

**NORTHLAND PINES
HIGH SCHOOL
COURSE DESCRIPTION
BOOK 2025-2026**



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GRADUATION POLICY

SPECIFIC COURSE/CREDIT REQUIREMENTS

The following credits* (See notes below) must be earned in order to qualify for graduation.

English*	4.0
Mathematics	3.0
Science **	3.0
Social Studies ***	3.0
Physical Education	1.5
Health	0.5
Economics/Personal Finance	0.5
Electives	12.5
TOTALS	28.0

Total credits needed for graduation: 27.5 for Class of '26, 28 for Class of '27 and future classes

Must include these courses:

- * English I, II, and IIIA
- ** Applied Science and Biology
- *** U.S. History - 1 credit
Global Studies - 1 credit
Political Science - .5 credit
American Society - .5 credit

Other graduation requirements:

1. **The Wisconsin State Civics Test:** As a state requirement: each student MUST pass the test with a score of at least 65, to be eligible for graduation.
2. **Service to Community:** All students will need to complete 60 hours by the time of graduation.
3. **Pines Senior Capstone:** All 12th grade students will need to complete and pass this presentation.

STUDENTS MUST EARN 28 CREDITS TO GRADUATE

Requirements for transfer students will be determined on the basis of their successful completion of the minimum load requirements of the school previously attended. State and local standards may also limit flexibility.

All students will be required to carry a minimum of (7.5) credits per year. Students must complete at least twenty-eight (28) credits for graduation. Students who are not in attendance at Northland Pines High School for their entire senior year may not be eligible for a diploma from Northland Pines High School.

In accordance with the Wisconsin Department of Public Instruction guidelines, exceptions to the above may be granted by the principal of the school if he/she deems such to be appropriate and for the benefit of the individual students involved. The criteria for such exceptions shall be determined by the principal and may include written and/or oral examinations if such are considered as essential to proper determination of pupil placements.

The Northland Pines School District is committed to providing equal educational and employment opportunities. The District does not discriminate on the basis of sex, race, color, religion, national origin, ancestry, creed, pregnancy, marital or parental status, sexual orientation, gender identity or expression, age, or physical, mental, emotional or learning disability, or any other reason prohibited by state or federal law, in any of its programs or activities, applications for admission, or employment. For additional information on the District's nondiscrimination policies, see School Board Policies 2260 (Nondiscrimination and Access to Equal Educational Opportunity), 1422, 3122, and 4122 (Nondiscrimination and Equal Employment Opportunity).

The District shall provide for the reasonable accommodation of a student’s sincerely held religious beliefs with regard to examinations and other academic requirements. Requests for accommodations shall be made in writing and approved by the building principal.

HONORS COURSES

Northland Pines High School offers Honors Courses and Advanced Placement Courses for high school students who wish to be challenged by rigorous and enriched subject matter. Primarily for the above average student, Honors Courses and Advanced Placement Courses are more demanding. These accelerated programs of study seek to challenge the student at a high intellectual level.

The following courses are designated as Honors Courses on your transcript; *however, they will not have honor or weighted value for GPA.*

Advanced Placement Courses

Advanced Placement Art
Advanced Placement English Language and Composition
Advanced Placement English Literature and Composition
Advanced Placement Chemistry
Advanced Placement Government and Politics
Advanced Placement U.S. History
Advanced Placement Psychology
Advanced Placement Biology
Advanced Placement Calculus AB and BC
Advanced Placement Probability and Statistics
Advanced Placement Computer Science Principles
Advanced Placement Computer Science A

Honors Courses

Pre-Calculus
Studio Art
Spanish IV and V
Human Anatomy and Physiology
Physics
Medical Terminology
Vocational Building Trades
Automotive Tech I and II
Jazz Ensemble/Combo
Accounting I and Advanced Accounting

Advanced Placement is a program of college-level coursework and exams that gives high school students the opportunity to receive credit towards college. Teachers will provide information regarding the AP Exam during the class. The student is responsible for the required testing fee for each of the AP tests that the student takes.

Due to the heavy workload of these classes, it is recommended, students take no more than three (3) AP courses in a school year.

The Northland Pines community guarantees rigor, relevance, and relationships to prepare all learners for life.

START COLLEGE NOW

This program allows high school students to attend any Wisconsin Technical College and enroll in college courses while attending high school. Students would earn dual credit for successfully passing the college course. Any course that is not comparable would be paid for by the school district.

Requirements and eligibility include:

- Student has completed 10th grade
- Student is in good academic standing and have an acceptable disciplinary record
- Student meets the application deadlines of March 1st for the Fall college semester, and/or October 1st for the Spring college semester
- Student must choose courses that meet graduation requirements and are NOT comparable to a high school course
- Student will be enrolled only if there is room in the Technical College course
- Student must meet admission criteria set forth by the Technical College
- Student is only eligible for a total of 18 college credits (including ECCP) to be paid for by the district
- Northland Pines does not offer the class and the class meets a career goal or interest. This should be part of a student's plan in their **Academic and Career Plan (ACP)**.

EARLY COLLEGE CREDIT PROGRAM

This program allows high school students to attend any Wisconsin University (public or private) and earn college credit as well as high school credit after successfully passing the college course. Any course that is not comparable would be paid for by the school district.

Requirements and Eligibility are the same as Start College Now listed above and include:

- Student is only eligible for a total of 18 college credits (including SCN) to be paid for by the district
- Student must meet admission requirements set forth by the college/university
- Northland Pines does not offer the class and the class meets a career goal or interest. This should be part of a student's plan in their **Academic and Career Plan (ACP)**.

For both Start College Now and the Early College Credit Program: Any class taken through a college/university which receives a "W" (withdrawal) on their grade report, will receive an "F" on their high school transcript. Any "I" (incomplete) on their grade report, will receive an "F" on their high school transcript. And any course resulting in an "F" on the grade report will receive an "F" on their high school transcript. As a result of a withdrawal or "F" from a course for which the District has made payment, the student and/or parent/guardian will reimburse the District for all costs related to that course. If a student fails a course, they will no longer be eligible to participate in the program.

HIGH SCHOOL TRANSCRIPTED CREDIT

Students have the opportunity to earn college credit while taking a class in high school. If a student earns a “B” or better in the high school course, credits will be awarded and placed on Nicolet Area Technical College transcript. These courses are taught with college curriculum and college books and are intended to be challenging.

Accounting I
Medical Terminology
Metal Manufacturing II
Automotive Technology I
Applied Technical Math

COOPERATIVE ACADEMIC PARTNERSHIP PROGRAM (CAPP)

The University of Wisconsin Oshkosh’s Cooperative Academic Partnership Program (CAPP) is a concurrent enrollment program allowing high school students to jumpstart their college careers by earning UW Oshkosh credits while finishing their high school education. The following courses at NPHS are part of the CAPP program.

Pre-Calculus
Calculus AB
Probability and Statistics
Individual, School and Society
Spanish V
Introduction to Engineering Design

ONLINE COURSES

Northland Pines High School always looks to provide an individualized education for its students. To make this happen there are times where alternatives to a traditional classroom curriculum may be needed to meet the needs of students. An online class is one alternative to meet a student's needs.

Online classes have advantages for some students; however there are drawbacks that also have to be recognized. Please read carefully before discussing online options with the NPHS Counselors.

Northland Pines will consider offering an online class with the following criteria:

1. Northland Pines does not offer the class and the class meets a career goal or interest. This should be part of a student’s plan in their **Academic and Career Plan (ACP)**.
2. The online class request is due the last week of May prior to the following school year.
3. Online classes count and if dropped will result in the grade of F on student transcript.
4. Students will need to complete courses independently and use the resources provided.
5. Online courses will be paid for by the school district.

COURSE SELECTION PROCESS

STEP I: The course selection process begins with the student and his/her parents. Families are encouraged to familiarize themselves with the school's offerings. Together they are able to tentatively plan the student's program for the following year. Keeping in mind career and post-secondary goals.

STEP II: Teachers who have previously taught the student will make recommendations to the counselors for course placement. Students will then meet with the counselor to formally register for their next year's courses. Parental guidance and teacher recommendations together with the student's ability, form the basis for the student's program for the coming year.

STEP III: The student then returns the finalized proposed program of study to his/her parents for their review, approval, and signature.

In some instances, due to conflicts, the student will not be able to take all the desired courses. Alternate course selections, which have been chosen by the student, will then be assigned if available. If those choices are unavailable, Counselors will select courses to complete the student schedule.

****IF A FULL SCHEDULE IS NOT SELECTED, COURSES WILL BE ASSIGNED BY THE SCHOOL COUNSELOR OR PRINCIPAL.**

SCHEDULE CHANGES

Schedule changes are a necessity, however they need to be done for the right reasons and need to be thought out. No schedule changes will be made within one (1) week prior to the start of a trimester unless one of the following criteria is met:

1. A student received a failing grade for a required class.
2. Without the change graduation may be impacted.
3. A significant change in a student's health or family situation.
4. Requested by the School Counselor and/or teacher.
5. If a change is being requested a Drop/Add form must be completed.

CHILDREN WITH EXCEPTIONAL EDUCATIONAL NEEDS (EEN)

The school board may refuse to permit a student with EEN to attend a technical college if the cost would impose an undue financial burden on the school district.

Required Forms:

A program plan and report form (PI-8700A) used to notify the school board of a student's participation in the program may be obtained from your school counselor. Application forms for admission to a college may be obtained from your school counselor or college.

PASS/FAIL POLICY

- Seniors in good standing are allowed to take, in rare circumstances, a course for a pass/fail grade when approved by the High School Principal. Students interested in taking a course pass/fail must fill out a pass/fail request form prior to the start of the class. All requests will be considered on a case by case basis. * School to work courses are exempt from this policy.
- No student will be allowed to take more than one class pass/fail during a school year. The teacher and principal will determine the criteria for a passing grade. This will be agreed upon by the principal, teacher and student before the class begins.
- Once a student has received a passing grade, their current overall grade point average will not be affected positively or negatively. The credits earned in a pass/fail course will not be calculated into a student's GPA. These credits will be added to the overall total credit count if the student receives a pass.

GRADING SYSTEM

The following is the GPA conversion scale used by Northland Pines High School:

LETTER SYSTEM/NUMERICAL VALUE

A	4.0
A-	3.66
B+	3.33
B	3.0
B-	2.66
C+	2.33
C	2.0
C-	1.66
D+	1.33
D	1.0
D-	.66
F	0
M (Medical)	0
I (Incomplete)	0
P (Pass)	0
F (Fail)	0

Honor Roll = 3.0 - 3.49

High Honors = 3.5 - 3.84

Highest Honors = 3.85 - 4.00



Are You Ready To Fly?

College & Career Readiness Indicators

Graduates of Northland Pines will be College & Career Ready by meeting the minimum number of indicators depending on the avenue of choice.

“College Ready” Indicators: (six or more of the following)

- Achieve at least a 2.8 GPA (In addition to one of the following indicators)
- Earning A's, B's, C's in all classes
- Taking a math class senior year
- Passing an AP class (A, B, C or 3+ on AP test)
- Earning an A, B or C in Algebra II
- Earning an A, B or C in a Dual Credit course (Start College Now, Early College Credit, Cooperative Academic Partnership Program)
- ACT scores of Math (22+), Reading (22+), Writing (6+) Science (23+)
- Completion of the FAFSA

“Career Ready” Indicators: (four or more of the following)

- 97%+ attendance in high school, especially freshmen year
- Completion of required Service to Community Hours
- Workplace learning experience
- Youth Apprenticeship certification
- Participation in two or more organized co-curricular activities
- Passing score on the military entrance test (ASVAB)

“Life Ready” Indicators: (possessing all of these)

- Ability to persevere to achieve goals, overcome obstacles
- Self-management skills
- Responsible decision making and relationship skills
- Completion of financial literacy class, (personal finance or Economics)
- Effectively advocate for oneself
- Demonstrate employability skills
- Demonstrate ability to express viewpoints and accept opinions of others

COLLEGE ENTRANCE REQUIREMENTS

Parents of students, and students themselves, considering college attendance should consult the Student Services office at Northland Pines High School along with specific college requirements in order to ensure proper high school course selection. The University of Wisconsin schools have gone through numerous admission changes. Therefore, it is recommended that you contact the Student Services office for specific school requirements.

Current ACT and University of Wisconsin Admissions officers recommend and some require the following courses for college preparation:

- **English (4 or more credits required):** One (1) credit each in English I, II, III, and the required 12th grade English credit with emphasis on grammar, literature, and composition.
- **Math (3 or more credits required):** One (1) year each in Algebra I, Algebra II, Geometry, and additional in any Trigonometry, Calculus or Math beyond Algebra II.
- **Social Studies (3 or more credits required):** One (1) year credit in U.S. History or World History.
- **Science (3 or more credits required):** One (1) credit each in Physical Science, Ecology and Environmental Impact, Chemistry, Advanced Chemistry, Biology, Advanced Biology or Physics. (Courses should be lab orientated in nature)
- **Foreign Language (recommended - some schools do require for entrance):** Two (2) or more years of the same foreign language.

CAREER AND TECHNICAL PROGRAMS

1. These schools are currently very popular because they train students to have a marketable skill, which is needed in today's labor market.
2. Many of the programs are receiving applications at a rate many times greater than the schools can accept for enrollment.
3. The stronger the student's high school record, the more options the student will have when he/she is seeking post high school training. Of particular value is a good academic record in high school courses related to specific vocational or technical interests.
4. The student must have a high school diploma as a minimum requirement for enrollment in most vocational and technical programs. **Prerequisites may be required in some programs, please check with your school counselor.**
5. Students can minimize, but not eliminate, the risks of being denied admission to technical and vocational programs in his/her preference by searching through career and occupational information starting early in their high school years. This search should be an on-going process. The school has available many resources to help the student with his/her planning. The student should plan with the counselor, attend career information programs, look through technical and vocational school catalogs and brochures, which are available in the guidance center, and schedule visits to likely schools.
6. The student may also want to keep in mind the many other types of training programs available including apprenticeships, on-the-job training, and the armed services. Each area requires different backgrounds, so it is a good idea to explore these possibilities throughout your high school years.

ART

CLASSES OFFERED BY GRADE LEVEL

* see course description for prerequisite

Freshman	Art Explorations 2D	Art Explorations 3D	Crafts/ Small Metals	Painting	Drawing	Photography	Ceramics
	Printmaking	Sculpture	Graphic Design				
Sophomore	Art Explorations 2D	Art Explorations 3D	Crafts/ Small Metals	Painting	Drawing	Photography	Ceramics
	Printmaking	Sculpture	Graphic Design				
Junior	Art Explorations 2D	Art Explorations 3D	Crafts/ Small Metals	Painting	Drawing	Photography	Ceramics
	Printmaking	Sculpture	Graphic Design	Studio Art*			
Senior	Art Explorations 2D	Art Explorations 3D	Crafts/ Small Metals	Painting	Drawing	Photography	Ceramics
	Printmaking	Sculpture	Graphic Design	Studio Art*			

A course fee of \$10.00 will be assigned to all courses with a yearly maximum fee of \$20.00 per student.

ART EXPLORATIONS 2D**COURSE #3100 A**

This is a basic 2-Dimensional Design course open to all students regardless of artistic ability or experience. This class is designed to give students a foundation for subsequent studio classes. The objective of this course is to introduce students to the elements and principles of two-dimensional designs; including visual organization, color theory, value, contrast, shape, space, proportion and their application in various media. Students are introduced to a wide range of media such as graphite, ink, charcoal, pastels, watercolor, acrylic, etc. Students will learn the fundamental principles and processes of 2-dimensional media including drawing, painting, printmaking and mixed media. We will also study the development of 2-Dimensional Western art from its ancient origins through the 20th century.

CREDITS: .50 (One Trimester)
RECOMMENDED PREREQUISITES: NONE

ART EXPLORATIONS 3D**COURSE #3100 B**

This is a basic 3-Dimensional Design course open to all students regardless of artistic ability or experience. This class is designed to give students a foundation for subsequent studio classes. The objective of this course is to introduce students to the elements and principles of three-dimensional designs; including visual organization, form, texture, space, proportion and their application in various media. Students are introduced to a wide range of 3-Dimensional media such as clay, metal, plaster, etc. Students will learn the fundamental principles and processes of sculpture, ceramics and mixed media. We will also study the development of 3-Dimensional Western art from its ancient origins through the 20th century.

CREDITS: .50 (One Trimester)
RECOMMENDED PREREQUISITES: NONE

CRAFTS/SMALL METALS (Jewelry)**COURSE #3101**

In this course students will explore the fundamental principles and processes of various craft disciplines. Emphasis in this course will be placed on small metals and metal smiting. Students will learn the basic processes of small metals (jewelry) including design, fabrication, and finishing. A great variety of concepts and processes will be explored with considerable emphasis placed on "learning by doing." Most materials are provided although students may need to purchase some supplies.

CREDITS: .50 (One Trimester)
RECOMMENDED PREREQUISITES: NONE

PAINTING**COURSE #3102**

This course introduces students to classical and contemporary painting techniques and processes with an emphasis on composition by using the elements and principles of design to produce quality original works. Color theory, atmospheric perspective, compositional structure, figure/ground relationships, visual perception, spatial concepts, and critical thinking skills will be emphasized. Students will be exploring primarily watercolor and acrylics but alternative painting materials and processes will be addressed. Students will also study major styles and movements of painting from throughout history. Students should be aware that they may need to purchase some supplies.

CREDIT: .50 (One Trimester)
RECOMMENDED PREREQUISITES: NONE

DRAWING**COURSE #3103**

In this course students will study the basic concepts and processes of drawing. Emphasis will be placed on both observation and originality. Students will work with a variety of materials; including graphite, ink, chalk pastels, oil pastels, and charcoal. Students will also learn how to use the principles of design to create quality original compositions in various drawing media.

CREDITS: .50 (One Trimester)
RECOMMENDED PREREQUISITES: NONE

PHOTOGRAPHY**COURSE #3104**

In this course students will be introduced to the ART of photography. Students will learn to use the camera as a conceptual tool with a focus on compositional concepts. Students will also learn how to manually manipulate a DSLR camera to achieve specific technical results. In addition, students will learn and apply the industry standard photographic editing software Adobe Photoshop. Although students do not need to own a DSLR camera for the class, it is recommended.

CREDITS: .50 (One Trimester)
RECOMMENDED PREREQUISITES: NONE

CERAMICS**COURSE #3105**

Ceramics is a course where students learn the fundamental processes and principles of ceramics; including design, hand building, wheel throwing, and fabrication. Students will study the design elements/principles and their relationship to ceramics. Students will also learn the ceramic process from preparation to firing and the components of each step. Students will also study various cultures and their use of the 3-Dimensional form as it relates to ceramics. A great variety of concepts and processes will be explored with considerable emphasis placed on "learning by doing."

CREDITS: .50 (One Trimester)
RECOMMENDED PREREQUISITES: NONE

PRINTMAKING**COURSE #3106**

This course is an introduction to various printmaking methods including monotype, relief, serigraphy, calligraphy and intaglio. The objective of this course is to introduce students to the historical origins and development of these printmaking methods, and to teach students to use these media and techniques from an aesthetic, as well as technical, standpoint. Emphasis will be placed both on developing technical skills and exploring the printmaking process to create innovative original artwork.

CREDITS: .50 (One Trimester)
RECOMMENDED PREREQUISITES: NONE

STUDIO ART – HONORS**COURSE #3107**

This course is designed for those students who have demonstrated a strong potential to excel in one or more areas of art. In this course students will use the basic skills and vocabulary they learned in Introduction to Art and/or subsequent studio classes to add depth and breadth to their artwork. Students will learn how to advance their design skills, technical skills, conceptual ability, and their ability to communicate their artistic intent. Students will learn how to create original innovative works of art. This may include, but is not limited to drawings, paintings, sculptures, prints, ceramics, fibers, and small metals. This course may be taken multiple times up to one full credit.

CREDITS: .50 (One Trimester)
RECOMMENDED PREREQUISITES: Junior-Senior status or instructor's approval and Introduction to Art and/or Studio Course of the same medium.

SCULPTURE**COURSE #3108**

In this course students will study the basic concepts and materials of three-dimensional form. Students will study plane, volume, mass and their relationship sculpture. Students will learn the fundamental processes of sculpture; including design, additive sculpture, subtractive sculpture, found object and fabrication. Students will use various materials including clay, plaster, wood, paper, and metal. Students will also study the various cultures and their use of the 3-Dimensional form.

CREDITS: .50 (One Trimester)
RECOMMENDED PREREQUISITES: NONE

GRAPHIC DESIGN**COURSE #3228**

In this course students will study the concepts, principles and processes of graphic design. This will include composition, creative and expressive typography, layout, and digital image manipulation through the completion of both print and multimedia visual communications. Students will learn and apply industry standard graphic design software, such as Adobe Illustrator and Adobe Photoshop. Projects may include, but are not limited to the creation of logos, posters, ads, magazine spreads, information graphics, book covers and animations.

CREDITS: .50 (One Trimester)
RECOMMENDED PREREQUISITES: NONE

COMPUTER TECHNOLOGY

CLASSES OFFERED BY GRADE LEVEL

* see course description for prerequisite

Freshman	Web Design 1	Web Design 2*	Video Production	Exploring Computer Science		
Sophomore	Web Design 1	Web Design 2*	Video Production	AP Computer Science Principles*	Exploring Computer Science	
Junior	Web Design 1	Web Design 2*	Video Production	AP Computer Science Principles*	AP Computer Science A*	Exploring Computer Science
Senior	Web Design 1	Web Design 2*	Video Production	AP Computer Science Principles*	AP Computer Science A*	Exploring Computer Science

EXPLORING COMPUTER SCIENCE

COURSE #3220

Students who wish to explore a variety of computer science courses may opt to work independently on a variety of different focuses. This can include: Python, Java, Game Design, Javascript, Web Design, Cybersecurity, C++. Students will work with an instructor to select one or more areas of exploration and work independently to complete the coursework during the trimester.

CREDITS: .50 (One Trimester)
RECOMMENDED PREREQUISITES: Approval by Instructor

WEB DESIGN 1

COURSE #3223

This course provides students with an introduction to the web design process. Students will learn and understand how web pages and the Internet function as well as learn to create websites using HTML and CSS editors. The course is a combination of online coursework as well as in-class discussion and planning. Motivated learners who are able to keep up with a rigorous pace are encouraged to take this class. An emphasis on coding skills and application is part of the class. No previous coding experience necessary.

CREDITS: .50 (One Trimester)
RECOMMENDED PREREQUISITES: NONE

WEB DESIGN 2**COURSE #3224**

This course will build upon the skills and knowledge base obtained in Web Design I. Students will expand their knowledge of Web Design with Bootstrap and Javascript opportunities. They will also apply their learning with design-oriented experiences building a website of their own. Motivated students will need to work in a blended learning environment and be comfortable communicating with others, collaborating and staying on task.

CREDITS: .50 (One Trimester)

RECOMMENDED PREREQUISITES: Web Design I

VIDEO PRODUCTION**COURSE #3229**

This course provides students with an introduction to multiple facets within mass communication and video production such as film editing, storyboarding, script writing, equipment management, and video creation/promotion. Focus will be placed on participating in all aspects of video production and projects will reflect an understanding of planning and preparing film for an appropriate audience.

CREDITS: .50 (One Trimester)

RECOMMENDED PREREQUISITES: NONE

AP COMPUTER SCIENCE PRINCIPLES**COURSE#3225 A/B**

This is a College-Board approved AP class that focuses on the fundamentals of computer science. Focus is on the many facets of computer science and how it relates to the world. Computer Science Principles is a course designed to prepare students who are new to computer science for the AP CS Principles exam. The course covers many topics including the Internet, App Design, Programming, Cybersecurity and Computing Systems. Students will complete course preparation during the trimester and test prep after the second trimester.

CREDITS: 1.00 (Two Trimesters)

RECOMMENDED PREREQUISITES: 10th Grade Standing and Algebra**AP COMPUTER SCIENCE A****COURSE #3226 A/B**

AP Computer Science A introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language. This course is designed to prepare students for the AP CSA exam from the College Board. Students will complete course preparation during the trimesters and test prep before the test.

CREDITS: 1.00 (Two Trimesters)

RECOMMENDED PREREQUISITES: 11-12th Grade Standing and Completion of AP Comp Science Principles

BUSINESS EDUCATION

CLASSES OFFERED BY GRADE LEVEL

Required Courses:

Personal Finance

* see course description for prerequisite

Freshman		Principles of Marketing	Sports and Entertainment Management	Business Law			
Sophomore	Personal Finance	Principles of Marketing	Sports and Entertainment Management	Business Law	Accounting (H)	Advanced Accounting * (H)	Yearbook
Junior	Personal Finance	Principles of Marketing	Sports and Entertainment Management	Business Law	Accounting (H)	Advanced Accounting * (H)	Yearbook
Senior	Personal Finance	Principles of Marketing	Sports and Entertainment Management	Business Law	Accounting (H)	Advanced Accounting * (H)	Yearbook

PERSONAL FINANCE (This or Economics is Required for Graduation)

COURSE #3240

Personal Finance is a course designed to assist students in understanding financial responsibilities they will encounter in their life. Auto insurance, health insurance (individual and family), credit, banking, budgeting (individual and family), taxes, investments, payroll, and The Free Application for Federal Student Aid (FAFSA) are all items that will be covered in this class.

CREDITS: .50 (One Trimester)

RECOMMENDED PREREQUISITES: 10-12th Grade Standing

PRINCIPLES OF MARKETING

COURSE #3242

This project based course will focus on professionalism, product, place, price and promotion (4 P's) marketing. Students learn about why companies fail, automotive marketing trends, restaurant and mobile food marketing, channels of distribution, social marketing, and business financing. Students will complete a marketing plan for a new product or service they would like to see in their future.

CREDITS: .50 (One Trimester)

RECOMMENDED PREREQUISITES: NONE

SPORTS AND ENTERTAINMENT MANAGEMENT

COURSE #3244

This course provides students with an understanding of the basic business management principles within the context of professional sports, amateur sports, youth sports, and the entertainment industry. Promotional marketing, event organizing, human resources, organizational structures, strategic planning and the media impact are discussed. Professional vs. amateur athletics is also analyzed and discussed. Students will analyze current trends and create their own brand for a sports team or entertainment group. Students will also work in a Virtual Business Sports program to run a sports team in a simulation format.

CREDITS: .50 (One Trimester)
RECOMMENDED PREREQUISITES: NONE

ACCOUNTING - HONORS

COURSE #3255 A/B

This course is not just for the accountant, nor is it just for the person who will work in the business world. Accounting is for all who need to understand financial records so that correct economic and financial decisions can be made.

This course provides an understanding of the basic elements and concepts of double-entry accounting systems. Activities include the accounting equation, the accounting cycle, entering transactions in journals, posting to ledgers, end of period statements and reports, payroll systems, banking activities, taxes, uncollectible accounts, depreciation, inventories and notes and interest. Automated accounting principles are integrated into many of the activities such as payroll, preparation of balance sheet, income statements, journal entries and income tax forms. This course is student centered with the basic objective to help students acquire accounting knowledge and understanding. This course will help prepare students whose future may involve owning and operating their own business. Students will also develop and design their own personal accounting system. ** This is a Transcribed Course with Nicolet College.*

CREDITS: 1.00 (Two Trimesters)
RECOMMENDED PREREQUISITES: 10-12th Grade Standing

ADVANCED ACCOUNTING - HONORS

COURSE #3257 A/B

Students will manage, store, calculate, post, retrieve, analyze and print accounting information as well as prepare financial reports. This course will help students acquire in-depth knowledge of accounting procedures and techniques utilized in solving business problems and making financial decisions. Students will become familiar with the use of business papers, forms and reports involved in keeping financial records and develop skills to analyze and interpret information common to partnerships and corporations. The focus of the accounting aspects of a corporation including the following topics: special journals, uncollectible accounts, depreciation, inventory and notes and interest.

CREDITS: 1.00 (Two Trimesters)
RECOMMENDED PREREQUISITES: Successful completion of Accounting

BUSINESS LAW**COURSE #3258**

This course is designed to acquaint students with the basic legal principles relevant to their roles as citizens, consumers and employees. Content includes American legal systems and procedures, Constitutional law, criminal and civil law, rights and duties, contract law, consumer protection, torts, employment law, and ethics. Students will be asked to evaluate case studies and participate in mock trials in order to demonstrate their knowledge of the subject. An emphasis on past and current issues like company recalls, product safety issues, and cases that affect their daily lives will also be discussed.

CREDITS: .50 (One Trimester)
RECOMMENDED PREREQUISITES: NONE

YEARBOOK**COURSE #3300 A/B**

Yearbook provides students with a unique educational opportunity. Yearbook is a way to have fun, be involved and gain many valuable skills. Besides being involved with the workings of the entire school through the creation of the yearbook, students develop skills and character traits. They participate in a hands-on, real world activity - the production of a publication. Students will learn how to design, write copy for stories and captions, gather information from various sources, edit information and take photos. They will also have opportunities to work with the business end of yearbook by selling books and ads. A multitude of computer skills are learned through the various programs used to create the publication.

CREDITS: 1.00 (Two Trimesters)
RECOMMENDED PREREQUISITES: Grades 10-12

ENGLISH

CLASSES OFFERED BY GRADE LEVEL

Students must take at least one (1) credit per year 9-11.

Required Courses:

- English I
- English II
- English III A

* see course description for prerequisite

Freshman	English I				
Sophomore	English II				
Junior	English III A	Creative Writing	Sports Literature	Journalism	
	English III American Lit	AP English Language/Composition*	AP English Literature/Composition*	African and Native American Lit.	Drama As Literature
Senior	Senior English	English III American Lit	Creative Writing	Sports Literature	Journalism
	Drama As Literature	AP English Language/Composition	AP English Literature/Composition*	College Prep English	African and Native American Lit.

NOTE: *Students with a GPA of 3.2 or higher may take one of the AP courses offered in English in place of English III A. This may be taken either Junior or Senior year. AP course enrollment requires completion of a summer reading list per the AP instructor.*

ENGLISH III AMERICAN LITERATURE

COURSE #3307

This course will primarily focus on the Romanticism Era, where students will have the opportunity to analyze key literary themes such as the Gothic motif, Transcendentalism, and the American classic, *The Great Gatsby*. We will engage students through close reading activities, formal and informal presentations, and writing assignments, including Socratic seminars to encourage deeper discussion and understanding.

CREDITS: .50 (One Trimester)

RECOMMENDED PREREQUISITES: 11-12th Grade Standing, Successful Completion of English I and II

SENIOR ENGLISH

COURSE #3308

This course will emphasize using English skills to function in the world. Students will learn about writing outlines, paragraphs and reports. Students will also learn to write and follow instructions, present ideas in creative ways and increase writing, speaking and listening skills.

The following elements will be covered in this class: writing for the workplace (technical and business writing), Modern American Literature and a variety of modes of communication skills.

CREDITS: .50 (One Trimester)

RECOMMENDED PREREQUISITES: 12th Grade Standing

JOURNALISM

COURSE #3310

Journalism is offered as a communications course in the English department that offers students the opportunity to work within a wide variety of formats. Curriculum is based on communication, writing and technology standards; however, students will be afforded the opportunity to customize the focus of their learning activities. Students will produce material in written, audio, and video formats and deliver this material to audiences as a media outlet. This will equate to contributions to our web page, YouTube channel, school newspaper as well as local media outlets as part of experiential learning.

CREDITS: .50 per trimester (May be taken multiple Trimesters)

A maximum of 1 credit will count as an English Credit.

RECOMMENDED PREREQUISITES: 11-12th Grade Standing, Successful Completion of English I and II

CREATIVE WRITING

COURSE #3311

This course focuses on writing as a form of artistic expression. Students will read, discuss, write and evaluate pieces from multiple writing formats and genres. Students will experience creating drafts, peer evaluating, collaborating on assignments and creating portfolios. Word processing and basic computer skills are necessary for completion of this course. The Six Traits of writing and assessment will be applied.

CREDITS: .50 (One Trimester)

RECOMMENDED PREREQUISITES: 11-12th Grade Standing, Successful Completion of English I and II

DRAMA AS LITERATURE

COURSE #3377

This one trimester course focuses on the analysis of drama (ie: plays and musicals) as literature. In this course, students will study works of drama, analyzing them for their literary value, literary elements, techniques and approaches toward topics, and their modern and historical cultural relevance. Assessments will take the form of essays, projects, and oral presentations, thus simultaneously refining those skills.

CREDITS: .50 (One Trimester)

RECOMMENDED PREREQUISITES: 11-12th Grade Standing, Successful Completion of English I and II

AP ENGLISH LANGUAGE AND COMPOSITION

COURSE #3313 A/B

This college prep course focuses on reading and writing nonfiction. Students will write various expository essays such as definition, compare/contrast, and persuasion. Students will also write a research paper. Through critical readings, discussions, and writing, students will develop college level proficiencies in reading and writing. Students who take this AP course are eligible to take the AP Language and Composition exam.

A fee is required to take the AP Exam.

CREDITS: 1.00 (Two Trimesters) – **ODD YEARS**

RECOMMENDED PREREQUISITES: Successful completion of English I and II and a 3.2 cumulative GPA or teacher approval

NOTE: Students will have additional coursework to complete prior to the start date of AP English, including a summer reading list.

AP ENGLISH LITERATURE AND COMPOSITION

COURSE #3317 A/B

British literature will be the basis for this course; however, students will read essays, short stories, poetry, novels and plays from all cultures. Written interpretations and analyses, relationships to other works of literature, and exploration of personal values will provide a strong foundation for any college literature course. Students who take this AP course are eligible to take the AP Literature and Composition exam.

A fee is required to take the AP Exam.

CREDITS: 1.00 (Two Trimesters) - **EVEN YEARS**

RECOMMENDED PREREQUISITES: Successful completion of English I and II and a 3.2 cumulative GPA or teacher approval

NOTE: Students will have additional coursework to complete prior to the start date of AP English, including a summer reading list.

CONTEMPORARY NON-FICTION: SPORTS LITERATURE**COURSE #3319**

Contemporary Non-Fiction focuses on books and essays from the modern era that fit within selected themes which are prevalent in the sporting arena. Students will read and analyze this material through discussion, essay composition and presentation components. We will explore the thematic components as they started to appear in early American Literature and how they have evolved and are present in contemporary writing. There will also be a film study component that will be used to parallel film to the structure and content of the non-fiction reading selections in the course.

CREDITS: .50 (One Trimester)
RECOMMENDED PREREQUISITES: 11-12th Grade Standing, Successful Completion of English I and II

COLLEGE PREP ENGLISH (CPE)**COURSE #3324 A/B**

This college prep course combines necessary college-level reading and writing skill development to prepare students for the technical colleges, four-year colleges or focused post-secondary program environment. Students will develop critical reading and analysis skills with college level literature and technical writing materials. Corresponding writing and speaking skills will be developed throughout the course. Skills will include formal writing style, argument presentation, technical writing, and note-taking and pre-writing skills that lead to quality composition.

CREDITS: 1.00 (Two Trimesters)
RECOMMENDED PREREQUISITES: 12th Grade Standing

AFRICAN AND NATIVE AMERICAN LITERATURE**COURSE #3325**

This course will focus on the cultural structure and social situations of these prominent cultures. As a college prep style course students will read some of the most emotional and reflective writing contemporary literature offers. Students will utilize the reading material to structure debates, compose a variety of essays and presentations for the purpose of understanding cultural interaction and impact, and to further develop their ability to dissect meaning from literature. Reading material will mostly be in the form of essays and poetry; however, we will also utilize blues and jazz music, and Native American storytelling. Web quests will be used to explore each culture through internet resources such as museum, journalism and government document sites. Students can also expect to participate in an “online” discussion forum throughout the course.

CREDITS: .50 (One Trimester)
RECOMMENDED PREREQUISITES: 11-12th Grade Standing, Successful Completion of English I and II

WORLD LANGUAGES

SPANISH

CLASSES OFFERED BY GRADE LEVEL

* see course description for prerequisite

Freshman	Spanish I	Spanish II*			
Sophomore	Spanish I	Spanish II*	Spanish III*		
Junior	Spanish I	Spanish II*	Spanish III*	Spanish IV* (H)	
Senior	Spanish I	Spanish II*	Spanish III*	Spanish IV* (H)	Spanish V* (H)

SPANISH I

COURSE #3360 A/B

Spanish I focuses on successful communication through speaking, writing, reading, and listening. Students will learn vocabulary and grammar through various games as well as experience Hispanic culture through activities and authentic foods. Culture and daily life of Spanish speaking countries are also studied. Students will learn a variety of vocabulary in order to communicate about themselves and others in Spanish.

CREDITS: 1.00 (Two Trimesters)

PREREQUISITES: NONE

SPANISH II**COURSE #3362 A/B**

Spanish II builds on what students learned in Spanish I with continued development of their skills in the Spanish language. Students will learn vocabulary and grammar through various games as well as experience Hispanic culture through activities and authentic foods. Cultural norms and daily life of Spanish speaking countries are also studied. Learning activities in each unit are focused upon a specific theme. In order to demonstrate their proficiency, students will communicate about themselves and others in the Spanish language using tenses in the past, present, and simple future.

CREDITS: 1.00 (Two Trimesters)
PREREQUISITES: Successful completion of Spanish I with a grade of C- or higher and/or teacher approval

SPANISH III**COURSE #3364 A/B**

This course continues the student's skills with greater emphasis on accurate speaking, reading, writing, and comprehending the Spanish language. Students will learn vocabulary and grammar through various games as well as experience Hispanic culture through activities and authentic foods. Cultural norms and daily life of Spanish speaking countries are also studied. Students will be able to communicate across different time frames about themselves and others while utilizing more advanced grammar and vocabulary. Learning activities in each unit are focused upon a specific theme to enhance spoken and written communication in the target language.

CREDITS: 1.00 (Two Trimesters)
PREREQUISITES: Successful completion of Spanish II with a grade of C- or higher and/or instructor's approval

SPANISH IV - HONORS**COURSE #3367 A/B**

This course is a continuation of the Spanish program concluding the study of grammar within the indicative mood and expanding student knowledge of the subjunctive mood. Students continue to refine their skills in speaking, reading, writing extemporaneously, and comprehending the Spanish language through reading short stories, legends, and novelettes, as well as class discussions all in the target language. Students will learn vocabulary and grammar through various games as well as experience Hispanic culture through activities and authentic foods. Students in Spanish IV Honors are expected to speak in the target language throughout the class period. Learning activities in each unit are focused upon a specific theme to enhance spoken and written communication in the target language. Students will also study cultural norms in Hispanic culture and language. An additional focus in the second trimester is preparation for the university placement tests administered during the spring and summer

CREDITS: 1.00 (Two Trimesters)
PREREQUISITES: Successful completion of Spanish III with a grade of C- and/or instructor's approval

Students will be given the opportunity to receive college credit for this course through the Cooperative Academic Partnership Program (CAPP) at UW Oshkosh. Once rostered in this course, students will receive information from the instructor on the cost and instructions to receive college credit. (Prerequisites for CAPP credit are GPA of 2.75 or higher, in the top 30% of class or higher).

Spanish V Honors is an advanced course with the principal goal of accomplishing greater fluency in the Spanish language and a focus on higher grammatical concepts. Great emphasis is placed on speaking in the target language. Using unrehearsed speech students will expand their abilities in communication in the Spanish language. Students will learn vocabulary and grammar through various contexts as well as experience Hispanic culture through activities and authentic foods. Students will be exposed to great literature and authentic texts by Hispanic authors to further advance reading proficiency and comprehension. Students will develop advanced writing skills through the production of multiple compositions. Listening skills are improved through recordings of native speakers, music, and video clips. All activities will focus on preparation for university placement tests taking place in the spring of the student's senior year.

CREDITS: 1.00 (Two Trimesters)

PREREQUISITES: 12th Grade Standing and successful completion of Spanish IV Honors with a grade of C or higher and/or instructor's approval

FAMILY AND CONSUMER SCIENCES

CLASSES OFFERED BY GRADE LEVEL

* see course description for prerequisite

Freshman	Intro to Culinary Arts	Housing and Interiors					
Sophomore	Intro to Culinary Arts	Housing and Interiors	Child Development	Baking and Pastry	Sports Nutrition	Advanced Culinary Arts*	
Junior	Intro to Culinary Arts	Housing and Interiors	Child Development	Baking and Pastry	Sports Nutrition	Advanced Culinary Arts*	Food Service*
Senior	Intro to Culinary Arts	Housing and Interiors	Child Development	Baking and Pastry	Sports Nutrition	Advanced Culinary Arts*	Food Service*

INTRODUCTION TO CULINARY ARTS

COURSE FEE = \$40.00

COURSE #3401

Ready to learn some culinary arts skills? This course is designed to provide students with a review of proper measuring, naming and using kitchen tools, how to read and follow a recipe, along with nutritional information using the MyPlate dietary guidelines to prepare a variety of different foods. Students will learn how to calculate, adjust, and prepare recipes using different kitchen equipment. Students will also be introduced to a variety of, and practice, basic cutting techniques. They will learn the importance of creating a balanced meal, and learn how to serve with an appealing plate presentation.

CREDITS: .50 (One Trimester)

REQUIRED PREREQUISITES: NONE

ADVANCED CULINARY ARTS**COURSE FEE = \$50.00****COURSE #3403**

If you want to further explore the culinary skills learned in Introduction to Culinary Skills, then this is the class for you. A more in depth look at food safety: cooking/holding temperature, food contaminants, safe food handling. Food terminology and new food preparation techniques and skills will be developed while preparing a variety of cuisines. Areas of emphasis in the class are: quick and yeast breads, pasta, dairy, meats, soups and salads/vegetables. Students will experience and work with new foods as well as learn creative plating and garnishing techniques, as well as a brief look at different cultural foods. Looking at the flow of food in the workplace will be examined in relation to the foodservice industry. A look at different cultural foods will be touched on, as well as a brief look at food service careers. Students will also get the opportunity to show off their newly acquired skills in an Iron Chef Competition.

CREDITS: .50 (One Trimester)

REQUIRED PREREQUISITES: Introduction to Culinary Arts and 10-12th Grade Standing or teacher's approval**BAKING AND PASTRY****COURSE FEE = \$50.00****COURSE #3404**

In Baking & Pastry, students will gain hands-on baking skills used by professionals in the foodservice industry. Emphasis is placed on fundamental pastry and baking techniques, in addition to all-purpose baking, desserts, cake decoration, and pastry arts. Students will learn about and create a variety of international and classical pastries.

CREDITS: .50 (One Trimester)

REQUIRED PREREQUISITES: 10-12th Grade Standing**FOOD SERVICE****COURSE FEE = \$50.00****COURSE #3405**

Get ServSafe certified, this is an industry recognized certification on Safety and Sanitation. This is a class for students interested in working in, and learning more about the food service industry. Students will learn about small and large kitchen equipment, safety and sanitation regulations, and skills needed to work in the food service industry. This class explores the possibilities of employment in the food service industry, and possible career opportunities available with a focus on catering. The foodservice industry, employability skills, customer service/ client base, and the dining experience. Looking at standardized recipes, cost analysis, and culinary application: cooking techniques, keeping food safe, seasoning and flavoring. Some of the labs will include: breakfast buffet, Soup and salad bar, cooking protein foods, quick breads and desserts-these will be set up to: create orders, serve staff or for other events. **Students will be expected to plan/prepare/set up/serve and clean-up for some different events during the semester. Some out of class time will be required after school or over a weekend.** Certain events will count for a volunteer grade in the class as well as some of their required volunteer hours needed for graduation.

CREDITS: .50 (One Trimester)

REQUIRED PREREQUISITES: Introduction to Culinary Arts, 10-12th Grade Standing. Must have teacher's approval if prerequisites are not met.

SPORTS NUTRITION**COURSE FEE = \$20.00****COURSE #3407**

This course is designed for students interested in health, fitness, and sports performance. This course examines the relationship between nutrition, physical performance, and overall wellness. Students will learn how to choose and prepare nutritious foods for healthy lifestyles and peak performance of athletes. Health disease prevention through nutrition, physical activity, and metabolic process and management of food choices for optimal health and physical performance. Students are challenged to develop personal fitness and nutrition plans.

CREDITS: .50 (One Trimester)
REQUIRED PREREQUISITES: 10-12th Grade Standing

CHILD DEVELOPMENT**COURSE #3420**

This course is intended to increase individual awareness of the responsibilities of parents, relationships within the family and the nurturing process. This course includes prenatal development and care, labor and birth, a child's social, emotional, intellectual and physical aspects of growth and development, behavioral patterns, discipline and working directly with or observing in a play school situation. Students will be required to take home a baby simulator for a weekend as part of their grade.

CREDITS: .50 (One Trimester)
REQUIRED PREREQUISITES: 10-12th Grade Standing

HOUSING AND INTERIORS**COURSE #3425**

Housing and interiors will offer the student an opportunity to study types of housing in the past, present, and future. Principles of design and color will be applied to interior decorating projects in which students will be involved. An emphasis is placed on the selection of furniture, wall and floor coverings, and other home furnishings. It is the goal of this course for each student to apply the knowledge learned to create pleasing environments in both present and future homes and to become aware of career opportunities in interior design.

CREDITS: .50 (One Trimester)
REQUIRED PREREQUISITES: NONE

TECHNOLOGY AND ENGINEERING

CLASSES OFFERED BY GRADE LEVEL

* see course description for prerequisite

Freshman	Woods I	Intro to Building Trades		
Sophomore	Woods I	Woods II*	Intro to Building Trades	
Junior	Woods I	Woods II*	Intro to Building Trades	Building Trades*
Senior	Woods I	Woods II*	Intro to Building Trades	Building Trades*

WOOD TECHNOLOGY I

COURSE #3452

This course will provide an introduction to woodworking. It is intended to provide the basic skills and concepts needed for advanced woods courses. The areas within the course are divided into drawing and planning, basic hand tool processes, powered woodworking equipment, tool safety, and career opportunities. Related information for drawing and woodworking will be covered as the student encounters various lab experiences. Students will be given a project folder from which they will construct their first project. They will then design and construct projects within their level of skill and understanding. Students will need to provide their own safety glasses.

CREDITS: .50 (One Trimester)
 REQUIRED PREREQUISITES: NONE

WOOD TECHNOLOGY II

COURSE #3454 A/B

This course involves the planning and construction of student or instructor designed furniture projects. The student will learn to operate and care for the common woodworking machines. Related information on design, materials, tools, processes and finishing will provide a background of understanding within the woodworking industry. Concentration will be placed on an advanced quality woodworking project. Computer assisted design and planning will be employed. A job sheet will be used for evaluation purposes. The student will pay for the required safety glasses and materials.

CREDITS: 1.00 (Two Trimesters)
 REQUIRED PREREQUISITES: Wood Technology I

INTRODUCTION TO VOCATIONAL BUILDING TRADES

COURSE #3457 A/B

This course is focused on hands-on activities that introduce students to the foundational skills needed in the construction and related trades. Through actual planning and building, this class will design and construct a small structure. Residential electrical and plumbing will also be covered and practiced. **This is a prerequisite to Vocational Building Trades.**

CREDITS: 1.00 (Two Trimesters)
REQUIRED PREREQUISITES: NONE

VOCATIONAL BUILDING TRADES

COURSE #3458 A/B/C

This course is designed for the student who is interested in a technical occupation. The student will have a saleable skill in building trades upon graduation. A student graduating from this program may choose to pursue a career in the field, complete a technical degree in Building Trades, or continue on to a college degree in a construction related field.

Vocational Building Trades meets for a total of five (5) class periods throughout the school year.

Planned activities will include the following:

- Complete construction of a house. This would include framing, drywall, cabinetry, trim and wiring.
- Related technical and occupational information necessary for successful job placement within building construction.
- Information and skills for purchase and management of a home. Safety glasses, work clothes, work boots and personal tools (hammer, tape measure, utility knife, and tool belt) will be supplied and paid for by the student.

CREDITS: 2.50 (Three trimesters, 5 class periods)
REQUIRED PREREQUISITES: Intro to Vocational Building Trades or Instructor's approval (11-12th Grade Standing)
OTHER RECOMMENDED COURSES: Wood Technology II, Intro CAD, IED, Geometry

ENGINEERING AND DESIGN

CLASSES OFFERED BY GRADE LEVEL

* see course description for prerequisite

Freshman	IED - Intro to Engineering Design	Intro to Drafting and CAD I			
Sophomore	IED - Intro to Engineering Design	POE - Principles of Engineering*	Intro to Drafting and CAD I	Intro to Drafting and CAD II*	CEA - Civil Engineering and Architecture
Junior	IED - Intro to Engineering Design	POE - Principles of Engineering*	Intro to Drafting and CAD I	Intro to Drafting and CAD II*	CEA - Civil Engineering and Architecture
Senior	IED - Intro to Engineering Design	POE - Principles of Engineering*	Intro to Drafting and CAD I	Intro to Drafting and CAD II*	CEA - Civil Engineering and Architecture

INTRODUCTION TO DRAFTING AND CAD (Computer Aided Drafting) I

COURSE # 3460-1

This course introduces students to the world of drafting. It is meant for all students and will not only teach you technical drawing, but to read drawings and as well. Intro to Drafting and CAD covers many topics, including free hand sketching; orthographic projection, technical sketching, and using computer aided drafting systems, such as AutoCAD. This course also introduces Architectural Drafting and Solid Modeling. This course is very beneficial to students who plan on taking Woods, Metals, and Engineering classes. Intro to Drafting and CAD will also prepare students for a variety of other careers, such as interior design, architecture, building and construction, or any other vocational career.

CREDITS: .50 (One Trimester)

REQUIRED PREREQUISITES: NONE

INTRODUCTION TO DRAFTING AND CAD II

COURSE #3460-2

Introduction to Drafting and CAD II is a continuation of IDC, listed above. This class focuses on more in-depth learning of the uses and tools of CAD systems. Students will learn how to create 3-dimensional objects/drawings in AutoCAD, Autodesk Revit, Inventor, and other online software, along with how they would be used in industry. This class will also utilize digital manufacturing equipment to demonstrate how CAD can be used in a Computer Aided Manufacturing System. Students who take Introduction to Drafting and CAD II will design their own projects in CAD and produce their design as an actual object.

CREDITS: .50 (One Trimester)

REQUIRED PREREQUISITES: Intro to CAD I

IED - INTRODUCTION TO ENGINEERING DESIGN

COURSE #3461 A/B

Introduction to Engineering Design (IED) is a course for students who are interested in design and problem solving. The major focus of the IED course is to expose students to design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and 3D solid modeling using Autodesk Inventor. IED gives students the opportunity to develop skills and understanding of course concepts through activity-, project-, and problem-based learning. Students will also hone their interpersonal skills, creative abilities and understanding of the design process. It also allows students to develop strategies to enable and direct their own learning, which is the ultimate goal of education. *Students will be given the opportunity to receive college credit for this course through the Cooperative Academic Partnership Program (CAPP) at UW Oshkosh. Once rostered in this course, students will receive information from the instructor on the cost and instructions to receive college credit.*

CREDITS: 1.00 (Two Trimesters)
REQUIRED PREREQUISITES: NONE

POE - PRINCIPLES OF ENGINEERING

COURSE #3462 A/B

IED is the design and POE is the application. In POE, students will explore materials and machines through the use of computer-programmable VEX Robotics kits. Students will also learn about the engineering field and explore engineering concepts. POE allows students to develop skills and understanding of course concepts through activity-, project-, and problem-based learning. Students interested in applying what they have learned in other classes in a fun, hands-on, practical/real-life scenarios will benefit from this class.

CREDITS: 1.00 (Two Trimesters)
REQUIRED PREREQUISITES: Introduction to Engineering Design (IED), 10-12th grade.

CEA - CIVIL ENGINEERING AND ARCHITECTURE

COURSE #3464 A/B

This course will cover the areas of light structural design and construction. Students will study different forms of architecture as well as different architects. Construction methods will also be evaluated and studied. Students will use CAD and 3D design systems, such as Autodesk Revit. This class will help students who are interested in the construction field, engineering, interior design, or architecture.

CREDITS: 1.00 (Two Trimesters) 2024-2025, 2026-27
REQUIRED PREREQUISITES: Introduction to Engineering Design or instructor approval.

POWER AND TRANSPORTATION TECHNOLOGY

CLASSES OFFERED BY GRADE LEVEL

* see course description for prerequisite

Freshman	Small Gasoline Engines			
Sophomore	Small Gasoline Engines	Automotive Technology I/ASO*	Automotive Technology II*	Consumer Auto*
Junior	Small Gasoline Engines	Automotive Technology I/ASO*	Automotive Technology II*	Consumer Auto*
Senior	Small Gasoline Engines	Automotive Technology I/ASO*	Automotive Technology II*	Consumer Auto*

CONSUMER AUTO

COURSE #3471

This course is for everyone that plans to own and drive an automobile!! Students will be introduced to the general aspects of buying, owning and operating an automobile. This course is not intended to be an automotive technician's course. Lab activities will consist of exercises you, as an automobile owner, will experience in owning and operating a vehicle. The instructor will request the students to do hands-on activities similar to the basic car care, general maintenance and emergency repair you will experience when you own an automobile. Topics to be included are financing and car purchasing, new versus used, purchase versus lease, systems of the automobile, emergency preparation, steps to be taken in the event of an accident and general maintenance will be explored. This course has been specifically designed to appeal to both genders. So if you plan on owning a vehicle this course is for you.

CREDITS: .50 (One Trimester)
 REQUIRED PREREQUISITE: 10-12th Grade Standing

SMALL GASOLINE ENGINES

COURSE #3472

This course is designed to provide the student with a thorough understanding of the small gasoline engine. Units include a study of common tools used in the field, the construction of the engine, fuel systems, ignition systems, troubleshooting, tune-up, reconditioning and reassembling of the engine. The student will be required to provide a single cylinder four-stroke cycle engine for the class. However, a single cylinder engine will be provided by the school for use by the students when required. Safety glasses are required and some fees do apply to this course. **This is a prerequisite for Automotive Tech I.**

CREDITS: .50 (One Trimester)
 REQUIRED PREREQUISITES: NONE

AUTOMOTIVE TECH I/AUTOMOTIVE SERVICE ORIENTATION (ASO)

COURSE #3474 A/B

Automotive Technology I is the study of automobiles. This will be a hands-on experience class involving activities that relate directly to maintenance, repair and service. The program of study may include: safety in the shop, care and use of tools, interpretation of repair software and manuals, engine construction, ignition systems, fuel systems, charging systems, starting systems, brakes, lubrication, and minor tune-up. *This course is an Advanced Standing course with Nicolet College. A student may earn 3 college credits if the course is completed with a grade of 80% or higher. * ***This is a Transcribed Course with Nicolet College.***

CREDITS: 1.00 (Two Trimesters)
REQUIRED PREREQUISITES: 10-12th Grade Standing and Small Gasoline Engines

AUTOMOTIVE TECHNOLOGY II

COURSE #3475 A/B

This course is a continuation of the Automotive Technology I course with more advanced training and more skill required in the use of tools and equipment. This course is designed to give students the opportunity to learn practical applications along with the related material in the areas of: engines, transmissions, drivetrain, computer controls, and chassis electrical. Lab work will be performed on student vehicles as well as live jobs from owners within the community and will be conducted as an automotive repair facility.

CREDITS: 1.00 (Two Trimesters) EVEN YEARS
REQUIRED PREREQUISITES: 11-12th Grade Standing, Automotive Technology I or instructor's recommendation

MANUFACTURING TECHNOLOGY

CLASSES OFFERED BY GRADE LEVEL

* see course description for prerequisite

Freshman	Digital Manufacturing			
Sophomore	Digital Manufacturing	Eagle Manufacturing*	Metal Manufacturing Technology I	Metal Manufacturing Technology II*
Junior	Digital Manufacturing	Eagle Manufacturing*	Metal Manufacturing Technology I	Metal Manufacturing Technology II*
Senior	Digital Manufacturing	Eagle Manufacturing*	Metal Manufacturing Technology I	Metal Manufacturing Technology II*

DIGITAL MANUFACTURING

COURSE #3476

The focus of this class will be placed on digital fabrication technologies that are used in the wood manufacturing world. These technologies include: CNC routers, laser engraving, sublimation, and vinyl cutting among others. This course will work closely with Eagle Manufacturing where students will be responsible for designing and creating team sports awards, promotional items such as vinyl graphics, and school store items as well as student driven individual projects. This course is 80% lab based. See Mr. Lehman with any questions. The student will pay for the required safety glasses and materials.

CREDITS: .50 (One Trimester)

REQUIRED PREREQUISITES: NONE

EAGLE MANUFACTURING

COURSE #3477

Eagle Manufacturing is a class focused on designing, marketing, accounting, and manufacturing customer driven products utilizing processes across the digital manufacturing spectrum. Students will use their individual skills to contribute towards the successful operation of a student run manufacturing business working with real customers from within the community and around the state. Based on the business's performance, student profit sharing is also a possibility in this class.

Jobs within the business include: marketing, accounting, managing, woodworking, metalworking, digital design, and digital manufacturing. Whether you love working in the woodshop all day, creating designs on the computer, or managing people and finances, Eagle Manufacturing has a job for you.

CREDITS: .50 (One Trimester) may be taken multiple trimesters

REQUIRED PREREQUISITES: 10-12th Grade Standing and instructor's approval

METAL MANUFACTURING TECHNOLOGY I

COURSE #3478 A/B

This course will give students basic instruction in many different areas of metalworking. Over 50% of class time will be devoted to hands-on construction of projects designed by both the instructor and student. Areas of instruction will include lab and machine safety, hand tools, power tools, measuring tools, materials, sheet metal operations, welding, fabricating, and machine tool operation. Evaluation will be based on written homework and exams, completion and quality of required lab projects. The student will pay a \$10 lab fee and must have safety glasses.

CREDITS: 1.00 (Two Trimesters)
REQUIRED PREREQUISITES: NONE

METAL MANUFACTURING TECHNOLOGY II

COURSE #3480 A/B

This course is designed to allow and help students utilize the tasks and competencies learned in Metal Manufacturing Tech I to expand upon their knowledge of metalworking. Advanced projects will be constructed in the machine tool, sheet metal, welding and fabricating areas. This course will also cover milling machines, CNC machines, and advanced methods of welding. Students will participate in a large-scale class project. The student will pay a \$10 lab fee and must have safety glasses.

*** This is a Transcribed Course with Nicolet College.**

CREDITS: 1.00 (Two Trimesters)
REQUIRED PREREQUISITES: Satisfactory completion of Metal Manufacturing Technology I or instructor's recommendation

MATHEMATICS

CLASSES OFFERED BY GRADE LEVEL

* see course description for prerequisite

Freshman	Algebra	Geometry			
Sophomore	Algebra	Geometry	Algebra II		
Junior	Algebra	Geometry	Algebra II	Advanced Math Applications*	AP Probability and Statistics*
	Pre-Calculus	AP Calculus AB*	Applied Technical Mathematics		
Senior	Algebra	Geometry	Algebra II	Advanced Math Applications*	AP Probability and Statistics*
	Pre-Calculus	AP Calculus AB*	AP Calculus BC*	Applied Technical Mathematics	

ALGEBRA

COURSE #3562 A/B

In this course, students will be exposed to the powerful set of tools called algebra. Students will investigate situations, discover relationships and patterns, generalize these relationships and patterns using the language of algebra, and figure out what strategies can be used to solve problems. This course not only focuses on the algebraic concepts of variables, graphs, linear relationships, solving equations (linear and quadratic), systems of equations, proportions, inequalities, simplifying expressions, factoring, multiplying polynomials, and introduces functions, but is also stresses the importance of problem solving throughout the course. Students who want to double up may take Algebra in conjunction with Geometry. The student will need to sign the Accelerated/Double Up for Acceleration Math Contract.

CREDITS: 1.00 (Two Trimesters)
 REQUIRED PREREQUISITES: 9 – 12th Grade Standing

GEOMETRY

COURSE #3565 A/B

This course centers on the study of shapes. Students will investigate new situations, discover relationships between shapes and their characteristics, and figure out what strategies can be used to solve problems. Students will use inductive and deductive reasoning as they explore and discover the different relationships that appear in the shapes they study. Students will explore transformations, angles and their measures, similarity, proofs, right triangles, trigonometric ratios, probability, congruent triangles, quadrilaterals, polygons, circles, solids, and constructions. Students who want to double up may take Algebra in conjunction with Geometry. The student will need to sign the Accelerated/Double Up for Acceleration Math Contract.

CREDITS: 1.00 (Two Trimesters)
REQUIRED PREREQUISITES: Passing grades in Algebra

ALGEBRA II

COURSE #3576 A/B

This course aims to apply and extend what students have learned in Algebra I and Geometry by focusing students on looking at multiple representations of functions and relations and on finding connections among the ideas they are studying. Students in Algebra II will continue to use problem solving strategies, questioning, investigating and explaining in conjunction with their knowledge of the connections among Algebra, Geometry and functions to analyze problems and formulate solutions. Throughout the course, they will also use these strategies to extend their Algebraic knowledge to a college level and prepare students for Pre-Calculus, Trigonometry and Probability and Statistics. **This course serves as a prerequisite for Pre-Calculus, Advanced Mathematical Applications, and AP Probability and Statistics.**

CREDITS: 1.00 (Two Trimesters)
REQUIRED PREREQUISITES: Passing grade in both Algebra and Geometry

ADVANCED MATHEMATICAL APPLICATIONS

COURSE #3577 A/B

Are you a student looking for that 4th year of Math or an additional Math class that integrates and applies math topics that you learned in your previous Math classes? If so, this course may be for you. Course topics will be explored, applied, and incorporated in various projects throughout the year in an effort to create a more hands-on experience with mathematics. Advanced Mathematical Applications will look at and extend topics covered in your previous math classes (Algebra, Geometry, and Algebra II). This course hopes to solidify and extend the student's understanding of these topics through their application and connections with other fields of study. The class will help prepare you for college math placement tests, ASVAB and the ACCUPLACER as well as college Math classes.

CREDITS: 1.00 (Two Trimesters)
REQUIRED PREREQUISITES: 11-12th Grade Standing with a passing grade in Algebra II. This course is not a prerequisite for Calculus.

AP PROBABILITY/STATISTICS

COURSE #3578 A/B

This course is designed to provide a background in probability and statistics for college bound students. Course content includes fundamental probability theory, basic data analysis, data variability, hypothesis testing, study design, and other statistical methods. Calculators and computers will be used extensively. *Students will be given the opportunity to receive college credit for this course through the Cooperative Academic Partnership Program (CAPP) at UW Oshkosh. Once rostered in this course, students will receive information from the instructor on the cost and instructions to receive college credit.* A graphics calculator is required. A Texas Instrument **graphing calculator is required--any TI-84 is recommended. A fee is required to take the AP Exam.**

CREDITS: 1.00 (Two Trimesters)
REQUIRED PREREQUISITES: 11-12th Grade Standing, Grade of "C" or better in Geometry, and Algebra II

PRE-CALCULUS - HONORS

COURSE #3570 A/B

Pre-Calculus is a course for college bound students who plan to continue their education in any area in which mathematics is encountered. This is a rigorous course with an expected workload similar to a college course. Pre-Calculus is fundamental to engineering, business, the physical and social sciences. This course deals mainly with continuous and infinite processes. Its subject matter includes the study of functions of many kinds, conic sections, logarithms, coordinate systems, logic, series and sequences, limits, and an introduction to the basic ideas of calculus. *Students will be given the opportunity to receive college credit for this course through the Cooperative Academic Partnership Program (CAPP) at UW Oshkosh. Once rostered in this course, students will receive information from the instructor on the cost and instructions to receive college credit.* A graphic calculator is required. **TI – 83 Plus, TI-84 or TI-Nspire is required.**

CREDITS: 1.00 (Two Trimesters)
REQUIRED PREREQUISITES: Grade of "C" or better in Algebra II

AP CALCULUS AB

COURSE #3573 A/B

Calculus is a major tool for describing the real world in mathematical terms through the use of functions. Calculus helps us describe temperature variations, planetary motion, business cycles, brain waves, population growth or decay and heartbeat patterns to name a few of its uses. This course will include the study of limits, continuity, derivatives and integration. *Students will be given the opportunity to receive college credit for this course through the Cooperative Academic Partnership Program (CAPP) at UW Oshkosh. Once rostered in this course, students will receive information from the instructor on the cost and instructions to receive college credit.* **TI-83 Plus, TI-84 or TI-Nspire is required. A fee is required to take the AP Exam.**

CREDIT: 1.00 (Two Trimesters)
REQUIRED PREREQUISITES: Grade of C or better in Pre-Calculus

AP CALCULUS BC

COURSE #3574 A/B

The course develops calculus in an intuitive, conceptual manner and prepares students for the AP calculus BC exam. Laboratory experiments and hands-on activities are integrated throughout the curriculum as key concepts of learning and conceptual understanding. Students are expected to work collaboratively in study teams; explain; justify and present ideas; and demonstrate persistence when asked to develop difficult concepts for themselves. This calculus course will incorporate technology on a daily basis as a tool for learning. All chapters have labs and other major investigations which will rely on the student's proficiency with the graphing calculator. Key problems also rely on the regression feature of the calculator. Since the AP exam requires students to be proficient in using a graphing calculator, this course assumes that students have access to one in class and at home. ***A fee is required to take the AP Exam.***

CREDIT: 1.00 (Two Trimesters)
REQUIRED PREREQUISITES: Grade of C or better in AP-Calculus AB

APPLIED TECHNICAL MATHEMATICS

COURSE #3561 A/B

Develops skills in using mathematics principles essential to the technical service and production workplace through applied learning context. Content includes whole numbers, fractions, percents, graphs, fundamentals of Algebra, Geometry and Trigonometry and tools and techniques for precision measurement.

**** This is a Transcribed Course with Nicolet College.***

CREDITS: 1.00 (Two Trimesters)
REQUIRED PREREQUISITES: 11- 12th Grade Standing with a passing grade in Algebra or higher-level math course.

MUSIC

CLASSES OFFERED BY GRADE LEVEL

* see course description for prerequisite

BAND

GENERAL MUSIC

VOCAL

Freshman	Concert Band*	Honors Jazz Ensemble/Combo*	Musical Theater	Chorale	
Sophomore	Concert Band*	Honors Jazz Ensemble/Combo*	Musical Theater	Chorale	
Junior	Concert Band*	Honors Jazz Ensemble/Combo*	Musical Theater	Chorale	A Cappella Choir*
Senior	Concert Band*	Honors Jazz Ensemble/Combo*	Musical Theater	Chorale	A Cappella Choir*

MUSICAL THEATER

COURSE #3614

This is a project-based, non-performance course that will study an overview of the history of theater and musical theater, emergence of Broadway, basic acting techniques, improvisation work, script study, theater production, set design, character analysis, and movement. Viewing and analysis of two performances is required. Anyone who is interested in the theater, either acting or behind-the-scenes, is welcome; students do not need to have any theater experience to enroll.

CREDITS: .50 (One Trimester)
 REQUIRED PREREQUISITES: NONE

VOCAL

CHORALE

COURSE #3615 A/B/C

This performance-based choir is open to any and all NPHS students. We focus on three-and four-part songs from many different backgrounds. We develop basic music-reading skills through repertoire, sight singing, and music theory. This group performs at the Veteran's Day Assembly, Winter Concert, GNC Solo/Ensemble Festival, Spring Concert, and Cabaret Concert.

Optional performances include community performances and National Anthem at athletic events. A fee is associated with this course for Solo/Ensemble.

CREDITS: 1.50 (Three Trimesters)
REQUIRED PREREQUISITES: NONE

A CAPPELLA CHOIR

COURSE FEE = \$10.00

COURSE #3620 A/B/C

This performance-based choir is open to junior and senior students who have demonstrated the musicianship to perform more advanced three and four-part choral music. This choir studies more challenging repertoire, music theory, and sight singing. This group performs at the Veteran's Day Assembly, Winter Concert, GNC Solo/Ensemble Festival, Spring Concert, Cabaret Concert, and Graduation.

Optional performances include community performances and National Anthem at athletic events. A fee is associated with this course for Solo/Ensemble.

CREDITS: 1.50 (Three Trimesters)
REQUIRED PREREQUISITES: 11 - 12th grade or instructor's approval

INSTRUMENTAL

CONCERT BAND

COURSE FEE = \$10.00

COURSE #3627 A/B/C

Concert Band is a performance based class. It is designed to help instrumental students achieve high standards of proficiency on a musical instrument. The class is designed to reinforce fingerings, dynamics and articulations.

A small required amount of marching band & pep band is integrated into the course. All members are required to participate in the marching band. All members are required to participate in Pep Band.

A \$10 fee for Solo and Ensemble is required for this course with additional costs possible. Year round enrollment required.

CREDIT: 1.50 (Three Trimesters)

REQUIRED PREREQUISITES: Previous (middle and/or high) instruction or instructor's permission

HONORS JAZZ ENSEMBLE/COMBO

COURSE FEE = \$10.00

COURSE #3630 A/B/C

Jazz Ensemble is a performance based class. It is an extension of the Concert Band. Jazz styles include ragtime, be-bop, swing, rock, funk, fusion, and much more. It consists of the classic instrumentation: Saxophone/clarinet, trombone, trumpet, and rhythm section

A small required amount of marching band & pep band is integrated into the course along with Concert Band repertoire. All members are required to participate in the marching band. All members are required to participate in Pep Band. After school performances are required and make up most of the grade. A \$10 fee for solo/ensemble is required for this course with additional costs possible.

CREDIT: 1.50 (Three Trimesters)

REQUIRED PREREQUISITES: All participants MUST audition in order to sign up for this class

PHYSICAL EDUCATION

CLASSES OFFERED BY GRADE LEVEL

Students are required to take a total of 1.5 PE credits to graduate

Required Courses:

Health
PE 9

Freshman	Health	PE 9					
Sophomore	Health	Strength and Fitness	Aerobics and More	Team Sports	Personal Wellness	Racquet Sports	
Junior	Health	Strength and Fitness	Aerobics and More	Team Sports	Personal Wellness	Racquet Sports	Outdoor Pursuits
Senior	Health	Strength and Fitness	Aerobics and More	Team Sports	Personal Wellness	Racquet Sports	Outdoor Pursuits

HEALTH

COURSE #3660

Health education class will provide learning opportunities for students to acquire and develop health knowledge, positive health attitudes and effective health practices. The students will increase their awareness of good health as a state of complete physical, mental and social well-being which are important aspects of life.

Topics that will be discussed in the class will include human anatomy, nutrition, physical activity, mental health, alcohol & other drugs, infectious diseases, and human growth & development, first aid and CPR.

CREDITS: .50 (One Trimester)

REQUIRED PREREQUISITES: NONE

PHYSICAL EDUCATION – PE 9

COURSE #3651

Students will get to experience everything that is offered in the High School Physical Education Department in this course. This course will include, depending on the season: team sports, racquet sports, outdoor pursuits, rock wall climbing, fitness testing and fitness planning. **NOTE: Required before other PE courses can be taken.**

CREDITS: .50 (One Trimester)
REQUIRED PREREQUISITES: NONE

STRENGTH AND FITNESS

COURSE #3653

This course will focus on improving cardiovascular endurance, muscular strength, flexibility and body composition. Students will assess their fitness level and utilize a fitness plan that they create to achieve personal goals. Students should expect to weight train, run, stretch and participate in fitness enhancing games and drills. All athletes are encouraged to take this class.

CREDITS: .50 (One Trimester)
REQUIRED PREREQUISITES: PE 9 and 10 -12th Grade Standing

AEROBICS AND MORE

COURSE #3654

This course will benefit your physical fitness and your heart. The main topic will be several different aerobic workouts. We will also include spinning, circuit-training, Yoga and other forms of cardiovascular fitness.

CREDITS: .50 (One Trimester)
REQUIRED PREREQUISITES: PE 9 and 10 -12th Grade Standing

TEAM SPORTS

COURSE #3657

Students will learn the rules, skills and strategies of many team sports. These may include but are not limited to: football, volleyball, soccer, softball, team badminton, team handball, floor hockey and lacrosse.

CREDITS: .50 (One Trimester)
REQUIRED PREREQUISITES: PE 9 and 10 -12th Grade Standing

PERSONAL WELLNESS**COURSE FEE = \$22.50****COURSE #3658**

This course is designed to provide students with the knowledge and skills that are necessary for a lifetime of personal fitness and well-being. Students should expect to participate in many healthy activities such as bowling, jogging, walking, biking, snowshoeing, cross-country skiing, fitness related games/activities, circuit-training, strength training, and utilizing the fitness center. There is a fee of \$22.50 to cover bowling costs.

CREDITS: .50 (One Trimester)
REQUIRED PREREQUISITES: PE 9 and 10 -12th Grade Standing

RACQUET SPORTS**COURSE #3659**

Students will learn basic skills, strategies and rules for the following racquet sports: tennis, badminton, pickleball, handball, racquetball, table tennis, speedminton and eclipse ball. Students will have the opportunity to participate in drills, match play and compete in tournaments.

CREDITS: .50 (One Trimester)
REQUIRED PREREQUISITES: PE 9 and 10 -12th Grade Standing

OUTDOOR PURSUITS (Fall, Winter or Spring)**COURSE FEE = \$45.00****COURSE #3661**

Students will learn and take part in a variety of outdoor and wilderness activities. These may include but are not limited to: biking, rock climbing, disc golf, archery, angling, and survival skills, cross country skiing, snowshoeing, ice fishing and sledding. Please wear proper winter attire (coat, pants, boots, gloves and hat) if necessary. The required fee will pay for kayak rental, busing costs, archery/golf range use and ski/snowboard rental.

CREDITS: .50 (One Trimester)
REQUIRED PREREQUISITES: PE 9 and 11 -12th Grade Standing

FOR SENIORS ONLY

Note: As per Wisconsin statute 118.33, students who have participated in interscholastic athletics, cheerleading, dance team or activities approved by the Principal and District Administrator as defined in the student handbook, while enrolled in high school and as documented by the Activities Director and approved by the Principal, may be excused from .5 credits of the high school physical education requirement, provided they take an additional .5 credits in English, social studies, mathematics, science, or health education, of their choosing.

SCIENCE

CLASSES OFFERED BY GRADE LEVEL

Students must take at least one (1) credit per year 9-11.

Required Courses:

Applied Science
Biology

* see course description for prerequisite

Freshman	Applied Science	Astronomy				
Sophomore	Biology*	Astronomy	Chemistry*			
Junior	Biology*	Astronomy	Chemistry*	Ecology and Environmental Impact*	Investigations in Forensic Science*	AP Biology*
	Human Anatomy and Physiology (H)*	Medical Terminology (H)*	AP Chemistry*	Physics (H)*		
Senior	Biology*	Astronomy	Chemistry*	Ecology and Environmental Impact*	Investigations in Forensic Science*	AP Biology*
	Human Anatomy and Physiology (H)*	Medical Terminology (H)*	AP Chemistry*	Physics (H)*		

APPLIED SCIENCE***(Required For Freshmen and Graduation)*****COURSE #3715 A/B****(LAB BASED)**

This lab-based course develops knowledge and understanding of the concepts of matter, force, energy and natural processes in the areas of physical and earth science. The course involves demonstrations, discussions, lectures, and experimentation. The student does experiments in order to obtain data that can be evaluated by the class and hopefully some conclusion can be reached. It is intended that students learn to appreciate how scientists get information in order to discover the working of nature. Skills in the use of the metric system are developed. The student will gain a strong background for more advanced science courses such as chemistry or physics.

CREDITS: 1.00 (Two Trimesters)**REQUIRED PREREQUISITES:** 9th Grade Standing

- Students may bypass Applied Science with the commitment to take Biology, Chemistry, and Physics while at Northland Pines High School and meet the prerequisites below. If a student decides to forgo this agreement, they will be required to take Applied Science.

Applied Science Exemption Prerequisites:

- Completed Exemption Form
- Take Geometry during 9th grade or maintain a grade of B or better in Algebra
- Students must complete the required Earth Science assignments from the Applied Science course. Please see Mr. Aerts with questions.
- Agreements can be found in the Student Services Office. Late agreements will not be accepted.

ASTRONOMY**COURSE #3717****(PROJECT BASED)**

Introduction to Astronomy is designed to present students with a basic understanding of the composition and structure of the universe. The course will be divided into 5 parts: The Earth, The Solar System, The Evolution of Stars, The Motion & Structure of Galaxies and exploring new and future discoveries. Due to the brevity of the course, detail will be sacrificed in order to present the larger concepts. The central objective of this course is to develop an understanding of how the universe began and is evolving. Emphasis will be placed on understanding the science that produced the evidence that has led to our current understanding of the cosmos.

CREDITS: .50 (One Trimester)**REQUIRED PREREQUISITES:** NONE

BIOLOGY
(LAB BASED)

(Required For Graduation)

COURSE #3724 A/B

Biology is a course designed to introduce students to the different shapes and forms of life. Emphasis is placed on the six kingdoms: animals, plants, fungi, protists, and two kingdoms of bacteria. The plant and animal kingdom will have the most emphasis and will include many labs and demonstrations. Through these organisms the course teaches students about classification, cellular interactions, body systems, genetics and DNA technology. Comparative anatomy techniques will be taught through a series of dissections and live labs. Application of these topics gives each student a better understanding of the complexity of life, the study called biology.

CREDITS: 1.00 (Two Trimesters)
REQUIRED PREREQUISITES: 10th Grade Standing, successful completion of Applied Science

ECOLOGY AND ENVIRONMENTAL IMPACT FALL

COURSE FEE = \$20.00

COURSE # 3723A

FALL TRIMESTER (Phenology, Soils, Forestry, Biomes and Energy)
(LAB & FIELD BASED)

It is recommended to take two trimesters of Ecology, but students can register for one, two or three trimesters.

Get outside and experience the Northwoods during the fall and early winter months! Through a series of inquiry based labs and field work, students will develop an awareness of their place and connection with the natural world. Student hands will get dirty as they test the physical and chemical properties of soils and learn about this “forgotten” yet foundational resource. The woods will become a laboratory of study as the connection between soils and plants to help students better relate to the world of forestry and the many benefits we get from our abundant forests. Human impact on natural resources will be addressed and sustainable living will be a common thread throughout all topics. As students use critical thinking skills to analyze and evaluate the health of familiar ecosystems, they will then be prepared to formulate possible solutions to local environmental issues and encouraged to have citizen action. Lab work, outdoor field testing, and field trips will be interspersed with direct instruction. A \$20.00 fee/trimester is required to cover the cost of several field studies.

CREDITS: .50 (One Trimester)
REQUIRED PREREQUISITES: 11 -12th Grade standing, and successful completion of Biology

ECOLOGY AND ENVIRONMENTAL IMPACT SPRING**COURSE FEE = \$20.00****COURSE #3723B**

SPRING TRIMESTER (Phenology, Biodiversity and Invasive Species, Global Change and Water Chemistry)
(LAB & FIELD BASED)

It is recommended to take two trimesters of Ecology, but students can register for one, two or three trimesters.

Get outside and experience the Northwoods during the late winter and spring! Through a series of inquiry based labs and field work, students will develop an awareness of their place and connection with the natural world. Your feet will get wet in aquatic ecosystems as you explore bogs, marshes, rivers and lakes in the study of water ecology. Human impact on natural resources will be addressed and sustainable living will be a common thread throughout all topics. As students use critical thinking skills to analyze and evaluate the health of familiar ecosystems. Human impact on natural resources will be addressed and sustainable living will be a common thread throughout all topics. As students use critical thinking skills to analyze and evaluate the health of familiar ecosystems, they will then be prepared to formulate possible solutions to local environmental issues and encouraged to have citizen action. Lab work, outdoor field testing, and field trips will be interspersed with direct instruction. A \$20.00 fee/trimester is required to cover the cost of several field studies.

CREDITS: .50 (One Trimester)

REQUIRED PREREQUISITES: 11 -12th Grade standing, and successful completion of Biology

ECOLOGY AND ENVIRONMENTAL IMPACT WINTER**COURSE FEE = \$20.00****COURSE #3723C**

WINTER TRIMESTER (Phenology, Winter Ecology, Wildlife and Endangered Species, Garbage and Pollution)

(LAB & FIELD BASED, offered every year)

It is recommended to take two trimesters of Ecology, but students can register for one, two or three trimesters.

Get outside and experience the Northwoods during the mid-winter and spring months! Students will become immersed in the mysteries of winter ecology through tracking and the study of snow and its many unique functions in nature and the not so quiet winter world will be revealed. Wildlife management, species identification and endangered and threatened species research will be studied to better understand wildlife. Human impact on natural resources will be addressed and sustainable living will be a common thread throughout all topics. As students use critical thinking skills to analyze and evaluate the health of familiar ecosystems, they will then be prepared to formulate possible solutions to local environmental issues and encouraged to have citizen action. Lab work, outdoor field testing, and field trips will be interspersed with direct instruction. A \$20.00 fee/trimester is required to cover the cost of several field trips.

CREDITS: .50 (One Trimester)

REQUIRED PREREQUISITES: 11- 12th Grade standing, and successful completion of Biology

INVESTIGATIONS IN FORENSIC SCIENCE

COURSE #3725

(LAB BASED)

Investigations in Forensic Science will introduce students to the history of how forensic science started and some of the major forensic science topics. Students will learn skills needed by a forensic scientist and apply them to "crime scenarios." This will require students to apply critical thinking skills to analyze the crime scene and come up with plausible explanations. Students would also be expected to maintain a portfolio style laboratory notebook that would chronicle their skills obtained in class.

CREDITS: .50 (One Trimester)
REQUIRED PREREQUISITES: 11 - 12th Grade or instructor's approval
Successful completion of Applied Science & Biology

CHEMISTRY

COURSE #3737 A/B

(LAB BASED)

An experimental and conceptual study of high school chemistry. Course content involves basic studies of atomic and molecular structure, the periodic law, chemical and physical changes, matter and energy relationships, chemical properties of various solutions and substances. Course procedures include lectures, note taking, problem solving, laboratory study and report writing. This course fulfills the college requirement for chemistry.

CREDITS: 1.00 (Two Trimesters)
REQUIRED PREREQUISITES: 10-12th Grade Standing successful completion of, or current enrollment in Algebra II, or successful completion of Algebra with a B or higher

AP BIOLOGY

COURSE #3726 A/B

(LAB BASED offered every other year)

This course continues the study of the basic principles and concepts addressed in Biology. Trimester 1 stresses the cell and its processes at the molecular level. Trimester 2 stresses genetics, evolution, and the study of plant and animal systems. This course will assist students preparing to take the Spring AP Biology Exam. ***A fee is required to take the AP Exam.***

CREDITS: 1.00 (Two Trimesters)
REQUIRED PREREQUISITES: 11th-12th Grade Standing "B" or better in Biology, passing grade or concurrent enrollment in Algebra 2 AND Chemistry with a cumulative **GPA OF 3.20 OR INSTRUCTOR APPROVAL**

HUMAN ANATOMY AND PHYSIOLOGY - HONORS

(LAB BASED)

COURSE #3728 A/B

Learn about the incredible human machine! This course is intended for serious college bound students who plan on continuing their education and/or pursuing a career in the life sciences. The course has been formatted to a college freshman Biology class and is challenging. The human body systems will be covered in depth and a comparative anatomy component will accompany the curriculum with dissections of several mammalian organs and a full fetal pig dissection.

CREDITS: 1.00 (Two Trimesters)
REQUIRED PREREQUISITES: 11-12th Grade standing B or better in Biology or instructor's approval

MEDICAL TERMINOLOGY - HONORS (Transcribed Credit)

COURSE #3729 A/B

This course focuses on the component parts of medical terms: prefixes, suffixes and word roots. Students practice formation, analysis and reconstruction of terms. Emphasis will be on spelling, definition and pronunciation of medical terms. An introduction to operative, diagnostic, therapeutic and symptomatic terminology of all body systems will be approached, as well as systemic and surgical terminology. Material will be presented with some laboratory work, viewing of procedures and surgeries through DVD and internet resources, many word games and memorization activities, guest speakers, local field trips, and experience in research and translation of case studies. This is the course you need to start your career in the medical field! *This course is an Advanced Standing course with Nicolet College. A student may earn 3 college credits if the course is completed with a grade of 80% or higher.

CREDITS: 1.00 (Two Trimesters)
REQUIRED PREREQUISITES: 11-12th Grade standing, Biology, 10th grade with Guidance Counselor and Instructor's approval

AP CHEMISTRY

(LAB BASED)

COURSE #3738 A/B

This course will go deeper into the content covered in General Chemistry and cover the additional topics not covered in General Chemistry. Topics include matter, periodic law, gas laws, bonding, equilibrium, kinetics, and thermodynamics. Each topic will be explored with an in-depth lab activity. This course will be helpful for creating a very solid chemistry foundation for anyone interested in pursuing science in college, or having a chance to complete science general education requirements in college. ***A fee is required to take the AP Exam.***

CREDITS: 1.00 (Two Trimesters)
REQUIRED PREREQUISITES: 11-12th Grade standing, a successful completion of chemistry.

PHYSICS - HONORS**COURSE #3744 A/B****(LAB BASED)**

This class is an experimental and conceptual study of algebra based physics. The course will include the study of mechanics, energy, fluid flow, electricity, and magnetism. There is an emphasis placed on problem solving, mathematical relationships, and experimental exploration. Students will also be expected to apply their physics knowledge to design and create various devices in class which include model rockets, motors, timing instruments, waterwheels, collision safety devices, and windmills.

CREDITS:

1.00 (Two Trimesters)

REQUIRED PREREQUISITES:

11-12th Grade Standing and successful completion of or concurrent enrollment in Algebra II. Enrollment in Advanced Mathematical Applications or Pre-Calculus is recommended

SOCIAL STUDIES

CLASSES OFFERED BY GRADE LEVEL

Students must take at least one (1) credit per year 9-11.

Required Courses:

U.S. History (**OR** substitute with AP US History)

Global Studies

Political Science (**OR** substitute with AP Gov)

American Society

Economics (**OR** Personal Finance - See Computers and Business Education)

* see course description for prerequisite

Freshman	US History	Intro to Criminology and Criminal Justice	Global Studies	AP US History*	
Sophomore	US History	Intro to Criminology and Criminal Justice	Global Studies	AP Government and Politics*	AP US History*
	Political Science*	Economics*	Psychology*	AP Psychology*	
Junior	US History	Intro to Criminology and Criminal Justice	Global Studies	AP Government and Politics*	AP US History*
	Political Science*	Economics*	Psychology*	AP Psychology*	American Society*
Senior	US History	Intro to Criminology and Criminal Justice	Global Studies	AP Government and Politics*	AP US History*
	Political Science*	Economics*	Psychology*	AP Psychology*	American Society*

NOTE: *With teacher recommendation, students can opt to take:
AP US History in lieu of US History
AP Government in lieu of Political Science*

POLITICAL SCIENCE (Required for Graduation or substitute with AP Gov)

COURSE #3805

This course is a study of the origins, development, structure, and functions of the American national government. Topics include the constitutional framework; federalism; the three branches of government, including the bureaucracy; civil rights and liberties; political participation and behavior; and policy formation. Upon completion, students will be able to demonstrate an understanding of the basic concepts and participatory processes of the American political system. Basic concepts of state and local government and Native Americans and their relationships with the federal government are also examined.

CREDITS: .50 (One Trimester)
REQUIRED PREREQUISITES: 10-12th Grade Standing

AP UNITED STATES GOVERNMENT AND POLITICS

COURSE #3811 A/B

AP United States Government and Politics introduces students to key political ideas, institutions, policies, interactions, roles, and behaviors that characterize the political culture of the United States. The course examines politically significant concepts and themes, through which students learn to apply disciplinary reasoning, assess the causes and consequences of political events, and interpret data to develop evidence-based arguments. Students study general concepts used to interpret U.S. Government and Politics and analyze specific topics, including:

- Constitutional Underpinnings
- Political Beliefs and Behaviors
- Political Parties, Interest Groups, and Mass Media
- Institutions of National Government
- Public Policy
- Civil Rights and Civil Liberties

A fee is required to take the AP Exam.

CREDITS: 1.00 (Two Trimesters)
REQUIRED PREREQUISITES: 10-12th Grade Standing
3.2 CUMULATIVE GPA OR TEACHER APPROVAL

AMERICAN SOCIETY (Required for Graduation)

COURSE #3820

American Society is a course that focuses on the structure and function of society and the influence of social institutions on the individual. This course also provides an introduction to some of the most pressing social problems facing the United States today. Throughout the course you will learn how to apply sociological research methods, concepts, and perspectives to unravel a diverse array of contemporary social issues. Topics we will examine include: culture, socialization, social norms and norm violations, economic inequality, and issues of race and ethnicity. We will take an intersectional approach to consider how race, gender, class, sexuality, and immigration status shape how these social trends and issues emerge, are experienced, and influence our individual and collective futures.

CREDITS: .50 (One Trimester)
REQUIRED PREREQUISITES: 11-12th Grade Standing

INTRODUCTION TO CRIMINOLOGY AND CRIMINAL JUSTICE

COURSE #3822

In today's society, crime and deviant behavior are often one of the top concerns of society members. From the nightly news to personal experiences with victimization, crime seems to be all around us. In this course, students will explore the field of criminology or the study of crime. In doing so, students will look at possible explanations for crime from psychological, biological, and sociological standpoints, explore the various types of crime and their consequences for society, and investigate how crime and criminals are handled by the criminal justice system. Key questions and topics will be centered on the following: Why do some individuals commit crimes but others don't? What aspects of our culture and society promote crime and deviance? Why do individuals receive different punishments for the same crime? What factors shape the criminal case process, from arrest to punishments?

CREDITS: .50 (One Trimester)
REQUIRED PREREQUISITE: NONE

PSYCHOLOGY

COURSE #3825

A general survey of the principles of psychology. Emphasis is given to the areas of perception, conditioning, learning, abnormal behavior, and mental illness. The basic aim of this course is to acquaint the students with the present state of developments in the field of psychology.

CREDITS: .50 (One Trimester)
REQUIRED PREREQUISITES: 10-12th Grade Standing

AP PSYCHOLOGY

COURSE #3826 A/B

The purpose of AP Psychology is to introduce students to the systematic and scientific study of the behavior and mental processes of human beings. Students will be exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. This class will prepare students for college level psychology courses through rigorous class requirements such as essays, research papers, scientific analysis, and experiments. The Advanced Placement exam may be taken through which, upon successful completion, a student can achieve college credit. The fee incurred for this exam will be the responsibility of the individual student. ***A fee is required to take the AP Exam.***

CREDITS: 1.00 (Two Trimesters)
REQUIRED PREREQUISITES: 10-12th Grade Standing
3.2 CUMULATIVE GPA OR TEACHER APPROVAL.

INDIVIDUAL, SCHOOL AND SOCIETY

COURSE #3267

This course provides students with an introduction to teaching as a profession in the US public education system. Students will examine their own educational backgrounds and analyze influences that have shaped them as members of society and potential educators. We will explore a wide range of education topics, including diversity and equity, historical contexts of school in society, current issues in education today, teachers' and students' roles, educational philosophy, pedagogy, current education policy, and curriculum. Because this is a teacher education course, there will be opportunities to lead the class in discussion and activities. Students will gain experience in elementary and/or middle school classrooms in order to learn more about teaching during the middle of the class. *Students will be given the opportunity to receive college credit for this course through the Cooperative Academic Partnership Program (CAPP) at UW Oshkosh. Once rostered in this course, students will receive information from the instructor on the cost and instructions to receive college credit. (Prerequisites for CAPP credit are GPA of 2.75 or higher, in the top 30% of class or higher).*

CREDITS: 1.0 (Two Trimesters)
REQUIRED PREREQUISITES: 11th or 12th Grade Standing

This class is REQUIRED in order to participate in the School to Work Program in the following areas:
(1) Teacher Assistant

JOB SHADOWING EXPERIENCE

COURSE #3270

Students will participate in a job exploration experience at a local business/career opportunity of their choice. This course is a partnership between the school and the business community and is designed to focus on the "real world of work" that students observe as they "job explore" various employees and supervisors at a particular worksite. Students will receive a **PASS/FAIL** grade for credit. Students will be responsible for completing associated coursework related to this experience including regular reflections.

Performance evaluations and progress reports are completed on a regular basis by the supervising employer, the student and the Program Coordinator. These are based on attendance and participation.

(This course is an unpaid option in the event a YA or STW opportunity is not available)

Maximum of two (2) credits per school year.

CREDITS: .50 per period scheduled
REQUIRED PREREQUISITES: 12th Grade Standing; Course #3265
Application Required - Acceptance NOT Guaranteed.

YOUTH APPRENTICESHIP

COURSE #3274

The Youth Apprenticeship (YA) Program is a rigorous one or two year elective statewide program that combines academic and technical instructions with mentored, paid and on-the-job learning that makes a real world connection for students. Youth Apprentices work a minimum of 450 hours at their YA worksite each year of their program and take **related high school or college classes** to enhance their worksite experiences. Students follow a career pathway from high school to post-secondary institutions or the workforce.

- Students earn a paycheck while learning from skilled professionals.
- Students experience first-hand connections between high school education and real life work.
- Increases awareness and improves future employment.
- Receive an apprenticeship certificate which is recognized nationally.

The program areas of apprenticeships include: Agriculture, Food , Natural Resources (AFNR); Architecture and Construction; Arts, A/V Technology and Communications; Business Administration; Education; Finance; Government and Public Administration; Health Science; Hospitality and Tourism; Human Services; Information Technology; Law, Public Safety, Corrections and Security; Manufacturing; Marketing; Science, Technology, Engineering and Mathematics (STEM); Transportation, and Distribution and Logistics.

Maximum of 4.5 credits per school year.

Additional related coursework is required in two out of three trimesters, for a total of 1.0 credit/year.

CREDITS: .50 per period scheduled
REQUIRED PREREQUISITES: 11th or 12th Grade Standing; Course #3265 (can be taken concurrently with the YA Program)
Application Required - Acceptance NOT Guaranteed.

TEACHER'S ASSISTANT FOR NORTHLAND PINES SCHOOLS

COURSE #3275

Senior students interested in becoming a Teacher Assistant within the Northland Pines School District must make arrangements with a cooperating teacher and complete a signed contract with the cooperating classroom teacher and program coordinator **PRIOR** to acceptance in the program. Please see TA Program Coordinator for details BEFORE signing up on the Forecast Sheet. The student will receive credit on a **PASS/FAIL BASIS ONLY**. Students and their parents must read and sign a **STUDENT CONFIDENTIALITY AGREEMENT**.

- Transportation to and from the worksite must be provided by THE PARENT/GUARDIAN OF THE STUDENT unless prior transportation arrangements are made with the School to Work program coordinator before the school year begins.
- TAs will work with their supervising teacher to determine the best experiences for the student. Experience will include shadowing, but also working with students (small groups, academic help, mini lessons, etc). TAs will be evaluated multiple times during trimester by cooperating teacher. Students are also expected to complete regular reflections with program coordinator.

Elementary level & NPMS: Maximum of .5 credit per trimester, 1.5 credits per year

NPMS: Maximum of .5 credit per trimester, one (1) credit maximum per year

CREDITS: .50 per period scheduled
REQUIRED PREREQUISITES: 12th Grade Standing and Course #3267 (Individual, School & Society)
Application Required -Acceptance NOT Guaranteed.

The School-to-Work course is a one or two year elective program that combines academic and technical instructions with paid, on-the-job learning that makes a real world connection for students. Students in the School-to-Work program work a minimum of 90 hours per trimester at their chosen worksite and take **related high school or college classes** to enhance their worksite experiences. Students follow a career pathway from high school to post-secondary institutions or the workforce.

- Students earn a paycheck while learning from skilled professionals.
- Students experience first-hand connections between high school education and real life work.
- Increases awareness and improves future employment.

This course is graded on a PASS/FAIL basis.

Students who have career interests that are not available through the YA program but are still interested in learning on-the-job skills are encouraged to explore this option.

Maximum of 4.5 credits per school year.

Additional related coursework is required in two out of three trimesters, for a total of 1.0 credit/year.

CREDITS: .50 per period scheduled

REQUIRED PREREQUISITES: 11th or 12th Grade Standing; Course #3265 (can be taken concurrently with the STW Program)

Application Required - Acceptance NOT Guaranteed.