

PRENTICE HIGH SCHOOL COURSE DESCRIPTIONS 2024-2025



Buccaneers

NONDISCRIMINATION POLICY

The Prentice School District does not discriminate on the basis of sex, race, color, religion, national origin, ancestry, creed, pregnancy, marital or parental status, sexual orientation or physical, mental, emotional, or learning disability.

The District policy also provides that no person shall be subjected to discrimination in employment on these bases.

Arrangements can be made to ensure full admission and participation to those lacking English language skills.

The policy also provides for an appeal procedure.

Inquiries regarding specific allegations of sex discrimination (Title IX, Education Amendments of 1972), or discrimination on the basis of handicap (Section 504, Rehabilitation Act of 1973) may be referred to:

Mrs. Megan Enders
Title IX Coordinator
Prentice School District
Prentice, WI 54556

Section 504 Coordinator
Prentice School District
Prentice, WI 54556

INTRODUCTION

This career and course description handbook is prepared so that you and your parents can more easily and intelligently select those courses which will prepare you best for the career goals you have chosen. Even though you may not have identified a career goal at this time, it is to your advantage to preview the career cluster information and to select a combination of courses which will open the most doors to you after high school. Colleges, technical schools and the various programs offered by those schools require for acceptance specific prerequisites at the high school level. Be sure to check with your counselor or college representative as to what those prerequisites are.

The course requirements established by the Board of Education for Prentice High School will be changing over the next few years reflecting state mandates and the need for better preparation in specific areas identified by state and national commissions on education. Following are a list of the career clusters, the specific requirements for college and technical school admissions, the two different types of diplomas offered at Prentice High School, and a breakdown by department of each class offered at Prentice High School. Be sure to pay close attention to any prerequisites and the year in which the class is offered to you.



Career Clusters

Career Clusters prepare all students for careers and post-secondary education. The nature of work has changed over time. Tomorrow's jobs will require more knowledge, better skills, and more flexible workers than ever before. Tomorrow's workers must be prepared to change jobs and/or careers several times, continually updating their knowledge and skills. To prepare today's students for tomorrow, Prentice High School is working to help students achieve in challenging subjects. A key approach to this goal is to provide students with relevant instruction. Career clusters link what students learn in school with the knowledge and skills they need for success in careers and post-secondary education.

Career clusters identify pathways from secondary school to two-and four-year college, graduate school, and the workplace so that students can learn in school what they can do in the future. This connection to future goals motivates students to work harder and enroll in more rigorous courses.

How to use this Career Cluster Guide...

1. Select the career cluster that interests you. There are sixteen career clusters. They are
 - Agriculture, Food & Natural Resources
 - Architecture & Construction
 - Arts, A/V Technology & Communications
 - Business Management & Administration
 - Education & Training
 - Finance
 - Government & Public Administration
 - Health Science
 - Hospitality & Tourism
 - Human Services
 - Information Technology
 - Law, Public Safety, Corrections & Security
 - Manufacturing
 - Marketing
 - Science, Technology, Engineering & Mathematics
 - Transportation, Distribution & Logistics
2. Look at the pathways and careers in this cluster. Research your top career choices using the Wisconsin Career Pathways or WISCareers web site. You can access the web site at school or at home. Not every career is listed on the web site but you will find information on every career cluster.
3. Use the course planning page to plan your path to achieving your career goals. Read about each course in the course Selection Guide. See page 9 of the selection guide for the start of an alphabetical listing of departments with each course description. As you progress through high school, your career goals might change. Each year you will review and update your plan.
4. Work with your school counselor to make sure you are meeting graduation requirements as well as the requirements for the post-secondary institution of your choice.

Please visit the website <https://careertech.org/career-clusters> for more information on careers in each cluster.



PRENTICE HIGH SCHOOL COLLEGE CREDIT COURSES

Advanced Placement courses:

AP English Language and Composition (offered every other year)

AP English Literature and Composition (offered every other year)

AP Biology

Dual Credit: (students are registered with a technical college and receive a technical college transcript)

PHS Welding = NTC

PHS English 12=NTC

PHS Anatomy=NTC

PHS Accounting I/II = NTC

PHS Calculus=NTC

PHS Trigonometry=NTC

PHS Algebra II=NTC

PHS Medterm=NTC

PHS Welding/Machine Shop=NTC

HELPFUL DEFINITIONS

Dual Credit –Dual credit courses are an agreement between Prentice High School and Northcentral Technical College (NTC) in which students receive both high school credit (by passing the course) and technical college credit. Upon completion of a dual credit course, students receive an official NTC transcript. Dual credit courses are actual technical college courses that are taught by Prentice High School teachers here at Prentice High School. There is no cost to the student for these technical college credits, which normally cost approximately \$100/credit!

Advanced Standing – Advanced standing recognizes the skills students attained in certain high school courses by allowing them to earn college credit. When students enroll in an AP course, credit for those high school courses in which they earned advanced standing will be applied toward their technical college degree or diploma. Students must pay a cost to take an exam at the completion of the course. The amount of credits a student will earn is dependent on the score of the exam.

PREPARING FOR COLLEGE & UNIVERSITY ADMISSION

Students planning to attend college must pay careful attention to admissions requirements prior to selecting high school courses. The requirements vary considerably depending upon the college or university you plan to attend and the major field of study you plan to pursue. ***It is essential that you and your parents check specific college entrance requirements with your school guidance counselor.***

High School Credit Requirements – High school course work should prepare you for college by helping develop strong skills in at least four areas – English, mathematics, social science and natural science. **Two years of foreign language is also strongly recommended.** All UW System institutions require a minimum of 17 high school credits (one credit is equal to one year of study) distributed as follows:

| Core Prep Courses | Description | Credits |
|-------------------|--|---------|
| English | Accepted English courses stress an understanding of composition, literature and rhetoric. Significant practice in reading, writing and speaking is expected in composition and rhetoric. Several campuses require that at least three of the four credits in English include composition and literature. Most regular and advanced | 4 |



| | | |
|------------------|--|---|
| | English courses are accepted. Courses not accepted tend to be those that emphasize applied skills, performance or technical production, such as yearbook. | |
| Mathematics | Algebra, geometry and other mathematics courses requiring algebra or geometry as prerequisites are accepted. Most campuses require algebra, geometry and algebra II. In most cases, courses are not accepted in mathematics if they are taught prior to first-year algebra, do not have algebra or geometry as a prerequisite or are computer classes. | 3 |
| Social Science | Courses accepted in social science include history, political science, geography and theoretical studies of culture, economics and human behavior and societies (such as psychology and sociology). Courses in applied social science are not accepted. | 3 |
| Natural Science | Courses accepted in natural science include biology, chemistry and physics. These courses emphasize theory and usually have a significant laboratory component. Other science courses often accepted include astronomy, earth science, geology and physical science. | 3 |
| Elective Credits | An additional 4 credits may be chosen from English, mathematics, natural science, social science/history, foreign language, fine arts, computer science, and other academic areas. (Two years of a single foreign language are required for admission to UW-Madison, and are encouraged at other UW System campuses.) Some UW System campuses may also accept technical and career courses for a portion of these 4 elective credits. | 4 |

It is impossible to list courses that are required by all institutions. Please visit the UW Help Home Page at www.uwhelp.wisconsin.edu and follow the link to access the campus-specific requirements.

Taking all of the recommended courses does not guarantee admission to college. Other factors such as a student's rank in class, grades, and ACT/SAT test scores are considered.

A strong academic background in high school beyond the minimal college admissions requirements can be beneficial. For example, UW – Madison is one of the colleges that recommend more than the minimal admissions requirements. For the admissions requirements of a specific college see your counselor or contact the institution.

PREPARING FOR TECHNICAL COLLEGE ADMISSIONS

If you are planning to attend a state Wisconsin Technical College System (WTCS) school, are unsure about your post-high school plans, or plan to seek employment immediately upon graduation, you will have greater flexibility in both selecting and pursuing a career if you have completed the following course work. Please visit: <https://www.wtcsystem.edu/> for more information on Technical Colleges in Wisconsin.

| Subject Areas | Description | Years of Study |
|---|--|----------------|
| English, mathematics, social science, and natural science | See the chart under "Preparing for College and University Admissions" for information regarding these areas of study | * |
| Career and Technical Education | Emphasis on the realities of the workplace, general and specific occupational skills, career exploration, supervised work experiences, and student organizations. | 3-4 |
| Computer science and literacy | Instruction in keyboarding, computer operations and terminology, program solving, applying computer technology, using appropriate software, and the social and economic impact of computers. | 0.5 |



| | | |
|----------------------------------|--|-----|
| Careers, work and the work place | Career exploration and planning with emphasis on occupations, non-traditional careers, and self-employability skills and attitudes; job-seeking and keeping skills; human relations; and a practical knowledge of business operations. | 0.5 |
|----------------------------------|--|-----|

Graduation Requirements

Prentice High School offers two diplomas that students can earn during their time at PHS: a PHS diploma and an Honors PHS diploma. Both diplomas require at least 24 credits to graduate. Please see the information below on the requirements and course outlook for each diploma.

PHS Diploma

Students earning a PHS diploma must meet the requirements listed below and complete eight hours of community service each year they attend PHS.

GRADUATION REQUIREMENTS

24 credits are required for graduation

| | |
|------------------|------------|
| English 9 | 1.0 credit |
| English 10 | 1.0 credit |
| English 11 | 1.0 credit |
| English 12 or AP | 1.0 credit |

| | |
|-------------------------|------------|
| U.S. History | 1.0 credit |
| Civics | 0.5 credit |
| Social Studies Elective | 1.5 credit |

| | |
|------------------|------------|
| Science 9 | 1.0 credit |
| Biology | 1.0 credit |
| Science Elective | 1.0 credit |

| | |
|------------------------|------------|
| Algebra I/General Math | 1.0 credit |
| Geometry | 1.0 credit |
| Algebra II | 1.0 credit |

| | |
|-----------------------------|------------|
| Physical Education Elective | 0.5 credit |
| Physical Education Elective | 0.5 credit |
| Physical Education Elective | 0.5 credit |

| | |
|------------------------|-------------|
| Health | 0.5 credit |
| Career Decision Making | 0.25 credit |

| | |
|------------------|------------|
| Personal Finance | 0.5 credit |
|------------------|------------|



PHS Honors Diploma

An honors diploma is available for students. Students who earn an honors diploma will receive recognition at graduation. Graduating with honors in high school gives you a basic understanding of college education and demonstrates that you are capable of handling the rigors of college level education. Students who are working towards an honors diploma must take at least 2 years of a foreign language and an advanced science course (listed below). The requirements for an honors diploma are listed below.

GRADUATION REQUIREMENTS

24 credits are required for graduation

| | |
|-----------------------------|-------------|
| English 9 | 1.0 credit |
| English 10 | 1.0 credit |
| English 11 | 1.0 credit |
| English 12 or AP | 1.0 credit |
| U.S. History | 1.0 credit |
| Civics | 0.5 credit |
| Social Studies Elective | 1.5 credit |
| Science 9 | 1.0 credit |
| Biology | 1.0 credit |
| Physics, Chemistry, POE, | 1.0 credit |
| Algebra I | 1.0 credit |
| Geometry | 1.0 credit |
| College Algebra II | 1.0 credit |
| Physical Education Elective | 0.5 credit |
| Physical Education Elective | 0.5 credit |
| Physical Education Elective | 0.5 credit |
| Health | 0.5 credit |
| Career Decision Making | 0.25 credit |
| Personal Finance | 0.5 credit |
| Foreign Language | 2.0 credit |



PRENTICE HIGH SCHOOL FOUR YEAR PLANNING GUIDE

| GRADE 9 | Credits |
|-------------------------------------|----------------|
| English 9 | 1.0 |
| US History | 1.0 |
| Science 9 | 1.0 |
| Math (Alg1/Foundations of Alg) | 1.0 |
| Physical Education | 0.5 |
| Elective | |
| Elective | |
| Elective | |
| Elective | |
| Elective | |
| Elective | |
| Elective | |
| Credit total (6.5 or higher) | |

| GRADE 11 | Credits |
|-------------------------------------|----------------|
| English 11 or AP | 1.0 |
| Physical Education | 0.5 |
| Career Decision Making | .25 |
| Social Studies Elective | 0.5-1.0 |
| Science Elective | 1.0 |
| Math (Alg II/ College Alg II) | 1.0 |
| Elective | |
| Elective | |
| Elective | |
| Elective | |
| Elective | |
| Elective | |
| Elective | |
| Credit total (6.5 or higher) | |

| GRADE 10 | Credits |
|-------------------------------------|----------------|
| English 10 | 1.0 |
| Biology | 1.0 |
| Math (Geometry) | 1.0 |
| Physical Education | 0.5 |
| Social Studies Elective | 1.0 |
| Elective | |
| Elective | |
| Elective | |
| Elective | |
| Elective | |
| Elective | |
| Credit total (6.5 or higher) | |

| GRADE 12 | Credits |
|-------------------------------------|----------------|
| English 12 or AP | 1.0 |
| Personal Finance | 0.5 |
| Civics | 0.5 |
| Elective | |
| Elective | |
| Elective | |
| Elective | |
| Elective | |
| Elective | |
| Elective | |
| Elective | |
| Elective | |
| Credit total (6.5 or higher) | |



COURSE LOAD REQUIREMENTS

Students in grades 9-12 are required to be enrolled in a minimum of six and a half (6.5) credits for each academic year.

SCHEDULE CHANGE POLICY

Prior to the beginning of school in the fall, class changes will be approved by the guidance office. Prior to the beginning of second semester, class changes will be approved by the guidance office. A deadline earlier than the beginning of second semester classes may be established for second semester due to the fact that the students are in school. The only exceptions to this procedure are:

1. Seniors who need to adjust their schedule in order to graduate.
2. Teacher initiated changes based on student's academic needs or abilities.

PREREQUISITE PROCEDURE

Some courses indicate a **Prerequisite** in their description. These are required conditions to be eligible to take the course, but may be bypassed if the instructor believes the class is in the best interest of the student and is at an appropriate academic level for the student.

If parents disagree with the instructor's decision to enroll a student in a class, they may begin an appeal process. The course appeal team (teacher, student, parent/guardian, school counselor, and high school principal) will then discuss the decision. If a satisfactory agreement may not be reached, parents may contact the district superintendent

DISTANCE LEARNING COURSE INFORMATION

The Prentice School District is part of the Northern Wisconsin Educational Communications System (NWECS). Antigo, Ashland, Bayfield, Butternut, CESA 12, Chequamegon, CMN, Drumond, Gilman, Hayward, Hurley, LCOCC, Mellen, Medford, Mercer, Mosinee, Northland College, Northland Pines, NTC, Phillips, Rib Lake, St. Croix, South Shore, Superior, UW Barron County, UW Stout, UW Superior, and our school district are part of this distance learning consortium. This allows students more opportunities to take courses via distance learning.

A separate course description book will list all classes available to students and will be available during registration time to students. All scheduling for distance classes will be done with the school counselor.



Prentice High School Courses and Descriptions

ART

| | | |
|-------------------------------------|--------------------|-------------------|
| INTRODUCTION TO ART, II, III | GRADES 9-12 | 1.0 CREDIT |
|-------------------------------------|--------------------|-------------------|

Introduction to Art is a year course in which you will be assigned units of study that enforce previous knowledge in art. The curriculum is based upon the art elements and principles of design in both 2-D and 3-D units. For each art element, you will create a work of art that shows mastery of line, shape, space, form, color, texture and value. You will learn to make critical judgments and evaluate works using the principles of design. You will be studying the visual arts from these four vantage points: Aesthetics is the study of art in our everyday life; Art Heritage is the history of the arts; Art Criticism is an understanding and appreciation of all art forms; Art Making using a variety of materials. Students will be introduced to the potter's wheel.

Prerequisite: None

| | | |
|--|--------------------|-------------------|
| DRAWING & PAINTING, II, III, IIII | GRADES 9-12 | 0.5 CREDIT |
|--|--------------------|-------------------|

Works will include techniques in blind contours, contour, gesture, cross-contour, rendering, tonal, hatching, cross hatching, refraction, caricature, collage, printmaking, design basics and color mixing. We will be working from still life's, models, photos, animals, landscapes, cityscapes, self-portraits, the figure and features, as well as from master works. Levels range from beginner to advanced. Materials will include a variety of drawing pencils, charcoals, conte, pen and ink, paints, pastels, colored pencils, mixed media, linoleum, along with a variety of paper size and texture.

Prerequisite: None

| | | |
|---------------------------------|--------------------|-------------------|
| SCULPTURE, II, III, IIII | GRADES 9-12 | 0.5 CREDIT |
|---------------------------------|--------------------|-------------------|

This course will provide the student with a basic foundation for designing three-dimensional sculptures. Art students will explore both additive and subtractive sculptures and both historical and cultural uses of three-dimensional art. Students will use the elements and principles of design in the area of three-dimensional forms and will gain experience with a variety of sculpture projects. The units of study will include ceramics, plaster, foam, and metals.

Prerequisite: None

| | | |
|---------------------|---------------------|---------------------|
| ADVANCED ART | GRADES 10-12 | 0.5-1 CREDIT |
|---------------------|---------------------|---------------------|

This course is for students who have taken a previous beginning Art class, and ranges from intermediate to advanced levels. Students will be given work in specific areas based on an individualized plan developed by the student and teacher. Advanced Art designs and builds the Musical Set, along with designing and painting school murals in addition to each individualized plan. **Prerequisite: Senior**



| | | |
|----------------------|--|--------------------|
| PHOTOGRAPHY I | GRADE 11, 12, or APPROVAL BY INSTRUCTOR | 1.0 CREDITS |
|----------------------|--|--------------------|

This course uses the DSLR/SLR digital camera to build basic skills in students who have an interest in technical photography but have limited or no prior experience. Using a balance of all-class discussion, demonstration, and hands-on projects, this course will explore basic photography techniques and the aesthetic considerations involved in framing, lighting, choosing settings, shooting, editing, and sharing digital photography. Additionally, students will learn about the invention and history of photography.

BUSINESS & INFORMATION TECHNOLOGY

| | | |
|---------------------|---------------------|-------------------|
| ACCOUNTING I | GRADES 11-12 | 1.0 CREDIT |
|---------------------|---------------------|-------------------|

Accounting is for the student who enjoys working with numbers, is not afraid of a little hard work, and is looking for a class with both personal and career benefits for the future. Accounting teaches the student how to keep business and personal records accurately, deals with cash and credit transactions, and introduces the student to small and large businesses. Students will also be exposed to computerized accounting.

Prerequisite: None
Independent Study Available with teacher permission

| | | |
|----------------------|---------------------|-------------------|
| ACCOUNTING II | GRADES 11-12 | 1.0 CREDIT |
|----------------------|---------------------|-------------------|

Accounting II is a class designed for those students wishing to continue their study of accounting beyond the traditional one year class. Accounting II covers such areas as partnership accounting, departmentalized accounting, corporate accounting, cost accounting and much more. It also covers computerized accounting in more depth.

Prerequisite: Accounting I
Independent Study Only
Dual Credit available through NTC.

| | | |
|-------------------------------|-----------------|-------------------|
| CAREER DECISION MAKING | GRADE 11 | 0.5 CREDIT |
|-------------------------------|-----------------|-------------------|

This course is required to graduate, usually taken junior year, but may also be an option for transferring seniors. During this course, students will: assess themselves, explore careers, explore educational and training options, and create a plan and set goals. This course is directed to help students explore career interests that they may pursue after high school. Resume building, filling out mock applications, mock interviews, and a job shadow will be required. Offered Spring semester.

Prerequisite: None

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|-----------------------------|
| EMPLOYABILITY SKILLS |
|-----------------------------|

| | | |
|-------------------|--------------------|-------------------|
| BUSINESS I | GRADES 9-12 | 0.5 CREDIT |
|-------------------|--------------------|-------------------|

Discover the exciting world of entrepreneurship in our Introduction to Business class, where students gain practical skills and knowledge to bring their ideas to life. From crafting innovative business plans to



developing a strong entrepreneurial mindset, this course equips high school students with the tools they need to unleash their creative potential and thrive in the dynamic realm of business.

Prerequisite: None

| | | |
|--------------------|--------------------|-------------------|
| BUSINESS II | GRADES 9-12 | 0.5 CREDIT |
|--------------------|--------------------|-------------------|

In our exciting Business 2 class, you'll explore all the different parts of running a successful business. From figuring out how to market your products to learning how to manage a team, understand money matters, and even explore business on a global scale. Get ready to gain practical skills and knowledge that will help you thrive in the real world of business!

Prerequisite: None

| | | |
|-------------------------|---------------------|-------------------|
| MICROSOFT OFFICE | Grades 10-12 | 0.5 CREDIT |
|-------------------------|---------------------|-------------------|

Unlock the power of Microsoft Office in our dual-credit class designed for high school students! In this engaging course, you'll become proficient in the essential tools of Word, Excel, and PowerPoint. From crafting professional documents and presentations to mastering data analysis and organization, this hands-on training will equip you with the practical skills needed to excel in academic and professional settings. Prepare for the future by gaining a valuable edge in the digital workplace with our comprehensive Microsoft Office course.

Dual Credit through NTC

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|-------------------------|----------------------|-------------------|
| PERSONAL FINANCE | GRADE 12 ONLY | 0.5 CREDIT |
|-------------------------|----------------------|-------------------|

Understanding personal finance is one of the keys to a successful future. Whether you decide to go to a four-year university, a two-year technical college or straight into the workforce after high school, you will be able to use the information from this class to help you build a successful future.

Prerequisite: None
Graduation Requirement

| | | |
|-----------------|--------------------|-------------------|
| YEARBOOK | GRADE 11-12 | 1.0 CREDIT |
|-----------------|--------------------|-------------------|

Be in charge of creating your senior yearbook! Publishing the Buccaneer requires work beyond the classroom. Staff members are in charge of selling ads and other fundraisers in order to pay for and create the yearbook. Students will also learn photography and Photoshop skills.

Prerequisite: Juniors or Seniors. Other grades accepted based on teacher approval.

ENGLISH

Four credits (4.0) of English are required for graduation.

| | | |
|----------------------|----------------|-------------------|
| BASIC ENGLISH | GRADE 9 | 1.0 CREDIT |
|----------------------|----------------|-------------------|

Basic English is an introduction to high school English designed for students who have demonstrated that they have problems with basic reading and writing. The material covered will be similar to that in English I, but the pace will be slower, and more time will be devoted to working individually with students. For this reason, class size must be limited.



The course will begin with a unit on grammar. This will take nearly the entire first quarter, as students will be expected to have a good basic understanding in future English courses. The second quarter will shift to reading, both a novel and short stories. Reading comprehension will be checked, and all students will be required to read orally to check progress. During the third quarter, students will be assigned various papers, and will write an extensive research paper. Much individual help will be given during this unit. Following this, students will read two novels, The Yearling, and Journeys, and will write a comparison/contrast paper dealing with them. Finally, two oral reports will be given, one in place of monthly book reports, and the other a report on the research paper. Computers will be used to enhance learning opportunities.

Prerequisite: Selection by faculty only

ENGLISH 9

GRADE 9

1.0 CREDIT

English 9 is an introduction to high school English stressing grammar, usage, reading comprehension and writing skills. This course includes an extensive unit on grammar, where the parts of speech and sentence structures are covered thoroughly, and the students are introduced to phrases and clauses.

Students will read a wide range of short stories as they explore the themes of *Following the Crowd* and *Parents and Children*. The required class novels are *Of Mice and Men* and *The Outsiders*. Emphasis will be on close reading and comprehension, and students will learn to make inferences, identify structure, note symbolism, and express theme.

Additionally, students will delve into writing composition. Several writing assignments will be required, including descriptive writing, a 5-paragraph essay, and written responses to comprehension questions.

Prerequisite: None

ENGLISH 10

GRADE 10

1.0 CREDIT

English 10 is a continuation of English 9 stressing grammar, usage, reading comprehension, and writing skills. Students will explore such themes as Choice and Consequences, Leadership, Mythology, Historical Fiction, and the Power of Persuasion. Each unit will include a variety of short stories, poems, and song lyrics. Required reading will include *Lord of the Flies*, *Julius Caesar*, and two choice novels. Emphasis will be on close reading and comprehension, and students will learn to make inferences, identify structure, note symbolism, and express theme.

Students should expect to write daily for multiple purposes and audiences. Several formal essays will also be required.

Prerequisite: English 9

ENGLISH 11

GRADE 11

1.0 CREDIT

English 10 is a continuation of English 9 stressing grammar, usage, reading comprehension, and writing skills. Students will explore such themes as *Coming of Age* and *Freedom of Speech and Social Media*. Each unit will include a variety of short stories and poems. Required reading will include *A Raisin in the Sun* and a choice Dystopian novel. Emphasis will be on close reading and comprehension, and students will learn to make inferences, identify structure, note symbolism, express theme, and identify mood in literature.



Several writing assignments will be required, including a research project, personal narrative, and a persuasive speech.

Prerequisite: English 10 or Permission from Instructor.

***If permission is granted to a sophomore, A.P. Literature will be REQUIRED as a junior and A.P. Language will be REQUIRED as a senior unless alternate permission is granted by the PHS English Department.**

ENGLISH 12**GRADE 12****1.0 CREDIT**

First semester will focus on the development of speaking, verbal and nonverbal communication, and listening skills through individual presentations, group activities, and other projects. This portion of the course will provide students with 3 NTC English credits under the dual credit program. In order to receive the credits, students must pass with a C or better for the semester.

The second semester will also be a dual credit course through NTC. This course focuses on business writing. Students will learn writing skills and practice with a variety of formats, including email, formal and informal business letters, and research reports.

Prerequisite: English 11

AP English will fulfill this requirement

***NTC Course: Oral/Interpersonal Communication 10-801-196, Written Communication 10-801-195**

A.P. LITERATURE & COMPOSITION**GRADE 11-12****1.0 CREDIT**

A.P. Literature & Composition is an advanced elective English course that combines analysis of complex literature with articulate discussion and composition. This course is recommended for advanced readers who are planning to attend college. It will continue the advanced study of grammar and usage begun in A.P. Language & Composition and will include the in-depth analysis of as many as 10 novels, as well as a canonical sampling of drama, poetry, short stories, and alternative forms of fiction throughout the year ranging from classical to contemporary in nature. Some summer reading and composition may be required-a schedule will be distributed in May/June of the school year prior to enrollment.

In our readings, we'll identify and analyze structure, style, theme, figurative language, imagery, symbolism, tone, etc. Analytical and argumentative compositions will be regularly assigned. Students may be required to purchase several novels as thorough in-book annotation will be a required course element. Some novels may include: *The Grapes of Wrath*, *The Scarlet Letter*, and *The Old Man and the Sea*. Dramas may include: *Othello* and *Death of a Salesman*. Poets may include: "Beowulf" poet, Yeats, Eliot, Atwood, Plath, Walker, and Dao. Because of the anticipated small size of this course, flexibility and adaptation are to be expected.

As with A.P. Language & Composition, students who complete this course have the opportunity to take an A.P. exam and potentially earn college credits. Requirements for taking the A.P. Exam will be determined on a student-by-student basis. It should be noted that the expectations and demands placed on students will be high.

Prerequisite: English 11, A.P. Language & Composition and/or Permission from Instructor

***All students who take A.P. Language & Composition as juniors are REQUIRED to take A.P. Literature & Composition as seniors unless alternate permission is granted by the PHS English Department.**



FOREIGN LANGUAGE

Many 4 year colleges and universities require or strongly suggest a minimum of two years of foreign language. Check with your school counselor or individual colleges for specific information.

SPANISH I

GRADES 9-12

1.0 CREDIT

Knowledge of how to communicate in the Spanish language is becoming increasingly important in fields as far reaching as health care, business, the building trades, the food industry, farming and education. Spanish fluency also enhances travel experiences in Spanish speaking countries, whether for work or vacation.

Because of the importance of learning to communicate in Spanish, this course is designed to meet the diverse needs of all types of learners, including those who are preparing for college and those who will enter the work force directly after graduation from high school.

The desired learning outcomes for students in Spanish One are to understand basic spoken and written Spanish communication, to be able to speak Spanish with correct pronunciation and to learn about Hispanic culture as it relates to today's world. All students in grades 9-12 encouraged to enroll in Spanish I.

Prerequisite: None

SPANISH II

GRADES 10-12

1.0 CREDIT

Spanish II continues to prepare students for a future in which the ability to communicate in Spanish will open doors of opportunity to effectively work with Spanish speaking people and to serve Spanish speaking customers in many fields of work. Spanish fluency will also enhance travel experiences in Spanish speaking countries, whether for work or vacation.

Spanish II students will continue to improve their reading, writing, listening and conversational skills as well as their knowledge of Hispanic culture. All high school students who have completed Spanish I are encouraged to enroll. Students who plan to enroll in college and have completed Spanish II are encouraged to seek retroactive college credit for their high school Spanish language experience. Previous students have been awarded up to 8 free retroactive college credits for the knowledge gained in Spanish 2.

Prerequisite: Successful completion of Spanish I

HEALTH

This half-credit (0.5) Health course is required for graduation, but is generally taken during 8th grade.

HEALTH

GRADE 9

0.5 CREDIT

Health 9 is a beginning health class which introduces a variety of health related topics such as drug education, environmental issues, disease, safety and first aid, physical fitness, nutrition, and a basic understanding of the human body. Students will gain a basic knowledge of current health-related issues. Some of these issues will concern the student's everyday life and decisions. The class will give the student an opportunity to express himself on a number of current events related to the health field. This course is



required by state mandate and is normally completed in grade 8 without high school credit. A student not completing this course in grade 8 will have to complete it in high school.

Prerequisite: None

FAMILY AND CONSUMER SCIENCES

ADVANCED FOODS

GRADES 10-12

0.5 CREDIT

Take your cooking skill to the next level by learning the purpose of different ingredients and what they do in foods. This class is an extension of the introduction classes to give you more experience with advanced techniques in the kitchen.

Prerequisite: Intro to FACS

INTRO TO FACS

GRADES 9-12

0.5 CREDIT

In this class, students will develop a good foundation for kitchen safety and sanitation skills. The main focus of the course will be beginner dishes (baked goods and full meals) and cooking techniques. We will also look at the following topics: food influences, meal planning, budgeting, and shopping decisions.

Prerequisite: None

LEADERSHIP

GRADES 10-12

0.5 CREDIT

Leadership Development is a course where students learn the character traits of a leader and how to lead effectively. Through the course units including preparation, vision, character, goals, and influence, students will possess the tools to make quality decisions and understand the role of a leader in their communities. This course will provide multiple forms of academic skills while also providing students opportunities to apply leadership skills in the school and community.

Special Note: Freshmen can join this class with special recommendation, please talk to Ms. Kalandar prior to enrollment.

MATHEMATICS

Three credits (3.0) of Mathematics are required for high school graduation. Courses that fulfill this graduation requirement are General Math, Algebra I, Geometry, Algebra II, and Pre-Calculus and Calculus.

Most 2 and 4-year colleges and universities and many post-graduation career programs require a **MINIMUM** of three years of mathematics, with four years **HIGHLY** recommended, which **MUST** include Algebra I, Algebra II, and Geometry.

BASIC MATH

GRADE 9

1.0 CREDIT

Basic Math is a course designed to help the student master basic arithmetic process through percentage.

Prerequisite: By permission only

FOUNDATIONS OF ALGEBRA

GRADE 9

1.0 CREDIT



The main purpose of this course is to develop individual skills to the point where the student is competent in basic math. The course covers addition, subtraction, multiplication and division of whole numbers, decimals and fractions, solving equations and graphing. This class is usually taken in the 9th grade by those who need a review of basics before beginning Algebra.

Prerequisite: By permission only

| ALGEBRA I | GRADES 9-12 | 1.0 CREDIT |
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In general this course is required of all freshmen. It is particularly important for those students who plan further math studies or who plan to go to a technical school or college. Students learn operations with positive and negative numbers and fractions, how to use variables, how to solve equations and inequalities. The idea of functions is introduced along with graphing straight lines in the plane. There is some work with simple polynomials and factoring. Algebra I is meant to introduce the student to a serious study of mathematics.

Prerequisite: None

Required for graduation – Substitution only by approval

| GEOMETRY | GRADES 9-12 | 1.0 CREDIT |
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Those students who complete Algebra I must take Geometry the following year. Properties of points, lines, planes and other geometric figures are studied. Students will learn how to prove statements in geometry, and also learn practical applications of geometric properties such as area and volume formulas for many geometric figures. The training in logical reasoning is always useful, and it is also important to know basic facts about geometric figures for use in everyday life.

Prerequisite: Algebra I, but may be taken concurrently with Algebra I

| ALGEBRA II | GRADES 10-12 | 1.0 CREDIT |
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This course picks up where Algebra I leaves off. Equation solving is extended to polynomials of second degree and higher, and to systems of equations. There is more work on the concept of function and on graphing in two. Also studied are sequences and series, properties of radicals, complex numbers, the conic sections and logarithms. Trigonometry and the study of the unit circle are introduced. This course begins to give students the mathematical tools needed for any technical studies at college or technical school. Competency at this level of mathematics is now required for the granting of a degree by some colleges.

Prerequisite: Algebra I, may be taken concurrently with Geometry

| ADVANCED ALGEBRA II (DUAL CREDIT) | GRADES 10-12 | 1.0 CREDIT |
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This course covers those skills needed for success in Calculus and many application areas on a baccalaureate level. Topics include the real and complex number systems, polynomials, exponents, radicals, solving equations and inequalities (linear and nonlinear), relations and functions, systems of equations and inequalities (linear and nonlinear), matrices, graphing, conic sections, sequences and series, combinatorics and the binomial theorem.

Prerequisite: Algebra I and Geometry

***NTC Course**



This course prepares a student for college level math - calculus, in particular. A student who completes this course should be able to continue a calculus sequence during his/her first semester in college. It begins with an introduction to logic, and then develops the fundamental properties of the real number system using the deductive method. Trigonometry is reviewed in this course. Also studied are vectors, complex numbers, and polynomial functions. Any student planning to study mathematics or some branch of science or technical studies should take care of this course. This is a dual credit course with NTC. Students that pass this course with a C or better for the year will receive 3 NTC math credits, which transfer to all UW system colleges as college level Trigonometry with Applications.

Prerequisite: Algebra II

AP CALCULUS**GRADES 11-12****1.0 CREDIT**

Calculus will cover the same topics in various degrees of difficulty. It starts with a review of coordinates and graphing of lines and circles. Then some time is spent on functions and limits. Four chapters are spent on the most important topics in calculus: differentiation and integration (and their applications). Logarithmic and exponential functions are studied, as well as inverse trigonometric functions with the goal of learning how to differentiate and integrate them.

Students who complete this course have the opportunity to take an A.P. exam and potentially earn college credits. Requirements for taking the A.P. Exam will be determined on a student-by-student basis. It should be noted that the expectations and demands placed on students will be high.

Prerequisite: Trigonometry

MUSIC

CHOIR**GRADES 9-12****1.0 CREDIT**

Choir is open to any high school student with a desire to sing and learn literature from all eras of musical history. There are five required concerts: Veteran's Day Program, Christmas Concert, POPS Concert, Spring Concert and Marawood Conference Choral Festival. There are extra opportunities including the school musical cast and crew (cast requires audition), Glee Club "Imprint" (requires audition), anthem choir, solo & ensemble, community recital, trips to live concerts/musicals and more.

Proper breathing technique, posture, diction, stage presence, and music reading skills are emphasized in this course. Students will also study different composers and styles of music. Students will learn to work together as a group to attain certain goals. This class will provide a sense of pride not only for the school but also for all students involved. Students will leave Choir with the skills to continue in music education after graduation.

Prerequisite: None

Practical Music Theory I**9th-12th grade****0.5 CREDIT**

This non-performance general music course introduces students, musicians and non-musicians, to the basic building blocks of music: rhythm, melody, key, scales, chords, and simple harmonies. Students will learn to recognize these principles and begin to apply them to piano/keyboard.

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| Practical Music Theory II | 9th-12th grade | 0.5 CREDIT |
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This course continues from Practical Music Theory I with more complex applications of harmonies, composition, and basic piano proficiency skills. Other music related subjects such as conducting, musical score reading, and college preparation are presented based on the interests of the individuals in the class.
Prerequisite: must have completed and passed Practical Music Theory I

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| World Music Exploration I | 9th-12th grade | 0.5 CREDIT |
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No musical background is needed. This course will require you to become an ethnomusicologist while gaining exposure to and looking at musical examples from the following cultures: Various European countries, Central America, Brazil, Cuba, & Africa. Students will also do recorder playing & bucket drumming as part of the course.

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| World Music Exploration II | 9th-12th grades | 0.5 CREDIT |
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During this course you will continue to grow as an ethnomusicologist and study music from around the world including China, Russia, Polynesia, Australia, and more. Students will be expected to explore music by listening to examples, studying the song's use of the elements of music, and how it relates to the world around you. Students will complete a project based on folk music from a particular country/ethnic group of their choice.

Prerequisite: World Music Exploration I or teacher approval.

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| Independent Study: Band | 9th-12th grades | 0.5 CREDIT |
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This is for students in grades 9-12 who cannot fit the scheduled band class into their schedule due to various conflicts. Students will work on the same band music as the other students, and will perform with the band at concerts, festivals, pep band, marching, etc. Students who played in past years but haven't in recent years are welcome to start again!

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| Independent Study: Music & Me | 10-12th grades | 0.5 CREDIT |
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Do you have a love of music? Do you have a musical specialty? Do you just want to learn more about a specific area in the world of music? In this Independent Study of Music, students who have already demonstrated success in prior music classes will have an opportunity to further investigate an area of music that interests them. Students will create a learning goal and design their learning plan for the semester, with teacher approval. From there, students will work on their independent learning plan, share their progress with classmates, and present their results to a small audience. Ideas include (but not limited to): learn an instrument, composing, conducting, music history, jazz history, music in cinema, research, music therapy, jobs in music and more. *Students must be able to work independently.*

NOTE: Students should be enrolled in a performance class (band and/or choir). Enrollment with teacher approval only. May be taken more than once with a different musical emphasis.

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| Basics of Music | 10-12th grades | 0.5 CREDIT |
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In this class, students will explore basic musical concepts including notes on the treble clef, rhythms, and reading music. Students will explore playing music instruments including recorder, instruments, piano, bucket drumming, and more. *Students must be able to work alone and in small groups.*

Band is open to any high school student, who has the desire to play an instrument and use creative skills. Although students usually learn to play an instrument during the elementary school years, any high school student has the ability to learn to play an instrument.

The Prentice Band Program consists of the following groups:

SYMPHONIC BAND - Performs at concerts and programs during the school year, and also performs with conference schools at the Large Group Music Festival each spring.

MARCHING BAND - Performs in area parades such as the Prentice Progress Day Parade and the Ogema Christmas Tree Festival Parade.

PEP BAND - Performs at home varsity football games, volleyball, and boys' and girls' basketball games. The pep band also performs at Madison if one of the basketball teams makes it.

JAZZ BAND - Performs at concerts and programs during the school year. It may perform at the Conference Solo/Ensemble Festival each spring.

OTHER ENSEMBLES are organized as needed for musicals or for performing at special occasions

PHYSICAL EDUCATION

One and a half Physical Education credits (1.5) are required for high school graduation.

The emphasis of each class is to enhance a physically active lifestyle. Students will be introduced to a wide variety of activities, and they will receive instruction on how to develop the basic skills in each. The purpose of the curriculum is to teach students the importance of being physically active, as well as how to develop and maintain an active lifestyle.

PHYSICAL EDUCATION 9

GRADE 9

0.5 CREDIT

The focus of physical education is developing lifetime fitness and a healthy, active lifestyle. In addition to participating in a wide variety of fitness activities, the freshmen will learn how to line dance. Activities that may be offered during freshman physical education include some lifetime leisure sports and activities, and team sports

SENIOR PHYSICAL EDUCATION

GRADE 12

0.5 CREDIT

Seniors who wish to remain active during their school day should consider this elective. Activities include highly competitive team, individual, lifetime, and challenge activities. Students select activities as a class based on individual interests

PHY ED 10/11 PT 1

GRADE 10-11

0.5 CREDIT

Students will explore units of Team Sports, Individual sports, Strength and Conditioning, and Everyday Fitness. The class will also focus on building social skills including teamwork, cooperation, attitude, and discipline.



Students will continue to explore units of Team Sports, Individual sports, Strength and Conditioning, and Everyday Fitness. The class will also focus on building social skills including teamwork, cooperation, attitude, and discipline.

SCIENCE

Three credits (3.0) of science are required for high school graduation. Physical Science 9 and Biology are required courses for all students.

Most 4-year colleges require three (3.0) credits of science (Physical Science, Biology and Chemistry.) Advanced science credits such as Physics are recommended for some majors.

Science 9

GRADE 9

1.0 CREDIT

Science 9 is a freshman science course covering topics that were not covered in Science 8. This course is required for graduation for all freshmen. The following topics are covered in this course: basic chemistry from atoms and molecular structure to chemical reactions and compounds, waves leading into sound and light, electricity, electromagnetism, study of the Earth from core to crust and plate tectonics, study beyond our atmosphere to include our moon, planets, stars, and galaxies. This course involves a great deal of lab work to develop lab skills and better understand science while forming a building block for future science courses. This course will help students become aware of the importance of physical science in daily life.

Required for graduation.

BIOLOGY

GRADE 10

1.0 CREDIT

This course is required for graduation for all sophomores. The purpose of biology is to give students an understanding of living organisms and the fundamental principles that govern their existence. Topics include the chemistry of life, cells and cell division, DNA and genetics, ecology and populations, and human impacts on the earth. This course involves a great deal of lab work to develop lab skills and better understand science while formatting a building block for future science courses. This course will help students become aware of the importance of biological science in daily life.

Required for graduation

ADVANCED PLACEMENT BIOLOGY

GRADE 11-12

1.0 CREDIT

AP Biology is intended to replace the equivalent of a first year college biology course. The class requires a standardized national exam taken at the end of the class at the student's expense. Depending on your test score, colleges grant credit based on their guidelines. The class covers fundamental biological concepts, plant and animal biology and ecology. This is a fast paced class requiring study and work outside of class. The reward for doing well in this class is possible college science credit that all college students will be required to have. This class is recommended for those students serious about college who would like the opportunity to earn science credit in high school. Prerequisites are a minimum of a "B" in both Biology and Chemistry.



In Environmental Science, we will be looking at "hot" environmental issues, and attempting to unravel the nature or causes of these problems and what we can do about them. The first semester involves water quality/ecology, wildlife management with the white tail deer, and endangered species with wolves. The second semester involves human population, air pollution, and energy. This class looks at the issues from a global perspective then narrows down to a local community level, and then focuses on the individual level where students can evaluate their impacts on the environment. With an in depth look into environmental issues students have an opportunity as individuals to contribute to the solution. The class will involve class work and discussions, hands-on lab/field work, watching videos and many local and extended field trips to enhance the students' experience and to connect our learning to the real world.

Prerequisite: Students with the willingness to explore environmental issues and solutions that will help them better the very environment in which we all live in.

CHEMISTRY**GRADES 11-12****1.0 CREDIT**

Chemistry is a one-year course which serves as a good introduction for those students planning to take chemistry in college. Chemistry is concerned with the relationship between structure and properties of matter. Unit topics include measuring and calculating, matter, atomic structure, electron clouds and probability, the periodic table, chemical formulas, the mole, chemical reactions, periodic properties, typical elements, chemical bonding and molecular structure. Numerous labs accompany most chapters which help to clarify the material. In the fourth quarter, students will be involved in a qualitative analysis for 2-4 weeks during which they are in the lab every day.

Prerequisite: Algebra I, and two years of Science. Also, may be taken during the corresponding year with Biology if received a B or better in Science 9.

PHYSICS**GRADES 11-12****1.0 CREDIT**

Physics is a full year course which provides an understanding of how the physical world around us really works. Topics covered include the following: motion, energy, sound, light, electricity, magnetism, and relativity. Anyone planning to attend college should take this course in order to be competitive. The course is geared to the needs and desires of each individual class.

Prerequisite: Algebra I and two years of Science

PRINCIPLES OF ENGINEERING**GRADES 9-12****1.0 CREDIT**

This is a Project Lead the Way course that explores technology systems and manufacturing processes. It also addresses the social and political consequences of technological change. This class continues to lead a student to the field of engineering and prepare them for future PLTW courses, technical school or a four-year college. Prepare yourself for the real world and an exciting adventure into engineering.

Prerequisite: None

GARDENING**GRADES 11-12****1.0 CREDITS**

This year-long class goes through the whole cycle of learning how to grow vegetables and fruits in a sustainable way and gain the skills that will allow the student to start or improve their/family's current



garden. You will be able to take home chemical free food when available. We start out learning how to harvest and process food through techniques such as root cellar storage, fermenting, canning, drying, and freezing. In the dormant cold months students will learn how to garden with the aid of a book which the students get for free, and finish off learning how to start plants and planting them. Before school is out students will be able to take home a hanging basket and some plants if they want to plant in their/family garden. Students will also learn how to prune apple trees and grapevines as well as taking a few field trips.

Prerequisite: Any high school student interested in having fun learning how to garden, a lifelong skill and is willing to do manual labor to grow and harvest plants while dealing with the outdoor elements such as rain, sunshine, heat, and bugs, etc.

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| Anatomy and Physiology | Grade 11-12 | .50 Credit/Semester |
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Anatomy and Physiology is an advanced science course with an emphasis on human structure and function. The first semester begins with an overview of human anatomical regions, organ systems, basic biological chemistry, cellular metabolism, DNA structure and function and genetics. The remainder of the first semester and second semester are devoted to body system structure and function including tissues, muscular, skeletal, nervous, digestive, respiratory, circulatory, endocrine and other systems. Labs accompany all units and dissection of the rat and sheep organs is also required. This is a great course for anyone interested in the medical field or interested in the structure and function of the human body. Successful completion of Biology is a prerequisite, completion of Chemistry or concurrent enrollment is suggested.

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| Med-Term | .50/Semester |
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In Medical Terminology courses, students learn how to identify medical terms by analyzing their components. These courses emphasize defining medical prefixes, root words, suffixes, and abbreviations. The primary focus is on developing both oral and written skills in the language used to communicate within health care professions. This is an Enriched or Advanced course.

SOCIAL STUDIES

Three credits (3.0) of Social Studies are required for high school graduation: U.S. History (1.0 credit) and Civics (0.5 credit) are required for graduation.

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| CIVICS | GRADE 12 | 0.5 CREDIT |
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Civics is an introductory course in the field of Social Studies, designed to give the student foundation knowledge in the areas of citizenship and public responsibility. Through a structured format of discussion and activities we will investigate the various levels of government which regulate our society, address the role of good citizenship in the home, school and community, and explore our economic system and our responsibilities as a contributing member of our society.

Prerequisite: None

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| UNITED STATES HISTORY | GRADE 9 | 1.0 CREDIT |
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US History is an introductory course of study which follows the chronological development of the United States. We investigate the social, political, and economic forces which shaped our nation and our history. While a brief review of pre-Civil War events is included, the emphasis is placed on the post-Civil War periods. Units of study include: Imperialism, The Roaring 20's, two World Wars, the Cold War and the Civil Rights Era.



Sociology introduces the student to the study of human groups. Through the use of the various methods of sociology, topics like language, marriage, culture, and structure of societies are covered. Tribes and societies around the world are studied, as are subcultures in America.

Students explore aspects of population density, war, crime, marriage, immigration, mob behavior, riots, and similar topics from the standpoint of how these develop or occur in different societies.

Prerequisite: U.S. History

PRINCIPLES OF AMERICAN BUSINESS**GRADES 10-12****0.5 CREDIT**

Principles of American Business is a one-semester course introducing students to the American Free Enterprise System. The emphasis is on practical, common sense explanations of how the U.S. trade system works. The course covers money, credit, banking, competition, and other areas of economic activities.

Prerequisite: U.S. History

MODERN WORLD HISTORY**GRADES 11-12****0.5 CREDIT**

Students will study major turning points that shaped the modern world, from WWI through the present. They trace the rise of democratic ideas and develop an understanding of the historical roots of current world issues, especially as they pertain to international relations. Students develop an understanding of current world issues and relate them to their historical, geographic, political, economic, and cultural contexts. Students consider multiple accounts of events in order to understand international relations from a variety of perspectives.

Prerequisite: U.S. History

INDIVIDUALS IN SOCIETY**GRADES 11-12****0.5 CREDIT**

Individual in Society is a course designed to help students explore why humans behave as they do. Students in part are graded on written papers, class projects and discussions. In the first section of this class, students will investigate the process of learning. Emphasis will be placed on how we learn and on ways each individual can become a more efficient student. Using learning as a foundation, the student will study popular theories of how people "grow up." This information, through discussion, is applied to everyday situations of the student.

Prerequisite: U.S. History

WORLD HISTORY**GRADES 10-12****1.0 CREDIT**

This is a social studies course introducing students to the history of many civilizations and peoples. This course begins with the early prehistoric people and concludes in the 19th century. The geographic areas of these civilizations include Asia, Africa, Europe and the Americas. Reading comprehension and research skills are important in World History, since the course requires book reports. Essay questions are an important part of each chapter test.

Prerequisite: U.S. History

TECHNOLOGY EDUCATION & ENGINEERING

COMPUTER AIDED DESIGN (CAD)

GRADES 10-12

0.5 CREDIT

Architectural Design

This course introduces basic drafting and design practices used in residential and light commercial buildings. Topics include floor plans, foundations, details, electrical components, elevations, and dimensioning practice. The course will use the web based program *Sketch-up* to develop projects that include a cabin, residential home, small office building, a dream home and a set of working drawings of the students own home.

Mechanical Design

Interested in engineering or design as a career? Do you like working with computers? If so, then the Computer Aided Design (CAD) class is what you need. With the *Autodesk Fusion 360* program, you can design 3D models of complex parts, find their engineering properties, and create dimensioned detail drawings. Then, you can combine the parts into assemblies along with standard components from a built-in library. Assemblies can be animated to study their motion and to check for part interference. Students will also learn how to create prototypes and projects on a dual extruder 3D printer.

Prerequisite: None

ADVANCED CAD

GRADES 11-12

1.0 CREDIT

Autodesk Inventor

A continuation of the Mechanical Design aspect of CAD. Students will work through an NTC curriculum along with video tutorials from *Solidprocessor* software to complete the required projects for NTC credits. Students will also be expanding their knowledge of implementing CAD to use various CNC Machines including laser/engraver, 3D printers, router, milling machine, and plasma cutter.

Prerequisite: Computer Aided Design- teacher approval

Dual Credit available through NTC.

FAB LAB and CAD

GRADE- 12

1 CREDIT

FAB LAB and CAD class is the culmination of years of work learning the various CNC machines and CAD programs used to operate each machine. Students will be given the opportunity to further their knowledge in a specific area of the FAB LAB. 3D printers, Laser/engraver, milling machine, router, and plasma cutter are all CNC machines available for student lead projects. Students must be self motivated, problem solvers, and leaders while completing this class.

Prerequisite: CAD, Advanced CAD, Teacher Approval

INTRODUCTION TO TECHNOLOGY EDUCATION

GRADES 9-12

1.0 CREDIT

This is an introductory course which provides the student with a broad understanding of industry to help the student choose a further area of specialization. The units that will be covered are small engines, CAD, 3D printing, woodworking, and welding. Hand and power tools will be used in order to complete projects and



practice exercises required throughout the course. The course will cover general safety and career explorations as well. This course is a prerequisite to most other Technology Education courses and is open to all students at any grade level.

Prerequisite: None

MACHINE WOODWORKING**GRADES 10-12****1.0 CREDIT**

Machine Woodworking introduces students to the various kinds of woods used in industry and offers experience in using selected woodworking tools. Correct and safe use of tools and equipment is emphasized. Students will design and construct one or more projects and develop skills to safely use power tools in the workshop and become familiar with various kinds of wood-finishing materials.

Prerequisite: Introduction to Technology Education

INTRODUCTION TO CARPENTRY**GRADES 11-12****1.0 CREDIT**

Introduction to Carpentry will introduce students to the tools and techniques needed to construct and renovate residential buildings and outbuildings such as garages and sheds. Students will use hand and power tools to learn the different practices used in construction and the importance of working together.

Prerequisite: Machine Woodworking-Teacher approval

WELDING I**GRADES 10-12****1 CREDIT**

All things welding and metal fabrication will be covered during this class including different welding process, metal cutting, welder parts, safety, fabrication equipment, and an introduction to CNC machines. Blueprint reading and measuring will also be covered in this class.

Prerequisite: Introduction to Technology Education

WELDING II**GRADES 11-12****0.5 CREDIT**

A variety of welding skills will be taught including SMAW or stick welding, GMAW welding or MIG, and aluminum welding using GTAW or TIG. Print reading, cutting and preparing the metals for fabrication will be incorporated into this project based course. This would be a great class for starting a career in welding or just for repairs around the home. This course uses curriculum from NTC in order to receive dual credit.

Prerequisite: Introduction to Technology Education, Welding I

Dual Credit available through NTC.

MACHINE SHOP**GRADES 11-12****0.5 CREDIT**

Machine Shop is an introductory course in the use of various tools and machines in the metal-working lab. The students will be involved in making projects on these machines: Computer Numerical Control (CNC) mill. Metal lathe, drill press, vertical and horizontal mill, tool grinder, and metal cutting band saw. They will be engaged in the use of hand tools, sharpening bits, and other basic operations of a machine shop. The students will be able to read blueprints and measure accurately.

Prerequisite: Introduction to Technology Education

**BUILDING TRADES/METAL
FABRICATION****GRADES 11-12****2.0 CREDIT**



This course will utilize major construction projects (possibly off campus) to reinforce the concepts of residential building construction. Units to be covered will include rough framing, roofing, electrical, drywall, and finish carpentry. Other projects may include construction of small sheds and buildings, garages, decks, etc. Students will be exposed to the technical aspects, techniques, and skills required in the construction field. Safety, business practices/ethics, and career opportunities will be part of the curriculum.

The Metal Fab course is designed to allow the student to design and fabricate metalworking projects. The class will include fabrication of metal projects using; welding, foundry, machining, sheet metal work, CAD, and CAM. This would be a great course for students interested in advancing their skills in any of the metalworking areas.

Prerequisite: Intro to Technology Education, Machine Woodworking, Welding, Machine Shop-

Recommended- CAD

MENTOR PROGRAM

The mentor program is done on a volunteer basis. Mentors are juniors or seniors in good academic, attendance, and behavior standing. High school students will be paired with elementary and middle school students to form a positive relationship and to help students in need with academics and social skills.

Mentors must complete training with the school counselor at the beginning of the school year. Students will be closely monitored and must keep a weekly log. An entry must be made into the log every week. High school students will meet with the school counselor monthly to discuss how things are progressing. Mentors will also be required to attend three board meetings and present at one of them during the school year.

The goal of this program is to help meet the needs of students who may be struggling academically or socially. It is important that the student attends school on a regular basis. The younger students involved need stability rather than inconsistency. This program requires that mentors meet with their mentees weekly for 20-30 minutes per visit.

Prerequisite: Acquire prior approval from guidance, the teacher involved, enrolled in 6 credits of other courses, and have the necessary credits for graduation (if a senior or junior).

Student Assistant

A student is able to learn while he/she earns a half-credit as teacher aide for a specific class hour of the school day. Student assistants must be in good academic, attendance, and behavior standing in all other classes to be able to participate. Assignments include assisting a teacher (for example, shop, home economics, IMC, etc.) with preparing bulletin boards, filing, typing lists, running errands within the building, setting up labs, clean-up, assisting students, etc. The student must have a positive attitude, be able to work independently, follow teacher instructions closely, assume responsibility, and show initiative. This is a great opportunity to get some work experience. An application form must be completed and signed by the teacher and student, and approved by the school counselor and high school principal prior to the first class.



Prerequisite: Acquire prior approval from the school counselor, the teacher involved, the high school principal, must be enrolled in 6 credits of other courses, and have the necessary credits for graduation (0.5 credit for the school year)

INDEPENDENT STUDY PROGRAM

This program is available to students who wish to pursue a particular subject in order to increase their knowledge and competence in that field. This program requires the students to work largely on their own, however with regular consultation with a supervising teacher who monitors the student's progress. The student will prepare assignments and projects and turn them into the instructor to be corrected. Students are expected to progress at their own pace but do have to meet specific expectations that are detailed on an independent study form before the course is approved. This form must be completed jointly by the teacher and student and approved by the school counselor and the high school principal prior to the first class.

Prerequisite: Student must be enrolled in a minimum of 5 1/2 credits excluding independent study course.

Credit: 0.5 credit per course

ADVANCED PLACEMENT (AP)

Advanced Placement (AP) is a program which originated with the College Board and Princeton University. Through AP, the College Board developed course curricula which would provide able students with academic challenge and college level material and preparation. With AP courses students can earn actual college credits (at most universities) while still attending their local high school. However, collegiate recognition of those credits is solely dependent upon AP Tests prepared by the Educational Testing Service and taken, in May, by the student. Those students with acceptable scores are accorded college credits based on their test performance and criteria established by the individual university they plan to attend. Presently, about 90% of the universities in the United States accept AP credit.

The advantages, to the students capable of AP level work, are multiple. Whether you choose to take the AP test or not, your high school transcript will reflect your pursuit of the highest level of academic challenge available. This is viewed favorably when college admission is being considered. Those, who successfully complete the AP exam, receive college credits (usually between 3 and 8 credits) without the cost of tuition, books or the use of valuable time. Finally, AP students can be confident they are well prepared for college level work. The district will subsidize the cost of the AP exams as follows: The first AP exam is paid for, in full, by the student. Cost of subsequent exams, taken during the same academic year will be determined by the school district.

If you are interested in AP course work see the School Counselor for further information.

WISCONSIN YOUTH APPRENTICESHIP

Wisconsin's Youth Apprenticeship Programs offer opportunities for juniors and seniors in high school to explore a career while still in school.

The two-year Youth Apprenticeship Program integrates school-based and work-based learning to provide students with academic and occupational skills leading to both a high school diploma and a Certificate of Occupational Proficiency in a specific industry.



Youth apprentices will receive training and instruction in an occupational "cluster" which includes an array of occupations within an industry. Training will be provided through technical instruction at the local high school or technical college and work based learning at a single company or several different companies in the community. Work experience will be approximately 10 hours per week during the junior year, a summer work experience and approximately 15 hours per week the senior year. Students will be paid an entry level wage. Wage increases may be granted based upon successful performance. Good attendance is a must. Specifics in accordance with state attendance guidelines will be discussed at the beginning of the apprenticeship.

Interested students should contact the School-To-Work Coordinator during their sophomore year. An application process will be followed including employer application and interviews. Students enrolled in the Youth Apprenticeship program will not be allowed to be a teacher aide.

Career clusters offered:

- Agriculture, Food and Natural Resources
- Architecture and Construction
- Finance
- Graphic Arts - Printing
- Health Services
- Hospitality, Lodging and Tourism
- Information Technology
- Manufacturing
- Science, Technology, Engineering and Math
- Transportation, Distribution and Logistics
- Welding

SCHOOL-TO-WORK

Do you have a career goal in mind? Have you ever wondered what your choice of career might be like in "real life"? Would you like some practical on-the-job experience? If so, school-to-work may be for you.

There are some things you need to know and some things you **must do**. They are:

1. This works out best for everyone concerned if you have a 1st or 8th hour study hall. However, it is possible to do this other hours as well, including before or after school.
2. This is open to any junior or senior demonstrating desire and/or need.
3. You must apply during the second semester of your sophomore or junior year for a first semester placement in your junior or senior year. Those students interested in a second semester placement must make a written application prior to the end of the first quarter of their junior or senior year.
4. In a small community, such as ours, jobs are limited. Every effort will be made to find an employer willing to provide a job site for you to work at, however, there are no guarantees. You may be able to help yourself and us by making some "connections" yourself--perhaps you know someone we do not know who might be interested in providing a job for you. If so, this would be great! Let us know and we'll work with your connection to help to secure an approved job training site for you.



5. Credit for one semester is the same as it would be for any other class you take. A wage may be earned, but it is not guaranteed. **To receive credit you must not miss more than 5 days per semester without written excuse from a doctor.**
6. You will be required to sign an agreement which spells out your responsibilities. This agreement will be signed by your parents/guardian, the school, and your work supervisor.
7. We must follow the child labor laws and quite frankly those over the age of 18 are most easily placed in jobs. There are, however, jobs of a less risky nature and those under age 18 may be placed and we will do our best to work this out for you.

Prerequisite: Approval by School-To-Work Coordinator after application

Credit: 0.5

Northcentral Technical College Academies

Academies provide students the ability to earn college level credit through the “Start College Now” program by taking part in different certificates that ladder into Associate and/or Technical Programs at Northcentral Technical College. Students typically complete 11-16 course credits for each program. Please see the Course Scheduling Guide for a description of each of the programs. The grades earned will count towards, and affect, collegiate level GPA. Students enrolled in collegiate level courses must meet the course standards provided by college including course withdrawal timelines, course syllabus timelines, and standards. A high school student participating in the Start College Now program must continuously meet the enrollment and academic program participation requirements applicable to the awarding of a high school diploma by the district. Transportation to and from any course(s) taken under this policy shall be the sole responsibility of the student’s parent or guardian. The district shall pay costs for the courses successfully completed to the extent required by state law and the Wisconsin Department of Public Instruction. Students and parents will be charged and required to pay costs and fees for a course to the extent permitted by law.. [Here is a list of possible academies.](#)

- Eligibility: 2.5 GPA minimum, students may not have two or more unexcused absences from the current or previous school year, completed 11th grade with all requirements met, including a minimum of 13 high school credits completed toward graduation by the end of the high school semester in which the student gives notice of his/her intent to enroll in Academy Program, appropriately and timely completed NTC Academy Application with approval from alternative learning team (principal, guidance counselor, admissions officer, district administrator, and school board) by March 1 if the student intends to enroll at the technical college in the subsequent fall semester, and by October 1 if the student intends to enroll in the subsequent spring semester. The academy should fit into the student’s academic and career plans.
- Failure of Successful Completion: failing grade in the course(s), removal from the program, revocation of future optional Alternative Learning Experiences, students/parents/guardians responsible for cost of program tuition and fees, referral for truancy proceedings if necessary.

The district shall deny a resident student’s application to attend a course(s) in another educational institution if:

- The student’s application was not submitted in the manner and within the time limits established by state law
- The course conflicts with the student’s individualized education program (IEP)



- The costs related to any special services required for the student would impose an undue financial burden on the district
- The course does not satisfy a high school graduation requirement
- The course repeats the course content for which a student has already received a passing grade and high school credit
- The course repeats the content of a postsecondary course that the student has already taken and failed
- The student is enrolled in a home-based private educational program, is a resident of the district who is a private school student, and/or are a nonresident student participating in the part-time open enrollment program, even if they are taking or have taken individual courses in Prentice High School
- The college district board has denied a high school student admission to the college, or registration in a specific course, for any of the reasons provided in state law, including the college's determination that the student has an unacceptable record of disciplinary problems.

High School Credit Online

Students may take online courses through Odysseyware and/or Rural Virtual Academy for high school credit when courses are not options provided in person by the Prentice School District. Options for these classes should be determined by the school Guidance Counselor. Grading will be calculated based on both the percent (grade) in the course and the percent complete in the course. Students behind the current course completion schedule, may have privileges revoked such as recess, general study hall, etc. Students may participate in no more than 2 alternative learning courses per semester.

- Eligibility: 2.5 GPA minimum, appropriately and timely completed contract approved by alternative learning team (principal, guidance counselor, alternative learning coordinator) in the subsequent semester.
- Failure of Successful Completion: failing grade in the course, removal from the program, revocation of future optional Alternative Learning Experiences, students/parents/guardians responsible for cost of program.

TECHNICAL COLLEGE COURSES

Certified instructors teach these courses from NTC (Northcentral Technical College), MSTC (Mid-State Technical College) and CVTC (Chippewa Valley Technical College) using technical college books and materials. Students receive regular technical college credit upon completion of the course(s). Upon successful completion of the course, students will receive an official transcript with grade and credit(s) recorded at the technical college. Students enrolled in technical college courses will also receive high school credit (dual credit).

These courses are of college level integrity and rigor. Courses will be taught on the technical college calendar as stated in the course syllabus. Absences due to conflicting high school activities must be pre-arranged with the instructor, and students will be responsible for any missed work.

All students will need an email address for technical college classes.

All high school student registrations must be submitted on the "High School Registration Form" with appropriate signatures and recommended form where applicable.



****Are you wondering how your Technical College course might transfer into one of the UW-System campuses? You can look up specific courses and campuses at this website: www.uwsa.edu/tis/. The Transfer Information System (TIS) is managed by the University of Wisconsin System and developed in conjunction with the Wisconsin Technical College System.**

Course not offered during the 2024-2025 school year.

FAMILY LIVING

HOUSING AND INTERIOR DESIGN

GRADES 10-12

0.5 CREDIT

Learn about different types of housing and the elements and principles of design. Students will design their dream house as well as testing out being a designer for hire, and putting together designs for a client. An introduction to the wide variety of housing available to today's consumer is provided in this course. Specific instruction is included in determining housing needs, selection of the best housing to meet those needs, and the important fields of financing and protecting one's investment in property through insurance. A historical view of home styles and basic home construction/systems will be explored. Semester 2 will be a thorough study of principles and elements of design and will proceed the designing of floor plans and wall elevations for a hypothetical family's home. Projects will include kitchen design, decorating the home along with furniture and appliance selection.

Prerequisite: None

ADVANCED BAKING & PASTRIES

FAMILY FOODS

GRADES 9-12

0.5 CREDIT

Family Foods is the course to take if you plan on cooking for your family. Students will learn about canning foods that are grown in the garden, as well planning and eating healthy meals. Students will also learn about the six types of cookies. This class will focus on meal planning, budgeting, and shopping decisions. Students will also plan and prepare meals made in a microwave

FOODS AND NUTRITION

GRADES 9-12

0.5 CREDIT

The main focus of the course will be on educating students on how to make healthy choices that lead to a healthy lifestyle. A major emphasis is placed on good nutrition and following food/nutrition guides. Other topics include but are not limited to: Sports nutrition, Diets, Eating Disorders, Nutrients, Nutrition Labels, and related careers. Multiple basic cooking labs are built into the course.



EDU: CHILD & ADOLESCENT DEVELOPMENT GRADES 11-12

0.5 CREDIT

This course provides an overview of physical, motor, perceptual, cognitive, social/emotional and growth and development birth through adolescence. Analyzes social, parental, cultural, brain, and economic influences on development.

Prerequisite: None

NTC Course Offerings for Dual-Credit

EDU: INTRODUCTION TO ED PRACTICES GRADES 11-12

0.5 CREDIT

Analyzes preK-12 education in the United States, determine roles and responsibilities of school personnel, and explore current trends and best practices. Learners identify how students learn and the foundations of lesson planning. Analyze assessment strategies, classroom management, and techniques for supporting learners.

Prerequisite: None

NTC Course Offerings for Dual-Credit

EDU: TECHNOLOGY IN EDUCATION GRADES 11-12

0.5 CREDIT

Develops the knowledge and skills to use trending classroom technologies and gain experience creating and using web tools including portfolios. Learners create presentations for educational environments and ISTE standards.

Prerequisite: None

NTC Course Offerings for Dual-Credit

EVENT PLANNING & DESIGN GRADES 10-12

0.5 CREDIT

Students will explore the world of event planning. We will look at entertainment and catering for each event and analyze the best way to plan each one. We will also work to design different items that can help us better put on our events. You will learn different projects to make on the Cricut machines (vinyl on t-shirts, repurposing, blankets, signs, etc.) The options are limitless! Offered opposite semester of Advanced Foods.

Prerequisite: Intro to FACS

ADVANCED PLACEMENT WORLD HISTORY GRADE 11-12

1.0 CREDIT

GEOGRAPHY GRADE 10-12

1.0 CREDIT

This geography course covers much of the world, including the United States. Each unit involves the structure of a textbook and the flexibility of self-directed projects. While working on the unit projects the student will explore the 5 themes of geography: location, region, movement, place and human environment.

Prerequisite: None

PHOTOSHOP (Dual Credit)



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| TEAM SPORTS | GRADE 10-12 | 0.5 CREDIT |
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This class will focus on team building, competition, lifetime activity, and sportsmanship through team sport activities. Some activities covered in this class will be basketball, volleyball, soccer, speedball, ultimate Frisbee, floor hockey, and flag football.

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| INDIVIDUAL/DUAL SPORTS | GRADE 10-12 | 0.5 CREDIT |
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This class will focus on sportsmanship, competition, recreation, and lifetime skills through individual sport activities. Students will cover rules, strategy, knowledge, and skill in badminton, cross country skiing, ping pong, tennis, pickleball, archery, individual fitness and golf.

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| STRENGTH AND CONDITIONING | GRADE 10-12 | 0.5 CREDIT |
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This class will focus on fitness components, proper weight training techniques, and lifetime physical fitness. Students will learn basic anatomy, health, and physical fitness through activities in this class. Students will participate in weight training, aerobics, fitness walking, running, and other fitness activities. Students will learn to set goals and develop fitness programs.

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| EVERYDAY FITNESS | GRADE 10-12 | 0.5 CREDIT |
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Students will focus on fitness activities that they can complete on their own. Students will cover strategies and knowledge in yoga, hiking, walking, jogging, biking, and other daily fitness activities.

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| DO IT YOURSELF (DIY) | GRADES 9-12 | 0.5 CREDIT |
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This course is open to all students, especially those not skilled in the industrial technology area. The focus of this course is to explore and construct simple projects using everyday tools such as hammers, hand saws, drill press, screwdrivers etc. Students who have a desire to complete “do it yourself” projects, but have little to no experience in the shop are encouraged to enroll. Students will review and apply measurement skills while completing projects. The goal of this introductory course is to develop confidence in the use of household tools. Project ideas are (but not limited to) birdhouses, decorative shelves, simple 3D printer projects, etc.

Prerequisite: None

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| A.P. Language & Composition | GRADES 11-12 | 1.0 CREDIT |
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A.P. Language & Composition is a writing-heavy elective English course recommended for advanced students who are planning to go on to college. The course will include an advanced study of grammar and usage, a thorough discussion of at least one novel, a variety of writing assignments that facilitate an in-depth study of rhetoric. This course is designed to benefit students in future educational endeavors as well as to prepare for the A.P. Language & Composition Exam, where students can potentially earn college credits.

A.P. Language & Composition begins with an in-depth study of the rhetorical triangle: ethos, logos, and pathos-examining how communicators build credibility, tap into emotion, and logically construct arguments. In addition to learning to identify when communicators use rhetorical techniques, students in A.P. Language & Composition will learn to use such techniques themselves.

Since students have the potential to earn college credits in this class, the expectations and demands placed on students will be much greater than those in English 11 or English 12, and this may have an impact on grades as well. Students are reminded to consider this before they enroll. Requirements for taking the A.P. Exam will be determined on a student-by-student basis. It should be noted that the expectations and

demands placed on students will be high.

Prerequisite: English 11, AP Literature & Composition, and/or Permission from Instructor

***All students who take A.P. Literature & Composition as juniors are REQUIRED to take A.P. Language & Composition as seniors unless alternate permission is granted by the PHS English Department.**

SPANISH III**GRADES 11-12****1.0 CREDIT**

Spanish III offers students the opportunity to improve their skills as Spanish speakers, which in turn can open doors to future careers and travel experiences. Students continue to build Spanish fluency through speaking, listening, reading and writing in Spanish. All students who complete Spanish II are encouraged to enroll in Spanish III. Students who plan to enroll in college and have completed Spanish III are encouraged to seek retroactive college credit for their high school Spanish language experience. Previous students have been awarded up to 14 college credits for the knowledge gained in Spanish 3.

Prerequisite: Successful completion of Spanish II

SPANISH IV**GRADES 11-12****1.0 CREDIT**

Spanish IV builds on the Spanish Language fluency skills that students gained in Spanish III for the purpose of communicating with Spanish speakers in future careers and travel experiences. Students continue to build Spanish fluency through speaking, listening, reading and writing in Spanish. All students who complete Spanish III are encouraged to enroll in Spanish IV. Students who plan to enroll in college and have completed Spanish IV are encouraged to seek retroactive college credit for their high school Spanish Language experience. Previous students have been awarded up to 14 free retroactive college credits for the knowledge gained in Spanish 4.

Prerequisite: Successful completion of Spanish III

CALCULUS (DUAL CREDIT)**GRADES 11-12****1.0 CREDIT**

Calculus will cover the same topics in various degrees of difficulty. It starts with a review of coordinates and graphing of lines and circles. Then some time is spent on functions and limits. Four chapters are spent on the most important topics in calculus: differentiation and integration (and their applications). Logarithmic and exponential functions are studied, as well as inverse trigonometric functions with the goal of learning how to differentiate and integrate them.

This is an essential and advantageous class for students who are college-bound and are pursuing mathematics. It is equivalent to the first semester of college calculus, but is taught in one year. This is a dual credit course with NTC. Students that pass this course with a C or better for the year will receive 4 NTC math credits, which transfer to all UW system colleges as college level Calculus 1.

Prerequisite: Trigonometry

***NTC Course**

