

# UNITY HIGH SCHOOL COURSE HANDBOOK



2024-2025

Revised January 2024

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# AGRICULTURE

(Classes with an “\*” indicate dual credit standing at CVTC campuses)

## **FARM 2 SCHOOL**

**Course # 1150**

**Elective 9—12 / Trimester / .5 credit**

Students will experience how to grow their own food in the Farm 2 School class. Lessons will focus on the planting, harvesting, and seasonal planning involved with the Farm 2 School crops that are grown right here on campus! This class has many hands-on opportunities such as composting, gardening, daily maintenance of fork farm hydroponic towers, monitoring an aquaponics system that raises fish and plants, and time in the school greenhouse raising produce. An emphasis will be placed on sustainable agriculture and best management practices when it comes to growing your own fresh produce. This class will provide students with lifelong skills that they can use to successfully grow their own food at home.

## **ANIMAL SCIENCE\***

**Course # 1135**

**Dual Credits through CVTC**

**Elective 9—12 / Trimester / .5 credit**

This trimester course will provide hands-on activities and applied science concepts as they relate to Animal Science. Animal Science is your chance to make decisions like a doctor, nurse, or veterinarian while you're still in high school. Students will investigate scientific concepts related to the biology of domestic animals. Issues covered will include the scientific method; taxonomy and classification; biological systems; anatomy and physiology; nutrition and genetics of livestock animals. Laboratory experiences will include problem-solving through practical application. Emphasis is also given to livestock and dairy evaluation. In this class, you will be treated like a veterinary student and you will learn to diagnose and treat actual diseases and disorders. This is an ideal class for anyone who wants a career in a medical, science, or agricultural field. This course is offered as dual credit through Chippewa Valley Technical College.

## **FOOD PROCESSING**

**Course #1137**

**Elective 9—12 / Trimester / .5 credit**

Are you curious about how your food is grown? Do you enjoy cooking and preparing different food recipes? This trimester course will discuss food production and processing techniques utilizing hands-on activities and applied food science concepts. Topics will include production and processing of agricultural produce. A variety of processing methods will be used from dehydration, preservation, freezing, fermentation, and butchering techniques. Safe food handling and preparation is emphasized throughout the trimester through food labs and demonstrations.

## **FORESTRY**

**Course #1140**

**Elective 9—12 / Trimester / .5 credit**

Do you enjoy the outdoors? Do you have a passion for the environment? In this class, we learn what we can do to protect and enjoy the natural world while creating an emphasis on the forestry industry. Topics to be included in the Forestry class are forestry basics and scope, forest ecology, tree study, land and forest product measurements, the forest and its environment, civil culture practices, artificial reforestation, economics of resource management, wood characteristics identification and uses, harvesting and manufacturing forest products, wood preservation, fire in the forest, insects and diseases, and wood as an energy source. This is an ideal course for anyone with an interest in the outdoors or the environment. Utilization of the school forest stand will be used in maintaining and upgrading the current facility.

## **SMALL ANIMALS & HORSE CARE**

**Course #1143**

**Elective 9—12 / Trimester / .5 credit**

Learn how to keep your pets happy, healthy, and safe with actual animals visiting the classroom. You will learn how to perform life saving procedures such as CPR and artificial respiration, make diagnoses, and analyze diets and nutrition. You will learn how to bandage an abrasion, stitch a wound, and address any major medical emergency. You will understand what it takes to effectively care for dogs, cats, horses, and other animals in various situations. Topics covered in this class include the small animal industry, pet ownership trends, animal rights vs. welfare, feeding, breeding, general health, species/breed identification, and breed characteristics. This is an ideal class for anyone who loves caring for animals or who wants to pursue a career in a medical field. This class involves opportunities to work with live dogs and cats as well as various other species.

## **WILDLIFE MANAGEMENT**

**Course #1144**

**Elective 9—12 / Trimester / .5 credit**

Dive into wildlife management class and experience hands-on labs such as assessing the biodiversity of the school forest habitat area to performing water chemistry tests on local streams. Students will explore the main causes of species extinction while investigating methods to protect the biodiversity of Earth's fragile ecosystems and ensure that we can continue to enjoy outdoor recreation for generations to come. Topics to be included are ecology basics; ecology of animals, birds, fish, reptiles, amphibians, wildlife and fisheries management concepts will be discussed. Learn to identify various species of Wisconsin's wildlife. This is an ideal course for anyone with an interest in the outdoors or the environment.

## **YOUTH APPRENTICESHIP**

**Course #1199**

**Elective 11—12 / Trimester / .25 credit**

Youth Apprenticeship integrates school-based and work-based learning to instruct students in employability and occupational skills defined by Wisconsin industries. Local programs provide training based on statewide youth apprenticeship curriculum guidelines, endorsed by business and industry. Students are instructed by qualified teachers and skilled worksite mentors. Students are simultaneously enrolled in academic classes to meet high school graduation requirements, in a youth apprenticeship related instruction class, and are employed by a participating employer under the supervision of a skilled mentor.

## **(IS) AGRICULTURE**

**Course #1147**

**Elective 12 / Trimester / .5 credit**

The following areas may be studied: natural resources, leadership, plant science, and animal science. Only seniors who have INSTRUCTOR PERMISSION will be allowed in this class. Prior enrollment in an agriculture class is needed.

# **ART**

## **CERAMICS & SCULPTURE I**

**Course #1296**

**Elective 9—12 / Trimester / .5 credit**

These courses are designed for students who have an interest in working with clay and other sculptural materials, and gives students experiences in making functional as well as sculptural pieces, using a variety of techniques. Craftsmanship, functional form, and esthetics is emphasized.

## **CERAMICS & SCULPTURE II**

**Course #1297**

**Elective 10—12 / Trimester / .5 credit**

**Prerequisite: Ceramics & Sculpture I**

Ceramics & Sculpture II is a continuation of the level one course, with increased emphasis on developing a personal direction and focus in sculpture and/or ceramics.

### **CERAMICS & SCULPTURE III**

**Course #1300**

**Elective 10—12 / Trimester / .5 credit**

**Prerequisite: Ceramics & Sculpture I and II**

This course is an advanced ceramics/sculpture class in which students further their skills and build upon techniques learned in ceramics and sculpture I & II. Students explore more challenging concepts and techniques through hand building and advanced wheel thrown forms. Students work more independently on long-term assignments and follow a curriculum, which allows for personal exploration.

### **DIGITAL PHOTOGRAPHY & VIDEO MEDIA**

**Course #1295**

**Elective 9—12 / Trimester / .5 credit**

Join us and explore the world of digital photography and video media! Student emphasis will be placed on the production and analysis of expressive and thoughtful art work. Students will be introduced to the basic technology necessary for the production of digital photography and video production. Photographic vocabulary such as: composition, "rule of thirds", symmetry, balance, and depth of field will be discussed in detail. The artwork and practice of well-known photographers and directors will be examined. Students will also begin to understand and practice production techniques that impact viewer's perceptions.

### **DRAWING & PRINTMAKING I**

**Course #1040**

**Elective 9—12 / Trimester / .5 credit**

This course provides an introduction to the art of drawing and printmaking. The coursework follows a sequence of studies that introduces basic drawing and printmaking techniques through observation of natural, imagined, and manufactured forms. Printmaking techniques will include etching, intaglio, block printing and embossing.

### **DRAWING & PRINTMAKING II**

**Course #1292**

**Elective 10—12 / Trimester / .5 credit**

**Prerequisite: Drawing & Printmaking I**

Drawing & Printmaking II explores in greater depth the techniques, media, and methods of composition that were introduced in level I, with emphasis on the human form.

### **DRAWING & PRINTMAKING III**

**Course #1302**

**Elective 10—12 / Trimester / .5 credit**

**Prerequisite: Drawing & Printmaking I and II**

Drawing & Printmaking III offers students additional coursework to develop greater depth in this studio discipline. This class offers continued emphasis on art history, aesthetics and art production.

### **PAINTING I**

**Course #1041**

**Elective 9—12 / Trimester / .5 credit**

This course is an exploration of painting techniques and concepts designed to expand awareness of painting. Students have the opportunity to work with ink, acrylic paints, water color, and oil pastels. Painting II has an increased emphasis on developing personal direction and focus.

### **PAINTING II**

**Course #1294**

**Elective 10—12 / Trimester / .5 credit**

**Prerequisite: Painting I**

Painting II is a continuation of Painting I, with increased emphasis on developing a personal style and strengthening their technique.

### **PAINTING III**

**Course #1301**

**Elective 10—12 / Trimester / .5 credit**

**Prerequisite: Painting I and II**

Painting III offers students additional coursework to develop greater depth in this studio discipline. Third year students are expected to declare a set of painting goals at the start of the course to begin the process of creating a body of work for portfolio development.

### **PHOTOSHOP & DESIGN**

**Course #1298**

**Elective 9—12 / Trimester / .5 credit**

In this course, the students explore the many ways art skills are used in visual communication. Students will be introduced to the capabilities of the Adobe professional tools such as Photoshop and InDesign. Photo editing, photo manipulation, and photo enhancement will be investigated. The concepts practice of logo design, graphic design, package design, and industrial design studies are included in this class.

### **SENIOR WORKSHOP**

**Course #1303**

**Elective 12 / Trimester / .5 credit**

**Prerequisite: Drawing I, Painting I**

Senior Workshop is a class that students are able to take during their senior year. Students of this class will work on independent projects focused on strengthening their art portfolio. This class is directed at a student that has been in multiple art courses in high school and is willing to showcase a grouping of their work during the week of graduation to the public.

### **(IS) ART**

**Course #1039**

**Elective 10—12 / Trimester / .5 credit**

**Prerequisite: completion of a previous art course series (I, II) with 3.00 GPA**

These courses are arranged with the teacher. Teacher's and administrative approval is required. The requirements for grading follow the same format as scheduled courses.

## **BUSINESS EDUCATION**

(Classes with an “\*” indicate dual standing at Northwood Tech. campuses)

### **NORTHWOOD TECH COMPUTER APPLICATIONS: MS Outlook/MS Word A**

**Elective 9—12 / Trimester / .5 credit**

This course develops foundational skills in the use of Microsoft Office Word features to efficiently and effectively produce business documents. Students will apply Microsoft Word skills to solve practical problems in a project-based format. Explore best practices in document layout, collaboration, tables, reports, desktop publishing basics, themes, sort, styles, and references. It also introduces the basics of Microsoft Outlook. Participants will use e-mail, calendar, files, and other features to effectively manage business and personal information.

### **MARKETING**

**Course #1284**

**Elective 9—12 / Trimester / .5 credit**

This course will provide students with a thorough understanding about the principles of marketing. The course will demonstrate the importance behind marketing oneself in the 21<sup>st</sup> Century and will showcase the value of marketing skills in today's workplace. Students will also learn how to use programs like Photoshop, iMovie, and other media platforms to create a marketing portfolio and build strong 21<sup>st</sup> Century skills.

## **PERSONAL FINANCE**

**Course #3317**

**Required 10 / Trimester / .5 credit**

**Advanced Standing Credits through Northwood Tech.**

Students will focus on learning the fundamentals of becoming a smart consumer. Personal Finance is a dual credit course through Northwood Tech. The course introduces students to money management, taxes, financial services, credit, real estate, insurance, stocks, bonds, mutual funds, retirement planning, and estate planning. Learning to accurately manage personal finances is a life-long skill that students will familiarize themselves with. Students will engage in financial goal setting and obtain a thorough understanding of budgeting within one's means, throughout every chapter of life.

## **YEARBOOK**

**Course #1093 / 3242**

**Elective 11-12 / 2 Trimesters / .5 credit per trimester**

This course will offer students the opportunity to use their computer knowledge, communication skills, team working skills and creativity to create the yearbook. The first trimester will consist of learning the program's software and how to use digital cameras. The second trimester will focus on completion of the yearbook page.

## **NORTHWOOD TECH. FINANCIAL ACCOUNTING I (FORMERLY ACCOUNTING I)\***

**Course #1086**

**Elective 9 —12 / Trimester / .5 credit**

**Dual Credits through Northwood Tech.— 4 credits (Course #10101101)**

Complete accounting cycle, special journals, payroll tax principles, special procedures, and financial statements. Accounting application through practice set approach. The students will have a clear understanding of the accounting process, the accounting cycle, the accounting equation, and how financial statements report the condition of a business.

## **NORTHWOOD TECH. INTRODUCTION TO BUSINESS (FORMERLY INTRODUCTION TO BUSINESS)\***

**Course #1089**

**Elective 9—12 / Trimester / .5 credit**

**Dual Credits through Northwood Tech.—3 credits (Course #10105100)**

This is an introductory course designed to develop an understanding of the activities, functions, and principles of business enterprises. The course helps to gain insight into the responsibilities and challenges of operating a business. Emphasis is on the interaction of the various functions required to operate businesses of all sizes. Specifically, the areas of business trends, ownership models, leadership, human resources, marketing, information management, and finance will be explored.

## **MENTORSHIP IN BUSINESS**

**Course #1092**

**Elective 11-12 / Trimester / .5 credit**

This course is designed to help students deepen their understanding of business. Students will explore nonprofit work, organizational leadership, and explore the importance of business ethics. As a part of this course, students will connect with local business partners to experience mentorship and collaboration. Students will also analyze the changes afoot in the business world and work to understand the affects a business can have on the environment, a community, and employees.

# LANGUAGE ARTS

(Graduation Requirement – 4 credits)

## **AP ENGLISH LITERATURE and COMPOSITION**

**Course #1201**

**Elective 12 / Yearlong / .5 credit trimester**

**Prerequisite: English I-II and instructor approval**

AP English Literature and Composition is organized into nine units that focus on short fiction, poetry, and long fiction and drama. Students will focus on reading, analyzing, and writing about literary works. Associated skill development includes being able to read a text closely and draw conclusions from details, identify the techniques used by an author and their effects, develop an interpretation of a text, present an interpretation and make an argument for it in writing. AP English Literature and Composition culminates with the AP exam held in the spring, which provides students the opportunity to earn college credit based on their exam score.

## **AP ENGLISH LANGUAGE and COMPOSITION**

**Course #1202**

**Elective 12 / Yearlong / .5 credit trimester**

**Prerequisite: English I-II and instructor approval**

AP English Language and Composition is an introductory college-level composition course. Students cultivate their understanding of writing and rhetorical arguments through reading, analyzing, and writing texts as they explore topics like rhetorical situations, claims and evidence, reasoning and organization, and style. The course focuses on the development and revision of evidence-based analytic and argumentative writing, the rhetorical analysis of nonfiction texts, and the decisions writers make as they compose and revise. Students evaluate, synthesize, and cite research to support their arguments. Additionally, they read and analyze rhetorical elements and their effects in nonfiction texts—including images as forms of text—from a range of disciplines and historical periods. AP English Language and Composition culminates with the AP exam held in the spring, which provides students the opportunity to earn college credit based on their exam score.

## **CREATIVE WRITING**

**Course #1008**

**Elective 11—12 / Trimester / .5 credit**

**Prerequisite: English I and English II**

This course is designed for students who enjoy writing and/or want to explore a variety of writing styles and forms. The course begins with the study of useful literary devices and their incorporation into creative writing. Students will write in a variety of forms, such as short stories, poetry, and other fictional writing.

## **ENGLISH I**

**Course #1004/1009**

**Required 9th grade / 2 Trimesters / .5 credit per trimester**

English I explores various forms of literature including fiction, non-fiction, drama, and poetry organized around themes. Students will write argument essays with a focus on organization, the incorporation of strong evidence, and formal writing techniques. Grammar practices will be integrated throughout the two trimesters and various writing tasks will accompany reading tasks.

## **ENGLISH II**

**Course #1005/1010**

**Required 10th grade / 2 Trimesters / .5 per trimester**

English II is a course that allows students to build upon and improve their skills in the areas of reading, writing, speaking, and listening. In this course, students will have the opportunity to refine both their creative writing and research writing skills. Paired with the research writing, students will present an oral presentation to peers demonstrating the specific skills learned during the process. Students will also explore various types of literature, including a novella, drama, and a memoir. Through



these pieces of literature, students will examine the purpose of an author, read and interpret the text, and gain an overall understanding and appreciation of classic texts.

### **ENGLISH III**

**Course #1007/1206**

**Required 11th grade (unless taking AP Literature in 11th grade) / 2 Trimesters / .5 per trimester**

English III is a survey course that covers American Literature from indigenous oral tales to the 1920s. Students read poetry, short stories, informational texts, and novels written by American authors. Reading comprehension, written and oral communication skills, and critical thinking skills will continue to be developed as students prepare for college, technical school, internships, and life beyond Unity High School.

### **GRAMMAR AND WRITING**

**Course #1002**

**Elective 10—12 / Trimester / .5 credit**

Grammar and Writing is designed to prepare students for an advanced understanding of grammar and language in order to support their writing process. The course covers parts of speech, mechanics, usage, and effective writing techniques. Emphasis will be on working toward mastery of grammar and writing conventions. While some of the writing will be creative in nature, much of the content will lean toward professional, academic, and technical writing.

### **LITERATURE THROUGH FILM**

**Course #1200**

**Elective 10-12 / Trimester / .5 credit**

This course will explore, analyze, and critique literature and film. Students will be exposed to a variety of literature and their film adaptations. Students will compare and contrast the portrayal of literary devices in film and literature through class discussion, research, reading, and writing. This course will encourage students to voice and defend their opinions of the media being discussed.

### **LITERATURE IN SPORTS**

**Course #1203**

**Elective 10-12 / Trimester / .5 credit**

This course focuses on closely examining sports through literature. This is a reading, writing, and research-intensive course. Students will explore the histories of various sports, examine sports writing and journalism, and evaluate the role sports have in society today.

### **READ RIGHT**

**Course #0001**

**Elective / Trimester / .5 credit**

This course is designed to help students build fluency and comprehension skills. By learning to eliminate reading symptoms that hinder a reader's understanding of text, students will build confidence, strength and accuracy with their reading. Through small groups and independent goal setting, students will work on reading fluency and comprehension skills at their own pace while focusing on their specific needs as a reader. This course is not available for selection, however, students are recommended for the course based on need by a parent and/or teacher.

### **PUBLIC SPEAKING**

**Course #1021**

**Elective 11-12 / Trimester / .5 credit**

This course provides the opportunity to significantly improve public speaking skills by practicing and delivering speeches in a safe environment with personalized feedback. Students spend an enormous amount of time speaking in front of the class in a wide variety of activities and opportunities. An emphasis will be placed on real-world communication skills and speech preparation, as well as presentation materials and visual aids.

# LEADERSHIP AND CAREER ENRICHMENT

## **FRESHMAN SUCCESS**

### **Course #3315**

**Required 9th grade / 1<sup>st</sup> Trimester / .25 credit**

**(credit will be granted based on satisfactory/unsatisfactory status)**

This course is designed to assist each individual student with developing an individualized long-term plan based on goals related to personal development, career planning, academic achievement and character development. Students will complete formal and informal assessments in order to better understand their own personality type, learning style, academic strengths, weaknesses and aptitudes. Students will use these results to develop a personal profile that will assist them with identifying career clusters best suited to their strengths and interests. Assessment results will also be used to develop an appropriate path through high school that will prepare them for their post-secondary goal.

## **CAPSTONE**

### **Course #3009/3010/3011/3012**

**Required 9<sup>th</sup>-11<sup>th</sup> Grade, 12<sup>th</sup> Grade Optional / Trimester / .25 credit**

**(credit will be granted based on satisfactory/unsatisfactory status)**

This course is designed to offer students an opportunity to develop, design, and produce a project consistent with their interests and abilities. Students will work with various staff members and peers to complete their projects. Throughout the trimester, students will develop soft skills related to the 16 Habits of Mind such as perseverance, thinking flexibly, taking responsible risks, etc... The course will conclude with students having the opportunity to showcase their projects for their peers, staff members, parents and community members in a professional setting.

## **POST-SECONDARY READINESS**

### **Course #3006**

**Required for 12<sup>th</sup> Grade / 1<sup>st</sup> Trimester / .25 credit**

**(credit will be granted based on satisfactory/unsatisfactory status)**

This course is designed to offer 12<sup>th</sup> grade students an opportunity to develop a transition plan from high school to multiple pathways after graduation. Some items that students may complete/explore are college applications, resumés, scholarships, FAFSA documents, job applications, and professional portfolios. Students will also learn about interview skills, college expectations, workplace expectations, and general professional skills.

## **CAREER EXPLORATION**

### **Course #3007**

**Required for 10<sup>th</sup> Grade / 1<sup>st</sup> Trimester / .25 credit**

**(credit will be granted based on satisfactory/unsatisfactory status)**

This course offers 10<sup>th</sup> grade students an opportunity to explore various career pathways through the online learning tool called Career Cruising. Students will begin developing professional portfolios, participate in professional development opportunities, visit various businesses and hear from local professionals, complete an interest inventory, and explore specific careers connected to their interest inventories.

## **ACT PREP**

### **Course #3008**

**Required for 11<sup>th</sup> Grade / 2<sup>nd</sup> Trimester / .25 credit**

**(credit will be granted based on satisfactory/unsatisfactory status)**

Students in this course will experience ACT test taking skills and strategies, specifically, math skills, language skills, reading skills, and science reasoning skills. Throughout this course, students will study and practice listening and note taking techniques, test-taking strategies, questioning and thinking skills, vocabulary development, and information retrieval. Students will also complete all four subtests multiple times throughout the course.

# MATHEMATICS

(Graduation Requirement – 3 credits)

## **ALGEBRA I**

**Course #1051/1281**

**Required 9th grade or Pre-Algebra/ 2 Trimesters / .5 credit per trimester**

This College Preparatory Mathematics (CPM) course emphasizes the student becoming an active participant in their learning through teams. Topics covered will include: functions, linear relationships, representing expressions, simplifying and solving, systems of equations, sequences, modeling two-variable data, exponential functions, quadratic functions, solving quadratics and inequalities, exponential functions, and functions & data.

## **ALGEBRA II**

**Course #1053/1222**

**Elective 10—12 / 2 Trimesters / .5 credit per trimester**

This course will be using the College Preparatory Mathematics (CPM) curriculum, Core Connections Algebra II. Students will work in groups of four, working collaboratively throughout each chapter. Topics covered include: working with functions, transformations of graphs, equivalent expressions, solving equations, inverse functions, logarithms, trigonometric functions, graphing polynomials, survey design, and series.

## **AP CALCULUS**

**Course #1055**

**Elective 11—12 / 2 Trimesters / .5 credit per trimester**

**Prerequisite: Algebra I, Algebra II, Geometry & Precalculus with Trigonometry**

A course designed for students interested in pursuing a career in science, computer programming, engineering, etc. Provides a thoroughly sound introduction into calculus and prepares for more formal study in calculus. The course covers materials in plane and solid analytic geometry, the differential and integral calculus and some work on differential equations. In order to receive weighted credit for the course, students will be required to take the AP Calculus AB exam.

## **GEOMETRY**

**Course #1052/1221**

**Elective 9—12 / 2 Trimesters/ .5 credit per trimester**

**Prerequisite: Algebra I (Students in geometry will be able to use geometric concepts, relationships and procedures to interpret, represent and solve problems.)**

Geometry and its study of shapes and relationships is an effort to understand the nature and beauty of the world. While the need to understand our environment is still with us, the rapid advance of technology has created the need to understand ideas communicated visually through electronic media. For these reasons, educated people in the 21st Century need a well-developed sense of spatial order to visualize and model real world problem situations.

## **PRE-CALCULUS WITH TRIGONOMETRY**

**Course #1054/1223**

**Elective 11—12 / 2 Trimesters / .5 credit per trimester**

**Prerequisite: Algebra I & II and Geometry**

This course will be using the College Preparatory Math (CPM) Pre-Calculus curriculum. Students will work in groups, working collaboratively throughout each chapter. This course is highly recommended for students who are pursuing post-secondary education. Topics covered include: transformations of functions, piecewise functions, area under curves, exponentials and logarithms, trig identities, intro to limits, trig equations, rates of change, and vectors.

## **STATISTICS IN SPORTS**

**Course #1059**

**Elective 11—12 / Trimester / .5 credit**

**Prerequisite: Algebra II**

This course is designed to learn statistics while focusing on events that happen in sports. Topics include: Categorical & Numerical Data, Proportions, Independence, Means/Medians, Variability, Normal Distributions, Confidence Intervals, Numerical Variables, Making Predictions, Probability, and Expected Values.

## **TECHNICAL MATHEMATICS**

**Course #1220/1229**

**Elective 11-12 / 2 Trimesters / .5 credit per trimester**

**Prerequisite: Geometry**

This course will provide the student with hundreds of relevant mathematical real-world examples and applications. Topics covered include: graphing, personal finance, measurement, statistics, and logic.

## **FOUNDATIONS IN MATHEMATICS**

**Course #6004**

**Elective 9-10 / Trimester / .5 credit**

**Possible Teacher Recommendation based on Standardized Test Scores**

This course is a mathematics supportive class for students. Individual computer work in addition, subtraction, multiplication, division, fractions, and more are main components of the course. This course will allow students to develop the mathematical skills necessary to be successful in high school and beyond.

## **(IS) MATH**

**Course #1057**

**Elective 12 / Trimester / .5 credit**

Independent Study Math is available to students who have completed the advanced math tract through Calculus. The (IS) is then to be arranged through the University System with the student making contact with assistance from the guidance office.

# **MUSIC**

## **INTRO TO MUSIC THEORY and COMPOSITION**

**Course #3211**

**Elective 09—12 / Trimester / .5 credit per trimester**

**Prerequisite:** Some formal music training (i.e. Band, Choir, Piano Lessons, etc.) or consent of the instructor.

Students will learn the basics of music theory including written and aural theory. This course will cover music notation, such as pitch, rhythm, scales and chords, form, etc. and students will learn how to analyze and apply these aspects to their musical compositions. This course will make use of music notation software, and throughout the trimester, students will be using this tool to write their own original compositions.

## **MUSIC TECHNOLOGY**

**Course #3212**

**Elective 9—12 / Trimester / .5 credit**

This course is for students who are interested in learning how to make music in a Digital Audio Workstation (DAW) similar to GarageBand. You do not need to have experience in music to take this course. Students taking this course will learn the basics of writing and composing music using a MIDI keyboard. This course will cover the basics of writing drum grooves, bass lines, chordal parts and melodies. Students will also learn how to record and edit audio in a DAW and implement it into their composition. If you have an interest in popular music (hip-hop, pop, rock, etc.) and producing your own music, this class is for you!

### **BAND (SYMPHONIC)**

**Course #3215 (everyday)/3216 (A/B Days and .25/trimester)**

**Elective 9—12 / Yearlong / .5 credit per trimester**

**Prerequisite: Band in succession from MS/HS or special permission from instructor.**

Symphonic Band is for students who are wishing to continue their musical experience from middle school all the way to Senior level. The band plays a good variety of musical styles and progresses in difficulty based on the level of the musicians.

### **REQUIREMENTS OF THE SYMPHONIC BAND CLASS**

Band students are expected to display the highest qualities of citizenship and responsibility. Private and group lessons with the band instructor are required and are scheduled during the school day. Number of lessons to be completed is at the discretion of the band instructor and may vary from trimester to trimester. Practice outside of class is necessary to succeed in Symphonic Band. Various assessments will be completed ranging from group to individual formats as well as performance and written formats. These will include assessments of advanced musical interpretation and techniques on the student's instrument, scales, musical terminology, and basic music theory.

Symphonic Band performances include, but are not limited to: three (3) concerts, Parade Marching for Homecoming, Pep Band, Senior Graduation, and Memorial Day services. The director prior to the event must approve any deviation from these events, and alternate work to earn credit for the event must be completed by the assigned date. Students are required to attend a certain amount of pep band performances and is considered a normal part of the course. Optional performances include WSMA Solo & Ensemble and any chamber ensembles that students wish to form. In order to participate in Solo & Ensemble, a student must be enrolled in one (1) of the bands.

### **CONCERT CHOIR**

**Course #1029 (everyday)/1280 (A/B days and .25/trimester)**

**Elective 9—12 / Yearlong / .5 credit per trimester**

Students are required to be present for all performances. There will be at least four concerts per year, plus a number of clinics and other opportunities to perform in the community. Music learned in this class ranges from a number of genres, languages, and cultures. Some class time is devoted to learning and/or reinforcing the basic fundamentals of music, which are necessary for becoming intelligent and literate musicians. To participate in Solo & Ensemble students must be enrolled in Concert Choir.

### **JAZZ ENSEMBLE**

**Course #1025**

**Elective 9—12 / Trimester / .5 credit per trimester**

**Prerequisite: Concurrent participation in Symphonic Band or special permission from instructor.**

The jazz ensemble works on advanced musical interpretation of jazz music, as well as advanced techniques of improvisation and transcription. Play a variety of music from rock and funk to Latin and swing. Perform at two of our normal concert band concerts which include the winter concert in December, and the spring concert in May. These are a required part of the class.

## **PHYSICAL and HEALTH EDUCATION**

**(Graduation Requirement – 1.5 credits)**

### **Wellness 9**

**Course #3311**

**Required 9th grade / Two Trimesters / 1 credit**

Wellness 9 combines the study of health-related topics with physical activities and fitness components. The goal is to promote overall well-being, encourage a healthy lifestyle, and develop physical skills. The course will involve a combination of classroom instruction, hands-on activities, fitness assessments, and sports/activity participation. It aims to equip students with the knowledge and skills necessary to make healthy choices, maintain physical fitness, and develop a lifelong appreciation for health and well-being. Students will be given the opportunity to improve their present physical fitness level through individual, dual and team activities. They will acquire knowledge of the history, rules and regulations in the activities covered while improving their skills to actively participate. The classroom portion of Wellness 9 is to help student's access information and learn skills needed

to become health literate, maintain and improve health, prevent disease and reduce health-related risk behaviors. Top priority health areas covered are: nutrition, physical fitness, alcohol, tobacco and other drugs, intentional and unintentional injuries; diseases and HIV/STI's/unintentional pregnancies. Students will also complete a unit in First Aid/CPR/AED. Wellness 9 is required for graduation.

### **PHYSICAL EDUCATION I**

#### **Course #3306**

**Elective 10—12 / Trimester 1 / .5 credit**

**Prerequisite: Successfully completed Physical Education 9**

This is an advanced Physical Education course offered to 10-12th grade students focusing on the promotion of physical fitness through a variety of fitness activities and sport units. Students will develop an appreciation for lifelong fitness. Team, individual and aquatic activities along with the use of the fitness center will be a main focus. Skill development, teamwork, and knowledge of the activity will be a priority. Fitness activities will include aerobics, weight training, yoga, aquatics and other group exercises. Units can include: Aquatics, Tennis, Kan Jam, Spikeball, Disc Golf, Soccer, Volleyball, Ultimate Frisbee, Biking and Archery. Units may be determined by the time of year, weather permitting, and availability of physical education space.

### **PHYSICAL EDUCATION II**

#### **Course #3307**

**Elective 10—12 / Trimester 2 / .5 credit**

**Prerequisite: Successfully completed Physical Education 9**

This is an advanced Physical Education course offered to 10-12th grade students focusing on the promotion of physical fitness through a variety of fitness activities and sport units. Students will develop an appreciation for lifelong fitness. Team, individual and aquatic activities along with the use of the fitness center will be a main focus. Skill development, teamwork, and knowledge of the activity will be a priority. Fitness activities will include aerobics, weight training, yoga, aquatics and other group exercises. Units can include: Aquatics, Basketball, Badminton, Table Tennis, Floor Hockey, Cross Country Ski/Snowshoe, and Team Handball. Units may be determined by the time of year, weather permitting, and availability of physical education space.

### **PHYSICAL EDUCATION III**

#### **Course #3308**

**Elective 10—12 / Trimester 3 / .5 credit**

**Prerequisite: Successfully completed Physical Education 9**

This is an advanced Physical Education course offered to 10-12th grade students focusing on the promotion of physical fitness through a variety of fitness activities and sport units. Students will develop an appreciation for lifelong fitness. Team, individual and aquatic activities along with the use of the fitness center will be a main focus. Skill development, teamwork, and knowledge of the activity will be a priority. Fitness activities will include aerobics, weight training, yoga, aquatics and other group exercises. Units can include: Aquatics, Speedball, PickleBall, Golf, Softball/Diamond Games, Flag Football, and In-Line Skating. Units may be determined by the time of year, weather permitting, and availability of physical education space.

### **VOLLEYBALL/BASKETBALL INTRAMURALS AND OFFICIATING**

#### **Course #3312**

**Elective 10—12 / Trimester / .5 credit**

This course is designed to provide students the opportunity to compete in game play while applying the basic strategies of sports officiating with their peers. Students will participate in an intramural type setting while taking turns performing the officiating duties, running the clock and keeping scorebook. Upon completion of this course students will be able to implement officiating mechanics while responding to common game play rules and violations. Students become certified WIAA Officials.

### **AQUATICS AND LIFEGUARD CERTIFICATION**

#### **Course #3303**

**Elective 10—12 / Trimester / .5 credit**

**Prerequisite: Successfully completed Physical Education 9**

This is an advanced physical education class in aquatics offered to 10-12th grade students. The course will focus on the review of swimming techniques and will introduce more advanced skills such as starts, turns, and diving. Students have the option to

become certified as an American Red Cross Lifeguard at the completion of the course. Through classroom learning and hands-on practice, students will learn: surveillance skills to help recognize and prevent injuries, CPR/AED and First Aid certification, rescue skills in the water and on land, and professional lifeguard responsibilities.

### **STRENGTH AND CONDITIONING I**

**Course #3298**

**Elective 9 – 12 / Trimester / .5 credit**

This course is designed for underclassmen and must be taken before Strength and Conditioning II. This course will focus on safe and correct techniques of training, breaking down individual free weight lifts to ensure proper form, spotting methods, fitness center safety and workout routines. Activities will include, but are not limited to, a multitude of lifts utilizing free weights and machine weights, as well as an emphasis on conditioning and fitness. 9th grade students can take this course multiple times.

### **STRENGTH AND CONDITIONING II**

**Course #3299**

**Elective 9-12 / Trimester / .5 credit**

**Prerequisite: Successfully completed Strength and Conditioning I**

This course is designed for students who are self-motivated, are involved in interscholastic athletics and want to excel. While targeting students who are in athletics, Strength II is designed to develop strength, speed, flexibility, agility, muscle memory, spatial awareness, biomechanics, cardiovascular fitness, and reaction. Extensive and intense work will be designed to increase performance and prevent injuries with weight training three (3) days a week, as well as two (2) days of cardio conditioning. Additionally, healthy lifestyle choices will be emphasized including wellness and conditioning. Athletes who participate in extracurricular sports are highly encouraged to take this course each trimester.

### **RECREATIONAL FITNESS**

**Course #3296**

**Prerequisite: Successfully completed Physical Education 9**

**Elective 9-12 / Trimester / .5 credit**

Recreational Fitness is a course designed for students who are interested in learning about current fitness trends and techniques they can use throughout their lives. This course will include warm-up activities and learning basic weightlifting skills and will allow students to develop fitness programs that fit goals they set for themselves. Fitness activities will include aerobics, weight training, yoga, aquatics and other group exercises. As well as learning about proper nutrition that aids in gaining and maintaining a healthy lifestyle.

### **NORTHWOOD TECH. NURSING ASSISTANT (CNA)\* & AMERICAN HEART ASSOCIATION CPR for HEALTHCARE PROVIDERS\*\***

**Course #1239**

**PREREQUISITE:** Admission to Northwood Tech's Nursing Assistant program - Students who choose the Nursing Assistant course will be guided through this process. **\*Dual Credit \*\*CPR Certification**

**Elective 11-12 / Trimester (Two Periods) / 1.0 credit**

The Nursing Assistant program prepares students for employment as nursing assistants (CNAs). The program also prepares students with some of the skills needed for nursing and other health-related programs. During the 90-hour course, students will be required to demonstrate the following skills under the supervision of a licensed nurse: communication, basic nursing assistant and personal care skills, attention to client's rights; and care of clients with Dementias. The program is recognized by the Wisconsin Department of Health Services as a nurse-aide training program. Upon successful completion of the program, the student is eligible to take the Wisconsin Nursing Assistant competency evaluation for inclusion on the Wisconsin Nurse Aide Registry and employment in nursing homes, hospitals, home health agencies, hospices, CBRFs, assisted living centers and homes for the developmentally disabled.

Upon completion of the Nursing Assistant (CNA) course, students will complete the *American Heart Association's Basic Life Support (BLS): CPR & AED for Healthcare Providers*. This will meet CPR certification requirements for nursing schools and other medical professions.

# SAFETY EDUCATION

## **DRIVER EDUCATION**

**Course #1068**

**Elective / Trimester / .25 credit**

Driver Education classroom is offered to all students that are age-eligible. The classroom portion is available on site as well as virtual. A minimum of 30 clock-hours of classroom work, and 70% or better final grade allows students to try for learners permit and participate in behind-the-wheel instruction. Behind-the-wheel instruction/training is offered during the school year and summer school. Trimester credit is earned.

## **CLASS ELIGIBILITY. . .**

**Eligible students will be listed chronologically and divided equally among the number of sections. Students will be placed in the appropriate section.**

# SCIENCE

**(Graduation Requirement – 3 credits)**

## **ADVANCED PLACEMENT (AP) BIOLOGY**

**Course #1072**

**Elective / Yearlong / .5 credit per trimester**

**Prerequisite: 3.00 GPA in Algebra I & Biology, Completion of Biology A, Biology B, and Intro to Chemistry**

AP Biology follows the College Board Standards for Advanced Placement and is intended to give students the opportunity to earn credits of college biology when they pass the AP Biology Exam at the end of the course. This course will offer the updated inquiry AP Biology Labs, a rigorous and detailed coverage of general biology concepts, and will also allow for opportunities to expand on topics as time permits. The course covers cellular energetics and molecular building blocks, interdependent systems in biology and physiology (how living processes work), genetics and protein synthesis, and life's processes that drive evolution. This class is a high-speed course and is only intended for college-bound students. Students will work in an advanced scientific method that includes the use of rigorous mathematical and statistical analyses as part of the course. In order to receive weighted credit for the course, students are required to take the AP Biology exam.

## **ADVANCED PLACEMENT (AP) CHEMISTRY**

**Course #1267**

**Elective / Yearlong / .5 credit per trimester**

**Prerequisite: 3.00 GPA in Chemistry and Algebra II**

AP Chemistry is equivalent to a college level general chemistry course that provides rigorous study in four major areas: structure of matter, states of matter, reactions, and descriptive chemistry. This lab-rich course is designed to prepare students for the AP Chemistry exam and for their first year of college chemistry. AP Chemistry is open to all students who have completed a year of chemistry who wish to take part in a rigorous and academically challenging course. A special emphasis will be placed on the seven science practices, which capture important aspects of the work that scientists engage in, with learning objectives that combine content with inquiry and reasoning skills. The student will demonstrate a basic understanding of, and the ability to apply, mathematical solutions to problems involving atomic theory and structures, chemical bonding, nuclear chemistry, kinetic theory, solutions, reaction types, stoichiometry, equilibrium, kinetics, thermodynamics, and descriptive chemistry. Evaluation is based on homework, lab reports, and tests. In order to receive weighted credit for the course, students are required to take the AP Chemistry exam.

## **ADVANCED PLACEMENT (AP) PHYSICS COURSE I**

**Course #1083/1225/1226**

**Elective / Yearlong / .5 credit per trimester**

**Prerequisite: Intro to Physics and Algebra II or instructor permission**



AP Physics Course I is an algebra-based, conceptual physics course with a focus on: kinematics, Newton's laws of motion; torque; rotational motion and angular momentum; gravitational and circular motion; work, energy and power; linear momentum; oscillations, mechanical waves and sound; and introduction to electric circuits. In order to receive weighted credit for the course, students are required to take the AP Physics I exam.

## **ANATOMY & PHYSIOLOGY**

**Course #1075**

**Elective / Trimester / .5 credit**

**Prerequisite: Completion of Biology A and Biology B**

Anatomy is the study of the locations and placements of the major organs and systems of the body. Physiology is the study of how the body works, including studies of cellular secretions, tissue functions, and energetic processes of the body. This college-prep course is an accelerated study of comparative anatomy and physiology, and students will learn about the major tissues, organs and systems of the human body, assisted by dissections of laboratory rats and specific sheep organs such as eye, heart, and kidney. The course is recommended for students interested in careers in human health and veterinary science. Areas of study include cellular activities, tissue functions, organ systems and functions, and interactions between systems. Side studies include human health topics and the nature of disease. Students should expect to do a lot of technical reading and memorization in keeping up with the pace of the course.

## **BIOLOGY (GENERAL)**

**Course #1070/1217**

**Required 9<sup>th</sup> grade/ 2 Trimesters / .5 credit per trimester**

Biology is the study of living organisms. This course is divided into Biology A and Biology B. Biology A includes the study of the scientific method and experimental design, an overview of ecosystems, biomes and conservation biology, population biology, basic classification of organisms, an overview of the kingdoms of living things, and other classical biology topics. Biology B covers biological chemistry, cell biology, the role of DNA in heredity and protein synthesis, an overview of genetics, comparative anatomy, and taxonomy using genetics-based phylogeny. A laboratory component of the course is required, and students are required to keep a Biology notebook. Some emphasis is placed on graphing, interpretation of graphs, data analysis and other practical interpretations and applications of science.

## **CHEMISTRY**

**Course #1073/1218**

**Elective / 2 Trimesters / .5 credit per trimester**

**Prerequisite: Introduction to Chemistry**

Matter and energy are involved in everything we use and do. Students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include characteristics of matter, use of the Periodic Table, development of atomic theory and chemical bonding, chemical stoichiometry, gas laws, solution chemistry, and thermochemistry. Students will investigate how chemistry is an integral part of our daily lives.

## **EARTH & SPACE SCIENCE**

**Course #1074**

**Elective / Trimester / .5 credit**

This trimester course will cover topics in Astronomy, Geology, and Meteorology through a variety of hands-on activities. Astronomy is the branch of science that deals with celestial objects, space, and the physical universe as a whole. Geology is the branch of science that deals with Earth's physical structure and includes rocks and minerals. Meteorology is the branch of science concerned with the processes and phenomena of the atmosphere, especially as a means of forecasting the weather. The outcome of this course is to create an understanding of the dynamic processes that shape our planet Earth as well as investigating our place in our galaxy and our universe.

## **ECOLOGY**

**Course #1071**

**Elective / Trimester / .5 credit**

**Prerequisite: 2.00 GPA in Algebra I & Biology**

Ecology is the study of interactions between living things and the living and nonliving components of an environment. Of interest in ecology is the use of mathematics in population estimation, population modeling, and statistical analysis. This college-prep course is an introduction to field ecology and may incorporate a field study if the course is offered in fall or spring. Students will learn how scientists understand plant and animal community associations and ecological interactions and will achieve mastery level learning of many ecological relationships. Students will learn to use rigorous mathematics in describing those relationships and will learn how to write technical, scientific reports. Students interested in taking this course should be highly motivated.

## **INTRODUCTION TO CHEMISTRY**

**Course #3264**

**Required 10th grade/ I Trimester / .5 credit**

Chemistry is the study of the properties, composition, structure, and interactions of matter. This laboratory-based science class will allow students to explore the principles of chemistry, such as matter, energy, structure of atoms, and chemical reactions. The ultimate goal of the course is to produce scientifically literate citizens capable of using their knowledge of chemistry to solve real-world problems and make personal, social, and ethical decisions that have consequences beyond the classroom walls.

## **INTRODUCTION TO PHYSICS**

**Course #3265**

**Required 10th grade/ I Trimester / .5 credit**

Physics is the branch of science concerned with the nature and properties of matter and energy. This lab-based science course will study the fundamentals of mechanics, including kinematics (the study of accelerated motion), dynamics (the study of forces and their interactions), energy and its conservation, momentum and its conservation, vibrations and waves, sound, and fundamentals of light.

## **THE SCIENCE OF SPORTS**

**Course # 1082**

**Elective / Trimester / .5 credit**

**Prerequisite: 2.00 GPA in Algebra I, successful completion of Introduction to Physics**

The science of sports will build upon the physics topics covered in the introduction to physics. In this lab-based science course you will study and relate the topics of Newtonian physics (kinematics, dynamics, and energy) to a variety of different high school sports. Through collecting data on different sports situations students will learn: problem solving skills to make predictions on outcomes, a variety of ways to present data, and how physics can increase your understanding on how to be successful in athletics.

## **ZOOLOGY**

**Course #1066**

**Elective 10—12 / Trimester / .5 credit**

Zoology is the study of animals. This course will offer an overview of 9 major animal Phyla, and it will have a very large component of vertebrate zoology, the study of vertebrate (back-boned) animals including the study of the birds, mammals, reptiles, amphibians, and fish of Wisconsin. This zoology course will focus on animal adaptations, animal comparative anatomy, animal developmental biology, animal classification and identification, and will also have some components of animal behavior. This course offers a number of differentiated lessons that will appeal to science students of all abilities including some scientific illustration, some analysis of animal sounds, some compare-and-contrast analysis, and some emphasis on future conservation priorities for wild animals.

## **(IS) SCIENCE PROJECT**

**Course #1077**

**Elective / Trimester / .5 credit per trimester**

**Prerequisite: 3 credits in science and permission of instructor**

Designed for students who wish to do independent work in an area of their choice. A project will be required. The course is set up as a full year to give time for gathering information, supplies and conducting experiments. Students will be expected to use the scientific method to develop an experiment based upon rigorous observations. Students will develop academic research skills, laboratory practices, data analysis techniques, and rigorous examination of scientific methods.

# **SOCIAL STUDIES**

**(Graduation Requirement – 3 credits)**

## **ADVANCED PLACEMENT (AP) WORLD HISTORY**

**Course #1164**

**Elective / Yearlong / .5 credit per trimester**

The content and procedures of this course are equivalent to a college-level introductory course. Students will acquire knowledge of the basic events and movements that occurred in Europe during the time period from approximately 1450 to the present. Events during this time period will be examined through three major historical themes: Intellectual and Cultural, Political and Diplomatic, and Social and Economic. In order to receive weighted credit for the course, students are required to take the AP World History exam.

## **ADVANCED PLACEMENT (AP) U.S. HISTORY**

**Course #1163**

**Elective / Yearlong / .5 credit per trimester**

This course introduces students to fundamental concepts used by political scientists to study the processes and outcomes of politics in a variety of country settings. The course aims to illustrate the rich diversity of political life, to show available institutional alternatives, to explain differences in processes and policy outcomes, and to communicate to students the importance of global political and economic changes. Comparison assists both in identifying problems and in analyzing policymaking. In order to receive weighted credit for the course, students are required to take the AP U.S. History exam.

## **ECONOMICS**

**Course #1033**

**Required 11th grade / Trimester / .5 credit per trimester**

This trimester course will introduce the basic concepts of economic theory. Emphasis will be placed on economic fundamentals, Microeconomics, Macroeconomics and international economic concepts.

## **AMERICAN GOVERNMENT**

**Course #3213**

**Required 11th grade / Trimester / .5 credit per trimester**

The first half of the course is designed to focus in detail on the national level of government in the United States. The executive, legislative and judicial branches of government are analyzed with special emphasis on the President, Congress and the Supreme Court. The second half of the course focuses on local, country and state levels of government in Wisconsin.

## **GEOGRAPHY (PHYSICAL)**

**Course #1036**

**Elective / Trimester / .5 credit**

The objective for this course is for students to understand the connection between one's physical environment and the culture that resides in that environment. We will cover such topics as landforms, climate, vegetation, map skills, government, history, and way of life of different countries of the world. The studies will include North America, Latin America, Europe, Far East, Africa, and Oceania as time permits. The course is designed to give the student a working geographical background.

## **HISTORY THROUGH FILM**

**Course #1213**

**Elective / Trimester / .5 credit**

This class will explore and analyze history through film. Students will compare and contrast cinematographic portrayal of history with actual historical occurrences through class discussion, research, reading, and writing.

## **MODERN U.S. HISTORY**

**Course #1782**

**Elective / Trimester / .5 credit**

Modern U.S. History will provide an in-depth study of American history since World War II. Topics we will explore include the Korean War, Civil Rights, Assassination of JFK, Vietnam War, Nixon and Watergate, Oil Crisis, Iranian Hostage Crisis, Conservative Movement, Persian Gulf War, 9/11 attacks, and domestic and foreign issues confronting America today.

## **U.S. HISTORY**

**Course #1209/1210**

**Required 10th grade / 2 Trimesters / .5 credit per trimester**

This course is to create student awareness in our country's past with an eye to the future. They cover the founding of America and our European influence, the birth of the United States and its rise of prominence in the world community. All the contributions, both internal and external, which have given the U.S. a position of world leadership, are included. The intent is to make the student more aware of his/her obligations, privileges and heritage as a citizen.

## **WORLD HISTORY**

**Course #1031/1215**

**Required 9th grade / 2 Trimesters / .5 credit per trimester**

This course will be a survey of world events that will draw upon the prior knowledge of the students to help them make connections with the modern era. Students will start with the Age of Imperialism to see how the modern world was shaped. We will study countries on each continent up to World War I, and then will study global events up through today. Particular focuses will be in Africa, India, China, The Middle East, Canada, and South America; all while looking at the European impact and American impact around the world.

## **WORLD WAR II**

**Course #1212**

**Elective / Trimester / .5 credit**

Students will delve deep into studying the causes, the course and the implications of World War II—the greatest of 20th century conflicts. The course will cover the geographic areas involved, the major diplomatic, political and military events, and some of the keys figures of the war. It covers the time period of 1914 to 1945, covering WWII, the Rise of Fascism and Dictators, and ending with an emphasis on the WWII years of 1939-1945.

## **(IS) SOCIAL STUDIES**

**Course #1030**

**Elective / Trimester / .5 credit**

**Prerequisite: Minimum of B average in all social studies courses**

Intensive study and research on selected subfields of Social Studies. Submission of formal research papers on developments and execution of the project will be required. Instructor permission required.

# TECHNOLOGY EDUCATION

(Classes with an “\*” indicate dual or advanced standing at Northwood Tech. campuses)

## ADVANCED CAD

**Course #1114**

**Elective 11-12/ Trimester / .5 credit**

**Prerequisite: Northwood Tech. CAD Basics (Formerly CAD-CAM)**

One trimester class course building off the Northwood Tech. CAD Basics course. Students will be working more independently designing products or parts based on the instructor or a client's criteria using software used in CAD Basics. Basic Motion Studies and Design Analysis will be taught if students choose to take the Certified Associate Exam in the future. Students will also create parts with the 3D printer and possibly the CNC plasma cutter.

## BEGINNERS HOME AND AUTOMOTIVE MAINTENANCE

**Course #1175**

**Elective 9-12/ Trimester / .5 credit**

THIS CLASS IS INTENDED FOR STUDENTS WITH MINIMAL KNOWLEDGE OF AUTOMOTIVE MAINTENANCE AND RESIDENTIAL CONSTRUCTION. The skills learned in this class will help students diagnose and repair basic household and automotive problems that will occur in their lifetime. The home portion will cover the basics in framing, drywall, plumbing, electrical, and steps to make your home more energy efficient. In the automotive portion, students will learn how to properly change a tire, how to add and change oil and coolant in a vehicle, along with other basic vehicle maintenance. During these lessons, students will learn the names and proper use of basic tools to do these common repairs and maintenance.

## CONSTRUCTION

**Course #1176**

**\*Advanced Standing Through Northwood Tech.**

**Elective / Trimester / .5 credit**

This course is designed to give students some insight and practical experiences in the residential construction field. The course will approach construction from several different viewpoints including: homeowner, carpenter, designer, architect, and others.

The class will start learning about foundations and work their way up to roof systems. During the second half of the trimester students will be tasked with a variety of projects ranging from structural framing to installation of windows and doors to installing variations of roofing and siding. Students will work cooperatively in small groups to build storage sheds and other structures.

## JOBSITE CONSTRUCTION

**Course#1110**

**Elective 11-12/ 2 Hour Trimester / 1 credit**

**Prerequisite: Construction and OSHA 10 Training**

This course is designed for the student who is interested in joining the construction field. Students will be working alongside a local contractor at their jobsite for two hours a day learning some of the ins and outs and tips and tricks of the trade. This course goes beyond anything they can learn in the classroom and gives each student real world experience.

## SMALL ENGINES

**Course #1142**

**Elective 9-12/ Trimester / .5 credit**

A trimester course designed to introduce students to the operation, maintenance and repair of small gas engines. Students will gain practical experience in the repair of small gas engines by diagnosing problems, disassembling, repairing and re-assembling shop engines. Upon completion of the shop engines students will have an opportunity to work on engines of their own with approval of the instructor.

### **NORTHWOOD TECH. CAD BASICS\***

**Course #1118**

**Dual Credits through Northwood Tech.**

**Elective 9-12/ Trimester / .5 credit**

One trimester course covering introducing the aspects of designing with Solid Modeling and Parametric Modeling. We will begin constructing basic solid models and work towards building intelligent mechanical design, creating multi-view drawings and assembly models. This course takes a hand-on, exercise-intensive approach to all the important Parametric Modeling techniques and concepts.

### **WOODS I\***

**Course #1129**

**Advanced Standing through Northwood Tech.**

**Elective 9-12/ Trimester / .5 credit**

The Woods I course includes studying the properties of woods and composites made from woods and using these materials to construct usable products. This course enables students to experience the process of translating an idea into a finished product, with instruction in planning, designing, selecting materials, and using tools and machines.

### **CABINETMAKING (Woods II)\***

**Course #1119**

**Advanced Standing through Northwood Tech.**

**Elective 11-12/ Trimester / .5 credit**

**Prerequisite: Woods**

Cabinetmaking will play off the concepts learned in Woods class. In class students will learn what goes into making kitchen/bathroom cabinets, along with pricing, material cost, estimates, plan of procedures, and cut sheets. Cabinet styles and construction will be discussed along with projects that reinforce these concepts.

## **WORLD LANGUAGES**

### **SPANISH I**

**Course #1167/2167**

**Elective 9—12 / 2 Trimesters / .5 credit per trimester**

Spanish I will provide the student with a general introduction to the Spanish language: sound system, pronunciation, functional vocabulary related to everyday life, cultural information and basic grammatical structures in present tense. Emphasis will be on the acquisition of four skills: listening, speaking, reading and writing. There are two main goals for the course. Foremost is to give the students the ability to carry on simple conversations and secondly to provide students with instruction that teaches a basic understanding of Spanish culture, vocabulary, and grammatical concepts.

### **SPANISH II**

**Course #1168/2168**

**Elective 10—12 / 2 Trimesters / .5 credit per trimester**

This course will reinforce the skills learned in Spanish I: listening, speaking, reading, and writing. Emphasis is on perfecting pronunciation, mastery of the basic grammatical structures, and increased communicative proficiency using comprehensible input techniques, which is an optimized immersion experience. Acquisition of functional vocabulary is expected. Students will be exposed to the past tenses, future, conditional, and present progressive. Students will be expected to apply them in their writing and speaking.

**SPANISH III:****Course #1169/2169****Elective 10—12 / 2 Trimesters / .5 credit per trimester**

The main objective of this engaging and functional course is to improve your Spanish speaking skills and vastly expand your cultural knowledge. This course will follow a Functional approach and immerse the learner in “real-life” situations where Spanish is required. The class will be designed to allow students to interact in Spanish in various settings including role play, interviewing, presentations, and other modalities. There will be a focus on studying Hispanic Culture and learning how to communicate if traveling to a Spanish speaking country. Spanish 3 is ideal for students who have already taken Spanish I and 2.

## **FAMILY AND CONSUMER EDUCATION**

**Foods****Course #****Elective 10-12 / Trimester / .5 credit**

Do you love food but want to learn more? This course will start at the basics of food preparation: beginner culinary techniques, culinary terms, reading a recipe, and nutrition. Students will participate in food labs two to three times a week that will cover topics that include the basic food groups including desserts. As a closure to the course, students will be able to share traditional foods and experiences from their own culture.

**International Foods****Course #****Elective 10-12 / Trimester / .5 credit****Prerequisite: Foods I**

In this course, students will learn about the regions of the United States and the history, geography, and cultural traditions that have become a part of our country. The second part of this course will focus on international cuisine from all around the world. We will explore various cultural traditions as well as specialty ingredients and culinary techniques including preparing homemade pasta and constructing and decorating a gingerbread house. Come and expand your culinary skills while learning about other cultures!

# CAREER & TECHNICAL EDUCATION PATHWAYS AND YOUTH APPRENTICESHIPS

CAREER & TECHNOLOGY EDUCATION PATHWAY	HIGH SCHOOL COURSES IN THE PATHWAY	YOUTH APPRENTICESHIP AVAILABLE AT UNITY IN THIS PATHWAY
Agriculture - Agribusiness Systems	<ul style="list-style-type: none"> <li>• Career Readiness and Advanced Leadership</li> </ul>	No
Agriculture – Animal Systems	<ul style="list-style-type: none"> <li>• Animal Science</li> <li>• Small Animals &amp; Horse Care</li> </ul>	Yes - Animals
Agriculture – Food Products and Processing Systems	<ul style="list-style-type: none"> <li>• Food Processing</li> </ul>	No
Agriculture – Natural Resources Systems	<ul style="list-style-type: none"> <li>• Forestry</li> <li>• Wildlife Management</li> </ul>	Yes – Environmental Systems
Agriculture – Plant Systems	<ul style="list-style-type: none"> <li>• Landscape, Plant, &amp; Turf Management</li> </ul>	No
Business – Business Information Management	<ul style="list-style-type: none"> <li>• Employability Skills</li> <li>• Information Processing</li> </ul>	No
Business – Business Management	<ul style="list-style-type: none"> <li>• Northwood Tech Introduction to Business</li> </ul>	No
Business - Accounting	<ul style="list-style-type: none"> <li>• Northwood Tech Financial Accounting I</li> <li>• Accounting II</li> </ul>	No
Business – Business Finance	<ul style="list-style-type: none"> <li>• Personal Finance</li> </ul>	No
Business – Network Systems	<ul style="list-style-type: none"> <li>• Information Processing</li> </ul>	No
Business – Web & Digital Communications	<ul style="list-style-type: none"> <li>• Yearbook</li> </ul>	No
Marketing – Marketing Management	<ul style="list-style-type: none"> <li>• Business Communications*</li> <li>• International Business*</li> <li>• Introduction to Marketing</li> </ul>	Yes - Marketing
Technology Education - Construction	<ul style="list-style-type: none"> <li>• Residential Construction</li> </ul>	No
Technology Education – Design/Pre-Construction	<ul style="list-style-type: none"> <li>• Architectural CAD</li> <li>• Residential Construction</li> </ul>	No
Technology Education – Manufacturing Production Process Development	<ul style="list-style-type: none"> <li>• Soaring Eagle Custom Fabrication</li> </ul>	No
Technology Education - Production	<ul style="list-style-type: none"> <li>• Woods I</li> <li>• Woods II</li> <li>• Northwood Tech Welding for Mechanics</li> <li>• Project-Based Metals</li> </ul>	Yes - Manufacturing
Technology Education – Engineering & Technology	<ul style="list-style-type: none"> <li>• Advanced CAD</li> <li>• Video Game Development I</li> <li>• Northwood Tech. CAD Basics</li> </ul>	No
Technology Education – Transportation Operations	<ul style="list-style-type: none"> <li>• Beginners Home &amp; Auto</li> <li>• Small Engines</li> </ul>	No
Health Sciences – Therapeutic Services	<ul style="list-style-type: none"> <li>• Anatomy &amp; Physiology</li> <li>• CNA</li> <li>• Medical Terminology*</li> </ul>	Yes – Health Science



Family Consumer Services – Food/Beverage Services	<ul style="list-style-type: none"> <li>• Food &amp; Nutrition Through the Lifespan*</li> <li>• Hospitality &amp; Tourism*</li> <li>• Introduction to Culinary Arts*</li> </ul>	Yes – Hospitality, Lodging, and Tourism
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\*Wisconsin Virtual School Course

## VIRTUAL COURSE LIST

Students in grades 9-12 with a cumulative GPA of at least 3.25 also have the option to enroll in virtual courses at Unity High School. Priority is given to parents and students who request a virtual class in writing prior to March 1<sup>st</sup>. Students must not have previous discipline that limits their access to a school issued iPad, offerings available through Educere and the Wisconsin Virtual School, and the principal may deny the request to enroll in an online, virtual course. A failing grade in an online, virtual course may exclude the student from any future online, virtual courses and could result in the student being fiscally responsible for the course. Below is the current list of courses offered in this program:

### Semester-Length Courses

- AgroSciences II: Sustaining Human Life
- AP Macroeconomics
- AP Microeconomics
- AP US Government & Politics
- Business Communications
- Career Planning
- Civics
- Criminology
- Digital Citizenship
- Early Childhood Education
- Entrepreneurship: Starting Your Own Business
- Family & Consumer Science
- Fashion & Interior Design
- Fundamentals of Web Design
- Gothic Literature
- Health I: Life Management Skills
- Health Careers I
- Health & Personal Wellness
- Health Science I
- Health Science II
- History of the Holocaust
- Hospitality & Tourism
- Introduction to Culinary Arts
- International Business
- Life Skills
- Media & Communications
- Medical Terminology
- Music Appreciation: The Enjoyment of Listening
- Mythology & Folklore: Legendary Tales
- National Security
- Psychology
- Real-World Parenting
- Sociology I: The Study of Human Relationships
- Sociology II: Your Social Life

- Sports and Entertainment Marketing
- Veterinary Science
- World Language Survey

### Yearlong Courses

- Advanced Web Design
- AP Art History
- AP Calculus AB
- AP Calculus BC
- AP Computer Science A
- AP English Language
- AP Environmental Science
- AP French Language
- AP Human Geography
- AP Psychology
- AP Spanish Language
- Beginning Programming
- Chinese (Mandarin) I
- Chinese (Mandarin) II
- Computer Fundamentals
- Earth Space Science
- Fine Arts
- Food & Nutrition through the Lifespan
- Forensic Science
- French I Competency
- French II Competency
- French II Fluency (comparable to French III)
- French III Competency (comparable to French IV)
- German I
- German II
- German III
- German IV
- Intermediate Programming
- Japanese I

- Japanese II
- Marine Science
- Physics I and II
- Social Problems I and II

- Spanish II Fluency (comparable to Spanish III)
- Spanish III Competency (comparable to Spanish IV)

## SPECIAL EDUCATION

### **Pre-arranged 9—12 / Trimester / .5 credit**

These classes are designed to supplement, or take the place of, the regular curricular classes by offering tutoring help and/or academic programming for Special Education students. The Special Education Instructor(s), School Counselor and/or Principal must arrange the classes.

The following represent areas of current academic course instruction:

- I 151/2151—Alt. Ed. English
- I 153/2153—Alt. Ed. Math
- I 152/2152—Guided Study
- I 155—Adaptive Physical Education
- I 700/2700—Transition Skills
- I 150/2150—Social Skills
- I 501—Alt. Ed. Independent Living Skills
- I 165/2165—VWork Transition