.

Health Issues for Young Adults - One Semester – .5 credit – 9th grade required

Topics may include: communicable diseases, drug education, first aid, CPR, sexuality, stress and emotions, careers in the health field, utilization of "Newspaper in Education" through current health topic articles and discussion. Students are involved in curriculum selection process.

ART

Students are encouraged to experience art courses as part of their elective coursework. Please pay close attention to the prerequisites as they set forth the course sequences within the Art department. 2-D Foundations and 3-D Foundations, as their names indicate, are foundational courses within the Art department. This beginning level 2-D course must be taken prior to intermediate or advanced level 2-D courses and the same is true within the 3-D course sequence.

2-D Foundations - One Semester - .5 credit

This beginning level high school course focuses on understanding and applying the elements and principles of design through a variety of two-dimensional experiences including drawing, painting, collage and printmaking. Students cover many subjects and themes as they practice and explore mediums such as pencil, pen, pastel, printing, acrylic and watercolor painting. Time will be spent learning to critique their own artwork and studying famous artists throughout history. Students will experience and begin to analyze and respond to a wide variety of artwork.

3-D Foundations - One Semester - .5 credit

This beginning level high school course will focus on understanding and applying the elements and principles of design through a variety of three-dimensional design and sculpture experiences. Students cover many subjects and themes as they practice and explore areas such as model construction, glass mosaic, paper mache, fibers, plaster, found object and clay sculpture. Time will be spent learning to critique their own art as well as studying the art of other artists and cultures throughout history. They will experience and begin to analyze and respond to a wide variety of artwork. **STUDENTS MUST PROVIDE A PAIR OF SAFETY GLASSES.**

3-D Studies - One Semester - .5 credit (Prerequisite: 3-D Foundations)

In this intermediate level course, students will apply their knowledge of the elements and principles of design through open ended projects while learning technical skills in ceramics and stained glass. In ceramics, students will explore high-level hand building then learn and practice the basics of wheel thrown pottery. They will create decorative sculpture and functional ware. Students will learn and practice basic stained glass skills then apply them in a stained glass panel of their design. Time will be spent studying and critiquing the ceramic and stained glass work of other artists and periods in history. There may be a course fee assessed based on the actual cost associated with project choice. **STUDENTS MUST PROVIDE A PAIR OF SAFETY GLASSES.**

Advanced 2-D Studies - One Semester – .5 credit (Prerequisite: 2-D Foundations, B+ or better in Drawing & Painting or Photography and instructor approval)

This advanced level course will allow those students with ability, motivation and drive the opportunity to intensively study a given 2-D medium, (drawing, painting, or photography), on a semi-independent basis. Together student and instructor will determine a course of study based on the student's skills and goals. Students must be able to manage their time productively, carry research and projects through independently and meet deadlines. Students will be encouraged to develop their own style, explore career opportunities and develop a digital portfolio of their work. There may be a course fee assessed based on the actual cost associated with project choice.

Advanced 3-D Studies -One Semester - .5 credit (Prerequisite: 3-D Foundations and a B+ or better in 3-D Studies and instructor approval)

This advanced level course will allow those students with ability, motivation and drive the opportunity to intensively study a given 3-D medium in which they have considerable previous guided experience, on a semi-independent basis. Together the student and instructor will determine a course of study based on the student's skills and goals. Students must be able to manage their time productively, carry research and projects through independently and meet deadlines. Students will be encouraged to explore and develop their own ideas and techniques and put together a digital portfolio of their work. There may be a course fee assessed based on the actual cost associated with project choice.

Drawing & Painting - One Semester - .5 credit

In this intermediate level course, students will apply and synthesize the elements and principles of design through challenging projects in various 2-D mediums. Emphasis will be placed on individualized instruction, continued skill development, visual communication of ideas and higher-level analysis and critique of artwork. Mediums will include drawing, painting and printmaking.

Intro to Photography & Digital Design - One Semester - .5 credit

This intermediate level course is an introduction to the art of photography and digital design. Students will learn the history of photography, use and care of a complicated digital camera, correction and manipulation of digital images via computer and basic (computer based graphic design. Emphasis will be placed on understanding how to use and apply the elements and principles of design to create quality, meaningful work. This rigorous course requires a certain amount of text and written work. It is suitable for responsible students who can manage their time productively, take ownership for learning technical procedures and are able to responsibly use expensive equipment. There may be a course fee assessed based on the actual cost associated with project choice.

BUSINESS & INFORMATION TECHNOLOGY EDUCATION (B&IT)

Students are encouraged to experience business education courses, especially Personal Finance, as part of their elective coursework. Freshmen or Sophomores will take Computer Applications 1.

Computer Applications I - One Semester - .5 credit – MCAS Certification (Grade 9)

The emphasis of this course is on the concepts of computing and problem solving through hands-on computer applications most frequently used in business and at home. Students will become proficient in word processing, spreadsheet applications, database applications and using electronic presentation software. Composition and data entry skills will be developed with an emphasis on punctuation, spelling and proof reading. Additional activities may include web page design, and desktop publishing. Microsoft: Word, Excel, Access, and Power Point, Microsoft FrontPage and Publisher are used. Students will be given the opportunity to become MCAS (Microsoft Certified Application Specialist) certified—the leading industry standard for demonstrating desktop skills.

Computer Applications II – One Semester .5 credit (Prerequisite: Computer Applications I and Instructor Approval) - This class will be offered during school years beginning in an even numbered calendar year. (Grades 10 -12)

Continues to develop previously learned skills developed in Computer Applications I in the Microsoft Office Suite (Word, Excel, Access, and PowerPoint) while reinforcing the students' knowledge of computer concepts, file management, Internet Explorer, Windows 7, and e-mail,. Students must possess basic keyboarding, mouse, and Windows skills. This course may offer Juniors and Seniors the option of transcribed credit with Mid-State Technical College.

Accounting I – One Semester .5 credit (Prerequisite: Computer Applications I or Instructor Consent (Grades 10-12)

Students will explore careers in accounting, and learn the basic accounting practices for financial record keeping of a business. They will learn and practice the elements of the accounting cycle, and payroll system for a small business. Students will also learn how to maintain and reconcile a personal checking account. Computer software will be used throughout the course as an accounting tool.

This course fulfills the .5 Financial Literacy requirement for graduation.

Going to Work - One Semester - .5 credit (Prerequisite: Computer Applications I or Instructor Consent - (Grades 10 -12 or Instructor Approval)

The intent of this course, is to prepare the student to enter the world of work. At the conclusion of this course the student will have completed job applications, employee-screening tests, a resume and job interviews. Resource speakers will address topics from education to job market statistics. A personal portfolio will be developed.

Independent Study - Microsoft® Certified Application Specialist – One Semester .5 credit – (Grades 10 - 12) (Prerequisite: Computer Applications I & II and instructor approval)

Students will prepare for Microsoft® Certified Application Specialist (MCAS) Credential in order to successfully complete MCAS exam through the use of Certiprep for 2007 Microsoft® Office Certifications. This tool assesses student's computer skills in terms of the objectives of the Microsoft® Certified Application Specialist certification exam through hands-on exercises. Upon completion of the preparation, students will then complete the MCAS exam(s) to obtain the credential.

MSTC will accept the MCAS Credential in lieu of their Microsoft® Office – Beginning class within one year of attainment of the credential. The credential will be considered advanced standing for the class.

Microsoft® Certified Application Specialist (MCAS) Series:

The Microsoft® Certified Application Specialist (MCAS) credential, part of the Microsoft® Business Certification program, Excel 2007, PowerPoint 2007, Access 2007, and Outlook 2007, as well as the Windows Vista operating system. Candidates must pass a certification exam in order to earn the MCAS credential.

Personal Finance – One Semester .5 credit – (Prerequisite – Computer Applications I or Instructor Consent – (Grades 10 – 12)

This course will introduce the student to practical skills in personal finance. And will cover the areas of saving, checking, budgeting, debt management, choices after high school, consumer awareness, comparison shopping, investing and retirement, insurance, payroll, money and relationships, and careers and taxes. Students will be assigned a simulated life which will include occupation, salary, and family. With this information they will attend a reality fair which will expose them to budgeting for real life expenses. Students will also play a virtual stock market game in which they will learn the basics of investing money. These simulations will assist students in learning the realistic aspects of adult concerns such as bill, mortgage, and taxes before they are faced with them in real life. **This course fulfills the .5 Financial Literacy requirement for graduation.**

Publications – Full year course – 1.0 credit (Prerequisite: Instructor Approval/Attendance, Late assignments from other classes will be considered.)

This class will produce the school yearbook and the district newsletter using the desktop publishing software. Students will be responsible for page layouts, graphics, photography, selling advertising and meeting all required deadlines. Students will use scanners, digital cameras, and various resources supplied by the yearbook printing company. When the yearbook pages are complete, the students will work on various other desktop publishing projects. Adobe Photoshop and other web based applications will be used to develop the yearbook. (Limited number of students) Students will be required to complete photo assignments outside of their regular school schedule. *Students must supply SD card*

Sports & Entertainment Management –One Semester .5 credit – Grades 10-12 - This class will be offered during school years beginning in an odd numbered calendar year.

Sports and Entertainment Management is a specialized course for students with a career interest in the fields of sports, recreation, and entertainment. Students will use the general principals of management to make informed decisions through the effective use of people and other resources. This course is designed to provide knowledge in operations, human resources, marketing, and the use of information technology in the industry. Major areas that will be covered are professional sports, theme parks, TV and movie industries, concert and arena productions, and theme restaurants. Students will also obtain an understanding of the career options available within the fields of sports and entertainment. This course is project driven, designed to give students opportunities to learn what it would be like to work in the sports and entertainment industries.

IT Youth Apprentice – One Semester – .5 Credit/Compensation – Grades 10-12 – 1 Student

Prerequisite: Computer Applications I and Computer Applications 2 (have taken or currently enrolled)

Students interested in the IT Youth Apprentice position will have the opportunity to apply should they meet the qualifications. The IT Youth Apprentice will be honest, courteous, have the initiative to work on his/her own, will have strong verbal and written communication skills. The student will have basic computer skills, the ability to troubleshoot problems and will meet Youth Apprenticeship requirements as outlined by the Wisconsin Dept. of Workforce Development – Division of Employment and Training and the School to Work policies of the Port Edwards School District. The student will earn .5 credit each semester for satisfactory performance and will be compensated at an hourly rate as determined by the Port Edwards School Board. For complete details for the IT Youth Apprentice, please see the job description. Application must be submitted 90 days prior to the beginning of each semester.

School Administrative Support Staff Assistant – One Semester – .5 Credit – Grades 10-12 – Up to 3 Students. (Pre-requisite: Computer Applications I and Going to Work (have taken or currently enrolled)

Students interested in the School Administrative Support Staff Assistant position will have the opportunity to apply should they meet the qualifications. The student assistant will be completing a variety of office-related tasks such as, answering the phone and directing calls in a professional manner, greet and assist walk-ins, open and route incoming mail, create and print sports programs, assist administration as needed and any other duties as assigned. The student will earn .5 credit each semester for satisfactory performance. For complete details for the School Administrative Support Staff Assistant, please see the job description. Application must be submitted 90 days prior to the beginning of each semester.

FAMILY & CONSUMER SCIENCES EDUCATION (FCS)

Students are encouraged to experience family and consumer education courses as part of their elective coursework. Please pay attention to prerequisites as they set forth sequence patterns for the department.

Introduction to Culinary Arts - One Semester - .5 credit

In this course, students will explore basic principles of cooking and food service. Students will learn safety, sanitation, recipe quantification skills, basic cooking principles and entry level career opportunities. Students will learn the importance of certain foods used in cooking and prepare various dishes. Students may also have the opportunity to prepare food items for school events.

Culinary Arts II - One Semester - .5 credit (Prerequisite: Introduction to Culinary Arts)

In this course students will delve deeper into food service principles as well as learn more precise cooking and preparation methods. This course will utilize aspects of the Prostart curriculum. Students will gain knowledge in specific cooking styles, knife skills and nutrition. Students will have the opportunity to plan and prepare foods for special school events.

Nutrition for Healthy Living - One Semester-.5 Credit (Prerequisite: Introduction to Culinary Arts)

Students will learn concepts of healthy eating to facilitate the journey of good health across the lifespan. Students will learn how to make individual decisions and behavior changes in healthy eating by learning how to evaluate all the nutritional information available to them. Students will investigate nutritional myth versus fact and explore how policy and environment impact nutritional choices.

Students will also have the opportunity to prepare nutritious meals. This course offers Junior and Seniors the option of earning 3 transcribed credits with Mid-State Technical College.

Fundamentals of Textiles and Interiors – One Semester - .5 credit

This class will introduce students to the elements and principles of design and how they apply to home decorating, architectural styles, period furniture, wall arrangements and accessories. They will learn to arrange furniture, design simple floor plans and select furnishings, materials and lighting for efficiency and aesthetics. Students will be introduced to careers in this field. Students will also complete a project to be used in the home setting. There may be a fee assessed based on project chosen.

Advanced Textiles and Interiors – One Semester - .5 credit (Prerequisite: Fundamentals of Textiles and Interiors)

This class will build on the basics learned in Fundamentals of Textiles and Interiors. This course addresses selecting and planning living environments to meet the needs and wants of individuals and families throughout the family life cycle, considering a broad range of economic, social, cultural, technological, environmental, maintenance, and aesthetic factors. Students will complete a projects to be used in the home setting. Career opportunities in interior design are emphasized. There may be a course fee assessed based on the actual cost associated with project choice.

Parent/Child - One Semester – .5 credit – (Not available to 9th grade)

Even if one is not a parent or are not planning to be one for some time, this class will help you to become a more perceptive and caring individual in your relationship with others. Major areas of study include issues and concerns facing parents today, the parenting "role," the parenthood decision, and child development topics.

Working With Children - One Semester – .5 Credit (Prerequisite: Parent/Child).

This course examines the knowledge and skills necessary for teaching/working with young children with an emphasis on carrying those skills over into the world of work and the child care industry. Major areas of study include career opportunities in the areas of care giving and children; guiding and teaching young children in a mini-preschool lab experience, and issues related to operating/working in a child care center. This course may offer Juniors and Seniors the option of transcribed credit with Mid-State Technical College.

Leadership, Life Skills and Relationships - One Semester – .5 credit

In this course, the student will learn skills necessary to become a strong leader as well as skills essential for building strong, healthy relationships with peers, family and others. Students will also focus on the skills necessary for living on one's own including being a smart and informed consumer and how to manage our personal finances. **This course fulfills the .5 Financial Literacy requirement for graduation.**

Exploring Health Occupations - One Semester - .5 credit – Grades 11-12

This course gives students the opportunity to discover a wide range of careers in the health care industry. Information regarding health care career clusters, body systems, trends in health care, infection control, medical terminology, medical math, nutrition, and geriatric care will be studied. Students may have the opportunity to obtain certification in First Aid and CPR.

FOREIGN LANGUAGE

Students planning to attend college or university are strongly advised to take at least 2.0 credits of a single foreign language as part of their elective coursework. Currently, UW-Madison requires at least 2.0 credits of a single foreign language as an admission standard.

Spanish 1 – Full year course – .5 credit per semester

In Spanish I students will be introduced to the language and cultures (beliefs, life styles, and characteristics) of the Spanish-speaking world. The Spanish language differs from the English language in grammar structures. The goal in Spanish I is to acquaint students with the everyday world of Spanish. In other words, students will learn and utilize vocabulary and grammar that deals with everyday life. Topics might include: family, self, school, hometown, home, friends, sports, and hobbies. Through short dialogues using everyday vocabulary, you will begin to speak, read and understand spoken Spanish. This course builds on the material learned.

Spanish 2 – Full year course – .5 credit per semester (Prerequisite: Spanish 2 is open to all students who successfully completed Spanish 1 with a "C" average or higher. Spanish 2 is also open to all students who successfully completed 7th and 8th grade Spanish at John Edwards Middle School with a "C" average or higher for both years of the course.)

Spanish 2 is an intense continuation of the study of Spanish, the cultures and the language. The focus is on grammar with opportunities to verbally, and in writing, express these concepts. Vocabulary highlights the home, work and play. Several tenses for verbs are studied. Active participation and use of the target language is encouraged in the classroom. The standard for Spanish 2 emphasizes the language. Throughout the year, oral and written assignments will meet the goal for language proficiency.

Spanish 3 – Full year course – .5 credit per semester – (Prerequisite: Spanish 3 is open to all students who successfully complete High School Spanish 2 with a "C" Average or higher. No one with less than a "C" average in Spanish 2 will be permitted to take the class without instructor's permission.)

This course continues to develop the four language skills: reading, writing, listening and speaking, previously studied in lower levels. Different texts will be read and discussed with an emphasis in literary genres, grammar, vocabulary and spelling. Spanish and Latin American authors are studied, especially in narrative and poetry genres. Students learn how to write an essay, how to think with a particular point of view, how to explain their ideas to others, and how to listen to others.

Spanish 4 – Full year course – .5 credit per semester (Prerequisite: Spanish 4 is open to all students who successfully complete High School Spanish 3 with a "C" Average or higher. No one with less than a "C" average in Spanish 3 will be permitted to take the class without the instructor's permission.) This level emphasizes the study of Latin American and Spanish authors. A variety of literary genres and their particular characteristics are studied. Students are encouraged to express their opinion in a critical way and to explain and find solutions to today's problems. Vocabulary development is also stressed.

Spanish 5 – Full year course - .5 credit per semester (Prerequisite: Spanish 5 is open to all students who successfully complete High School Spanish 4 with a "C" average or higher. No one with less than a "C" average in Spanish 4 will be permitted to take the course without the instructor's permission.)

Students will be introduced to more sophisticated grammar structures and read selections from Spanish literature. The emphasis will be on more complex sentence structure and additional verb tenses. Students will further develop their speaking skills and gain further ability in expressing themselves in a variety of situations. Students will be expected to demonstrate advanced oral and written proficiency.

MUSIC

Students are encouraged to experience music as part of their elective coursework.

Concert Band – Full year course - .5 credit per semester - Grades 9-12

The concert band is open to any student who has previously played a band instrument. A love for playing is a must! Concert band's music repertoire includes a wide variety of styles. The concert band participates in parades, pep rallies, athletic events, solo and ensemble, concerts, Memorial Day services, and Graduation throughout the year. This is a performance based class and all performances are required.

Jazz Ensemble (Band) – Full year course - .5 Credit per semester

Jazz ensemble is open to all high school students that can play an instrument. A love for playing is a must! This course will explore music such as big band, swing, blues, etc. This is a performance based class and all performances are required. Dual enrollment in Concert Band is required.

Music: Vocal and Appreciation - .5 credit per semester

In this semester course, students need no experience to join, simply a passion for music and a willingness to learn. Students can expect to sing each day, learning a variety of repertoire from different time periods, general music instruments, the theory behind the music and proper technique. Each semester students show off their talent with a public performance(s).

TECHNOLOGY AND ENGINEERING EDUCATION (TE)

Students are encouraged to experience Technology Education courses as a part of their elective coursework. Students that enroll in these courses can expect to receive an education that will provide:

A “Hands on and Minds on” learning experience

A Skills-Based approach

“Real World “ scenarios to enrich core academics

Courses leading to high skill, high wage, high demand, and highly rewarding careers.

Rigor, Relevance, Relationships, Responsibilities.

CONSTRUCTION COURSES

Consumer Home Maintenance - One Semester - 5 Credit (Prerequisites: None)

Class Note: This class may require students to leave school to further their knowledge on the concepts in this class.

Coursework: Students will learn about owning a home, leasing, managing budgets, and calculating costs for general repairs “around the house”. Covered in this course for leasing a property will be rental agreements, security deposits, costs of renting, basic maintenance of the rental, and other similar items. Covered in the course for owning a home will be maintenance schedules for the house, basic repairs, landscaping, costs for owning a home, and other similar items. Students will also learn about energy efficiency and how to save money with both rentals and with houses. **This course fulfills the .5 Financial Literacy requirement for graduation.**

DRAFTING AND ENGINEERING COURSES

Engineering 1: Introduction to Engineering (Fall only) - One Semester - .5 Credit. (Prerequisite: None)

Coursework: Students will learn the fundamentals of engineering in this class and will learn how to properly draft 2-D and 3-D objects. Measurement, working with fractions and decimals, and learning about different forms of drafting geometry are major points in this class. Students will gain an understanding for and experience in using the 3-D drafting software, SolidWorks, in a theoretical practical manner. Along with drafting software, students will use a 3D Printer for a few prototypes and finished models for the course.

Engineering 2: Production Engineering (Spring only) - One Semester - .5 Credit (Prerequisite: An 80% or better in Engineering 1 AND an 80% or better in Woodworking 1 OR the permission of the instructor)

Coursework: Students will be in working in groups for the majority of this class. They will be collaboratively thinking about a project and they will then mass produce the project out of mainly wood. Students will gain an in-depth knowledge of how an assembly line works, along with how to set up jigs, fixtures, and other helping devices. Students will then analyze their assembly line and will troubleshoot on how to make it more efficient in both time and material. Finally, students will learn how to write a proper technical report to show the project from start to finish. This is a fast-paced class that should be taken if a student is highly motivated and is consistently on-task.

ELECTRONIC TECHNOLOGY COURSES

Electronics 1- One Semester - .5 Credit. (Prerequisite: None)

Class Note: Algebra Recommended

Students will learn through labs and theory; electron flow theory, conventional theory, and Ohm's Law / Kirchhoff's Law for series, parallel, and combination circuits. Experience in basic algebra is strongly encouraged.

Electronics 2 - One Semester - .5 Credit (Prerequisite: A 70 % or better in Electronics 1 OR the permission of the instructor)

Class Note: Algebra Recommended

Coursework: In this course, students will look deeper into small electronics, especially semiconductors and digital electronics. Students will learn how to program microcontrollers and robots, along with how to control inputs and outputs in a circuit. Students should be highly motivated and experience in basic algebra is strongly encouraged.

GRAPHIC DESIGN COURSES

Graphic Design 1 - One Semester - .5 Credit (Prerequisite: none)

Class Note: Students will be required to supply their own t-shirts for this class.

Coursework: In this course, students will learn about basic image modification, general printing layouts, and sublimation of images on textiles. Graphic design is the second largest industry today and it is ever-growing. The skills students will receive will help them to gain experience to lead into the field of graphic design. Students will use programs such as Adobe Photoshop, Adobe Illustrator, Corel Draw, and Microsoft Publisher to achieve success on most projects.

Graphic Design 2 - One Semester - .5 Credit (Prerequisite: A 70 % or higher in Graphics 1 OR the permission of the instructor)

Class Note: Students will be required to supply their own t-shirts for this class.

Coursework: In this course, students will learn more in depth about image modification, printing layouts, and sublimation of images on textiles. Students will use programs such as Adobe Photoshop, Adobe Illustrator, Corel Draw, and Microsoft Publisher to achieve success on most projects. Students will also be involved in self-guided research and projects to help them better understand the printing and design industries.

Graphic Design 3: Independent Studies - One Semester - .5 Credit (Prerequisites: An "80 %" or better in Graphics 2 AND the permission of the instructor. Students are recommended to be at least a Junior (11th grade) for this course.)

Class Note: Students will be required to supply their own materials for this class.

Coursework: Students will participate in a completely self-guided learning of graphic design. Students will be required to come up with a weekly plan of what they will learn and then they will be evaluated based on this plan. Students must be self-motivated to achieve success in this course.

Video Game Design - One Semester - .5 Credit (Prerequisites: A "70 %" or better in Graphics 1 OR the permission of the instructor)

Coursework: In this course, students will learn a brief history of video game design and about the future for this growing industry. Through many labs, game testing, self-reflection, and group evaluation; students will gain an understanding for the complex world of game design. To wrap up the semester, students will create a game of their own from the knowledge they have gathered throughout the semester. Students should be fully aware that this is a video game DESIGN course, not a GAMING course.

METALWORKING AND MACHINING COURSES

Metal Manufacturing 1: Welding – One Semester - .5 Credit (Prerequisites: none)

Coursework: Students will learn some of the basic ways that metal is fastened, cut to size, and how manufacturers use metal to create useful objects. Students will learn the proper techniques for cutting with gas torches and chop saws. Welding is the main emphasis in this course. Students will learn through theory and practice the following weld joints on both a SMAW welder and a GMAW welder: flat weld, lap weld, butt weld, "T" weld, cylindrical to flat surface weld, and cylindrical (pipe) weld.

Metal Manufacturing 2: Machining - One Semester - .5 Credit (Prerequisites: A "75%" or higher in Metals 1 OR the permission of the instructor)

Coursework: Students will begin to learn about the machining aspect of manufacturing in this class. Students will learn how to properly read blueprints and machine stock to specified dimensions to create useful objects. Students will learn how to use a manual 3 axis mill and a manual lathe in this course to machine non-ferrous stock. A few of the projects for this class include an entrapped cube, a tic-tac-toe board, and a screwdriver.

WOODWORKING COURSES

Woodworking 1: Introduction - One Semester - .5 Credit (Prerequisites: None)

Coursework: This course is designed to introduce students to the field of woodworking. In this course, students will learn about the lumber industry and the many uses for wood products. Students will learn how to identify multiple species of wood, calculate the cost of materials used in projects, and how to use measurement in a woodworking shop. This course also goes into depth on how to safely work with woodworking tools and machinery. Students will create 1 – 2 quality projects in this class, where they will learn about different joining methods and the fundamentals behind woodworking.

Woodworking 2: Cabinetmaking - One Semester - .5 Credit (Prerequisite: A 75% or better in Woodworking 1 OR the permission of the instructor)

Coursework: This course is designed to introduce students to the basics in the cabinetmaking field. In this class, students will do hands-on activities that will teach them how to use woodworking tools and machinery along with how to properly measure and lay out their projects. This class is a step up from Woodworking 1 and will challenge student in the woodworking field.

Woodworking 3: Independent Studies - One Semester - .5 Credit (Prerequisites: an "80%" or better in Woods 2 AND the permission of the instructor. The student and parent must also sign an agreement before the student may take this course. Students are recommended to be at least a Junior (11th grade) for this course.)

Class Note: Student is responsible for ALL project costs.

Coursework: In this course, students will individually research projects, write the procedure for the project(s), build the project(s) to their plan, and evaluate the building process. Students must be self-motivated and are expected to complete an appropriate amount of work for the semester.