

Cumberland High School



Course Description Book 2023-2024

PLANNING YOUR FUTURE

The Cumberland High School Course Description Book contains scheduling information, educational planning information as well as the 2022-2023 course descriptions available to Cumberland High School students. The content of the book should be carefully reviewed by parents and students so that both are familiar with the classes and programs that are available. Some of the most important choices made in high school are in regards to the courses taken. The classes a student participates in will have a significant impact on the skills and knowledge gained. It sets a foundation for everything a student will do after high school.

The CHS Course Description Book has recommended and required course selections for High School students. In addition, there are brief summaries for all courses. Staff members can be very helpful in answering specific questions on courses offered within their departments. Students are encouraged to develop and follow a four-year plan that guides their instruction based on their interests, strengths, and post-secondary goals.

Planning carefully when filling out the registration form is essential. The following are the only reasons a student should change their schedule;

- The student has been scheduled into a course previously passed
- The student has been scheduled into a course out of sequence (i.e., Spanish 3 before Spanish 1)
- The student did not pass a class that was a prerequisite for another
- The student has an incomplete schedule
- A Senior is missing a requirement for graduation
- Administrator must balance the class sizes

We wish you luck as you build your future and pursue your dreams by utilizing the high quality instruction available at Cumberland High School. If you ever need assistance, have questions, or would like to discuss the planning process, do not hesitate to contact either of us.

Sincerely,

Daniel Hopkins
Cumberland High School Principal

Kristy Thompson
Cumberland High School Counselor

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Cumberland High School Graduation Requirements

The following are requirements that must be satisfied by all students receiving a standard diploma from Cumberland High School. The total number of credits required for graduation is 26 credits.

4.0 credits in English

Grade 9	English 9	(1 credit)
Grade 10	English 10	(1 credit)
Grade 11	English 11	(1 credit)
Grade 11 and 12	<i>take 1.0 credits of English electives.</i>	

3.0 credits in Social Studies

Grade 9	U.S. History	(1 credit)
Grade 10	World History	(1 credit)
Grade 11 or 12	Civics	(0.5 credit)
	Social Studies Elective*	(0.5 credit)

* *Geography, Human Relations, Personal Law, Modern US History, Sport and Society*

3.0 credits in Science

Grade 9	Physical Science	(1 credit)
Grade 10	Biology	(1 credit)
Grade 11 or 12	Science Elective*	(1 credit)

**Six Kingdoms Biology, Advanced Biology, Anatomy and Physiology, Human Biology, Chemistry, Physics, Natural Resource Management*

3.0 credits in Math

Please see common sequence section.

1.0 credit in Fine Arts (*Band, Choir, Art or Foreign Language*)

1.5 credits in Physical Education (must be completed over 3 separate years)

0.5 credit Health

****Class of 2017 and beyond can meet requirement through 8th grade Health**

0.5 credits of Personal Finance

****Must take Personal Finance as Juniors.**

26 Total Credits

Common Sequences for Courses in High School

English

The following are the most common sequences for English courses during high school. The English requirement for admission into college is four college-prep English credits.

Grade	Required Course	Credit
9	English 9	1
10	English 10	1
11	English 11	1
11 and 12		1.5
Electives		

Social Studies

The following are the most common sequences for Social Studies courses during high school. The Social Studies requirement for graduation is three credits.

Graduating Class of 2015 and Beyond

Grade	Required Course	Credit
9	U. S. History	1
10	World History	1
11 or 12	Civics	0.5
	Social Studies Elective	0.5

Science

The following are the most common sequences for Science courses during high school. The Science requirement for graduation is three credits. The Science requirement for admission into college is three college-prep science credits.

Grade	Required Course	Credit
9	Physical Science	1
10	Biology	1
11 or 12	Choose from one or more of the following science electives:	
	Biology Six Kingdoms	0.5
	Earth and Space Systems	0.5
	Chemistry	1
	Advanced Biology	1
	Advanced Chemistry	1
	Physiology/Anatomy	1
	Physics	1
	Natural Resource Management	1

Math

The following are the most common sequences for Math courses during high school. The Math requirement for graduation is three credits. The Math requirement for admission into technical college is two credits. However, you must pass the mathematical component on the technical college entrance exam before admission is granted. **Therefore, it is strongly recommended that students considering one of these options to enroll in Technical Math their senior year.** *Many four-year colleges are moving towards an entrance requirement of four years of Math.*

Possible math sequences to be prepared for a for 2-year technical college program:

Grade 9	Grade 10	Grade 11	Grade 12
Pre-Algebra	Algebra I	Geometry	Technical Math and/or Statistics
Algebra I	Geometry	Algebra II	Technical Math and/or Statistics

Possible sequences that will meet the Math requirements to be prepared for 4-year college admissions:

	Grade 9	Grade 10	Grade 11	Grade 12
1	Pre-Algebra	Algebra I	Geometry	Algebra II
2	Algebra I	Geometry	Algebra II	
3	Algebra I	Geometry	Algebra II	Pre-Calculus/Trig and/or Statistics
4*	Algebra I	Geometry & Algebra II **	Pre-Calculus/Trig or Statistics	Calculus
5***	Geometry	Algebra II **	Pre-Calculus/Trig or Statistics	Calculus

Requirements for college programs that emphasize math (engineering, math teacher, computer sciences, etc.) recommend taking Statistics during Junior or Senior Year.

** Students must receive an A in Algebra I in order to double-up in Math in Grade 10.

*** Track for students who take Algebra I in Grade 8.

Scheduling Procedures

Students must schedule 3.5 credits per semester. Students should plan their schedule for the full year. Credits will be given as follows: 0.5 credit for semester classes and 1.0 credit for year-long classes. If a class is dropped after two weeks into a new semester, students will be given a failing grade.

Four-Year College Entrance Requirements

If your plans after graduation include a four-year college, keep in mind the major factors upon which your college admission is based:

1. The quality and rigor of your course of study while in high school
2. The grades earned in these courses and resulting grade-point average and class rank
3. Your score on the ACT and/or SAT test
4. Activities both in and out of school (an important factor when scholarships are awarded)

Colleges have their individual requirements regarding admissions, and they may change yearly. Thus, you should identify these requirements as early as possible to ensure you are meeting them by high school graduation. Below are the minimum course requirements for the UW-System. Private and out-of-state schools may have additional requirements. All University of Wisconsin System institutions require new freshmen to have completed a minimum of 17 high school credits. Thirteen of these must be Core College preparatory.

Thirteen Core College Prep Credits:

4 credits of English, 3 credits of Social Studies, 3 credits of Natural Science, 3 credits of Math including Algebra I, Geometry and Algebra II

Four Elective Credits:

These can be chosen from the above core college prep areas: foreign language, fine arts, computer science, or other academic areas. Some University of Wisconsin System schools may also accept vocational courses for some of these four elective credits.

Foreign Language:

In the University of Wisconsin system, the University of Wisconsin-Madison is the only college that requires two years of the same foreign language (typical for admission to University of Wisconsin-Madison is four years). Other University of Wisconsin schools strongly recommend it. Schools in the University of Minnesota system also require two years of the same foreign language.

Two-Year College Entrance Requirements

Students may start their education at a two-year college and then transfer to a four-year college to earn a bachelor's degree. After fulfilling certain credit and grade point requirements, students who participate in the Guaranteed Transfer Program are guaranteed admission into the University of Wisconsin school of their choice. The transfer program guarantees admission to the baccalaureate institution only and not to the specific program or major.

Two-year colleges are different from technical schools. In Wisconsin, the two-year colleges belong to the University of Wisconsin System. University of Wisconsin-Barron County in Rice Lake is an example of a two-year college. Entrance requirements include the following:

1. Must have graduated from a recognized high school, have a Certificate of GED, or present other evidence of ability to begin.
2. Have a minimum of 17 college prep credits. Thirteen of the seventeen credits must be distributed as follows: 4 credits of English, 3 credits of Social Studies, 3 credits of Natural Science, and 3 credits of Math (must include at least 1 credit of Algebra and 1 credit of Geometry). The remaining four credits can be chosen from the above areas, foreign language, fine arts, computer science, or other academic areas.
3. Submit an ACT or SAT score. The scores must be received before you will be permitted to register.

If you are admitted and if your high school record, placement test scores, or other previous academic performance indicate that you may have difficulty with university work, you will be required to participate in special programs aimed at preparing you to succeed at university-level coursework. Please note that some of these courses may not count toward your college degree.

Technical College Entrance Requirements

Technical colleges provide affordable, career-oriented programs for many high-skilled, technical jobs in the state. Small class size, flexible scheduling, and a high job placement rate are all attractive features of these schools. Students spend most of their class time in job-related settings where they receive hands-on training from experienced instructors. Degrees offered range from short-term programs and certificates to technical diplomas and associate degrees, which take one to two years to complete. Northwood Technical College in Rice Lake is an example of a technical college.

Technical colleges currently have an open enrollment policy. Specific programs have specific requirements for admittance. Some programs may require that specific prerequisite courses be taken in high school or at the technical college prior to admittance. It is very important to check the specific program requirements in the college catalog or on the college website.

Career Planning

Individual Conferences with the High School Counselor

College Admission Tests

ACT: The ACT is the preferred admissions test of four-year colleges and universities throughout the Midwest. Two-year colleges also require the ACT. The test takes over three hours and is required of all Juniors. Subject areas include English, Reading, Math, Science Reasoning, and a Writing test. Technical colleges do not require the ACT, but may accept the score in place of their testing.

SAT: The SAT test is similar to the ACT but is published by a different company and is preferred by east and west coast schools. For more information, go online at www.collegeboard.org.

Testing

PreActSecure: PreACT Secure is the name given to the freshman and sophomore version of the ACT. The test format and subject areas are the same as the ACT. The PreACT is an excellent way for students to see how they are doing academically compared to other students their age. All 9th and 10th graders are required to take the PreACT Secure.

PSAT: The PSAT (Preliminary Scholastic Aptitude Test) is offered to juniors in October. Some students may want to take the PSAT to practice taking a standardized college entrance exam. Juniors with very high PSAT scores may qualify for the National Merit Scholarship Program. PSAT scores may be required for certain highly selective scholarships so students with a high class rank may be interested. There is a fee to take this test.

ASVAB: The ASVAB (Armed Services Vocational Aptitude Battery) is free and is offered on a weekday morning in the fall to all juniors and any interested seniors. The test includes a vocational component, which many students use in the career development process. The ASVAB is administered at Cumberland High School by military personnel. Students considering military options after high school may want to take the ASVAB.

AP EXAMS: Some students may choose to take AP (Advanced Placement) exams after completing the appropriate course work. The AP exams are taken in May at Cumberland High School. If a student is interested in taking an AP exam, they need to sign up with Student Services. Some colleges and universities will accept AP exam scores as college level credit. Each college and university has a different cut-off score.

Start Your Future Now

You can earn Northwood Technical College credits while in high school. The table below shows the Cumberland High School courses that are transcribed with Northwood Technical College. This means that the courses taught in Cumberland are the same as the courses taught at Northwood Technical College and students earn technical college credit for successful completion with a grade of “C” or higher.

These credits can be applied to Northwood College programs or transferred to other institutions. Each student will receive an official transcript from Northwood Technology showing the courses and corresponding grades (upon request). **There are no student or school fees for the courses.**

Cumberland High School Courses with Technical College Agreement	
Computer Science Courses	
Microsoft Word	Northwood
Business Courses	
Accounting I	Northwood
Introduction to Business	Northwood
Personal Finance	Northwood

COURSE DESCRIPTIONS

AGRICULTURE

The courses offered introduce the students to the dynamic industry of agriculture. Students will gain a general understanding of agribusiness, animal science, biotechnology, conservation, wildlife, forestry, and horticulture. Students who wish to obtain a general background in agriculture may elect to take a course from the list below.

Animal Systems Pathway	Natural Resource Systems Pathway	Plant Systems Pathway	Agribusiness Systems Pathway
Pet & Companion Animal Care (9-12)	Wildlife & Forestry (9-12)	Horticulture (9-12)	Ag Leadership (9-12)
Large Animal Science (9-12)	Wetland Environment (9-12)	Wetland Environment (9-12)	Food Science and Ag Processing (9-12)
Veterinary Science (10-12) <i>*Prerequisite: Pet Care or Large Animal Science</i>	Natural Resource Management (11-12) <i>*Science Credit</i>	Wildlife & Forestry (9-12)	
Food Science and Ag Processing (9-12)	Ag Leadership (9-12)	Natural Resource Management (11-12) <i>*Science Credit</i>	
		Ag Leadership (9-12)	



The production, processing, marketing, distribution, financing and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture and other plant and animal products/ resources.

Pathways:

Food Products and Processing Systems Pathway
Plant Systems Pathway
Animal Systems Pathway
Power, Structural, and Technical Systems Pathway
Natural Resource Systems Pathway
Environmental Service Systems Pathway
Agribusiness Systems Pathway



Planning, managing, and providing education and training services, and related learning support services.

Pathways:

Administration and Administrative Support Pathway
Professional Support Services Pathway
Teaching and Training Pathway



Planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment, and facility maintenance.

Pathways:

Transportation Operations Pathway
Logistics Planning and Management Services Pathway
Warehousing and Distribution Center Operations Pathway
Facility and Mobile Equipment Maintenance Pathway
Transportation Systems/ Infrastructure Planning, Management and Regulation Pathway
Health, Safety and Environmental Management Pathway
Sales and Service Pathway



Preparing individuals for employment in career pathways that relate to families and human needs.

Pathways:

Early Childhood Development and Services Pathway

Counseling and Mental Health Services Pathway

Family and Community Services Pathway

Personal Care Services Pathway

Consumer Services Pathway

Agriculture Leadership

0.5 Credit

Grades 9-12



In this course, focus will be placed on building student leaders and increasing agricultural literacy. Emphasis will be placed on the following topic areas: Current Ag Issues, Public Speaking, Goal Setting, Leadership Skill Development, Community Service, Time Management, Effective Communication, Personal Growth, Career Exploration, and more!

Food Science and Ag Processing

0.5 Credit

Grades 9-12



This class will take a closer look at how food is produced, processed, and prepared. Special emphasis will be placed on nutrition, food safety, and marketing.

Horticulture

0.5 Credit

Grades 9-12



In this plant science course, students will explore the care of plants while gaining hands-on experiences in our greenhouse and in the Outdoor Classroom. Students will have the opportunity to use the greenhouse to start vegetables and flowers to bring home to their own gardens and landscapes. Major topic areas include: Plant Identification, Anatomy and Physiology, Propagation, Plant Care, Soils, Floral Design, Gardening, Landscape Design, Pruning, Ag Leadership, Career Exploration, and more!

Large Animal Science

0.5 Credit

Grades 9-12



In this animal science course, students will learn about the importance and care of a variety of large animals raised in the agriculture industry. Major topics include: Domestication, Horses, Dairy Cattle, Beef Cattle, Sheep, Pigs, Chickens, Goats, Alternative Animal Agriculture, Genetics, Nutrition and Digestion, Meat Science, Animal Welfare, Ag Leadership, Career Exploration, and more!

Pet and Companion Animal Care

0.5 Credit

Grades 9-12



In this animal science course, students will learn about a variety of small animals considered as pets with special focus placed on responsible pet ownership. Major units include: Small Animal Industry, Safety, Animal Welfare, Nutrition and Digestion, Handling, Dogs, Cats, Small Animals, Birds, Reptiles, Fish, Amphibians, Ag Leadership, Career Exploration, and more!

Veterinary Science

0.5 Credit

Grades 10-12



Prerequisite: Large Animal Science or Pet and Companion Animal Care

In this animal science course, students will be exposed to advanced concepts associated with the care of pets and livestock. Major topic areas include: Ag as Science, Medical Terminology, Anatomy and Physiology of Body Systems, Disease Causing Agents, Animal Behavior, Growth and Development, Parasites, Genetics, Drug Administration, Ag Leadership, Career Exploration, and more!

Wetland Environment

0.5 Credit

Grades 9-12



In this natural resource management course, focus will be placed on the value of wetland environments and the organisms that reside there. Students will gain valuable hands-on experiences in our Outdoor Classroom. Students will also have the opportunity to complete a fish taxidermy project. Major topic areas include: Wetlands, Fish, Waterfowl, Wetland Plants, Aquaculture Marketing, Lake Aging, Water Quality, Wastewater Management, Soils, Glaciers, Conservation, Taxidermy, Ag Leadership, Career Exploration, and more!

Wildlife and Forestry

0.5 Credit

Grades 9-12



In this natural resource management course, students will explore Wisconsin's outdoor environment with focus placed on our forest and wildlife resources. Students will gain valuable hands-on experiences in our Outdoor Classroom. Major topic areas include: Forest Botany, Wisconsin Forest History, Forest Management Skills, Forest Products, Land Use and Soil Conservation, Concepts in Natural Resource Management, Game Management, Wisconsin Wildlife, Ag Leadership, Career Exploration, and more!

Natural Resource Management

1.0 Credit

Grades 11-12



This course takes a closer look at natural resource management through a scientific perspective. Students will identify and study a variety of natural resources and gain valuable hands-on experiences in our Outdoor Classroom. Natural Resource Management will focus on topics such as Ecology, Sustainability, Biodiversity, Conservation, Pollution, Climate, Current Environmental Issues, Environmental History, Ag Leadership, Career Exploration, and much more! ***This class counts as a 1.0 credit science elective.***

ART EDUCATION

Students enrolled in Art courses are introduced to the many areas of visual art and design. Art courses provide students with the knowledge and skills necessary to be successful in the 21st century workforce. The benefits of enrolling in visual art courses include the development of skills such as problem solving, critical thinking, communication, cooperation, hand-eye coordination, craftsmanship, and goal setting. Completion of these courses will fulfill the one credit Fine Arts requirement toward graduation.



Designing, producing, exhibiting, performing, writing and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.

Pathways:

Audio and Video Technology and Film Pathway

Printing Technology Pathway

Visual Arts Pathway

Performing Arts Pathway

Journalism and Broadcasting Pathway

Telecommunications Pathway



Building linkages in IT occupations framework for entry-level, technical, and professional careers related to the design, development, support and management of hardware, software, multimedia, and systems integration services.

Pathways:

Network Systems Pathway

Programming and Software Development Pathway

Web and Digital Communications Pathway

Information Support and Services Pathway

Digital Photography

0.5 Credit

Grades 9-12



This is an introductory digital photography course and is open to all students. The purpose of this class is to learn basic camera functions and how to manipulate digital images utilizing Adobe Photoshop. Topics covered include the history of photography, composition, lighting, color correction, photo retouching and artistic applications. Students will create an online photography portfolio to showcase their work and demonstrate their understanding of digital photography.

Foundations of Art

0.5 Credit

Grades 9-12

***This course is strongly recommended prior to taking additional art classes.**



Foundations of Art is an introductory art course designed to familiarize students to the Elements of Art and Principles of Design. Students will build basic skills in art and explore a wide range of areas within the arts including, drawing, painting, printmaking, sculpture and computer design. In addition, class participants will investigate art history and careers in art as they pertain to assignments.

Drawing

0.5 Credit

Grades 9-12

***Foundations of Art is strongly recommended prior to taking this course.**



This course teaches students the basic skills, vocabulary and techniques used in drawing. Students will learn to draw from direct observation, experiment with cartooning, learn to judge proportion and understand depth, form and space. Mediums used will be pencil, charcoal, conte-crayon, pen and ink, marker, chalk, oil pastel, colored pencil and more! Various cultures and artists throughout history will be discussed over the course of the semester.

Painting

0.5 Credit

Grade 9-12

***Foundations of Art is strongly recommended prior to taking this course.**



Painting is for students interested in creating 2D art using paint as the primary medium. Color theory, harmony and basic painting vocabulary will be covered. Through experimentation with several techniques and methods of painting, students will gain an understanding and appreciation for this form of art. We will primarily be using acrylic paint, but will also experiment with watercolor and mixed media. A variety of surfaces will be painted on including, stretched canvas, wood panel, paper and pre primed canvas board. Various cultures and famous artists throughout history will be referenced throughout the semester.

Sculpture/Pottery

0.5 Credit

Grades 9-12

***Foundations of Art is strongly recommended prior to taking this course.**



Students in Sculpture/Pottery will explore the art of ceramics and the creation of 3D forms. While functional pottery is the main focus of this course, exploration of decorative forms will also be incorporated using clay, wire, tape, plaster and various other materials. Participants in this course will develop basic skills and learn a wide range of vocabulary associated with this type of art making. Several hand-building techniques will be introduced, including pinch, slab and coil construction. In this class students will learn how to use the potter's wheel. Many artists, styles of art and cultures will be referenced throughout the semester.

Design

0.5 Credit

Grades 9-12

***Foundations of Art is strongly recommended prior to taking this course.**



Students enrolled in this course will take a look at the important role design plays in society today and learn about the impact it has on people throughout the world. During the semester students will examine the elements and principles of design and explore various areas study within the design world. Focus topics will be graphic design, industrial or product design, fine art, photography and fashion design. This course is an excellent choice for any student who might be considering art or design as an occupation in the future. It is also a good choice for anyone interested in using a variety of materials to create art. While computer design plays an integral role in this course, students will also experiment with materials including clay, paper-mache, duct-tape, a variety of drawing materials and a digital camera.

Advanced Art

0.5 Credit

Grades 11-12



Prerequisite: Foundations of Art and a minimum of 2 other offered art courses.

Advanced Art: Independent Study is an advanced level art course designed to encourage students to further develop their talents and abilities in a specific area of interest. This course is taught in a project-based, independent study format. Students will be required to maintain a project portfolio throughout the entire semester. Instructor approval is required to register for this course. Students enrolled must demonstrate an acceptable level of maturity required for self-directed, classroom study.

Printmaking

0.5 Credit

Grades 10-12



Prerequisite: A minimum of 2 other offered art courses.

Printmaking: This course will cover an assortment of printing techniques such as hand printing and screen printing. We will be looking at both artists and the many uses of printing throughout history. Prints will be drafted with a combination of free hand drawing and digital designing. We will be printing both fine art and functional art pieces such as printed shirts. Printmaking is an advanced art technique that requires student maturity to successfully create pieces.

BUSINESS EDUCATION

COMPUTER SCIENCE AND BUSINESS EDUCATION

<https://www.wicareerpathways.org/Home/Educators>



Business management and administration careers encompass planning, organizing, directing and evaluating business functions that are essential to efficient and productive business operations. These career opportunities are available in every sector of the economy.

Pathways:

- Human Resources Management
- Operations Management
- Administrative Support
- Operations Management



People working in finance are involved in developing services for financial and investment planning, banking, insurance and business financial management.

Pathways:

- Insurance
- Securities and Investments
- Accounting
- Banking Services
- Business Finance



Information technology entry level, technical and professional careers related to the design, development, support and management of hardware, software, multimedia and systems integration services.

Pathways:

- Programming and Software Development
- Web and Digital Communications
- Network Systems
- Information Support and Services



People working in marketing careers plan, manage and perform marketing activities to reach organizational objectives.

Pathways:

- Merchandising
- Professional Sales
- Marketing Research
- Marketing Communications
- Marketing Management

Introduction to Business

0.5 credit

Grades 9-12

(Northwood Tech Transcribed Credit)



This course gives students a broad knowledge of business. Students will learn how businesses are started, organized and managed. Guest speakers will be part of the course. This course is a good initial course for freshman and sophomore interested in business, the computer field, accounting, marketing and management. **This class is transcribed credit with Northwood Technical College, which means that you can receive Northwood Tech credit if you maintain a C or better.**

Web Design

0.5 Credit

Grades 9-12



Have fun designing web pages using HTML5 and CSS3. Learn the dos and don'ts of web page design by evaluating existing web pages. Let your creative side show when you create professional, up-to-date websites that are eye appealing, easy to navigate and includes audio and video (YouTube) along with images.

Programming I: Video Game Design

0.5 Credit

Grades 9-12



Code.org predicts there will be 1.4 million jobs available in computer programming. Video Game Design is an introductory course that will provide students with the opportunity to design, program, and create functional videos games using STEMFUSE. The course will teach students drag and drop programming, playtesting, and bug fixing. **No previous programming experience is required**

Microsoft Office/Google Apps

0.5 Credit

Grades 9-12

(Northwood Technical Transcribed Credit)



Microsoft Office will specialize on three parts of the Office Suite: by completing hands-on projects using Word, Excel, and PowerPoint. By completing this course you would be able to take the **Microsoft Certified Application Specialist Exam (MOS)** and become MOS certified. Having a MOS certification on your resume, college/scholarship applications, and job applications is just one more way to show your expertise in the area of computer software. **This class is transcribed credit with Northwood Tech, which means that you can receive Northwood Tech credit**

**If you are planning on continuing your education, to a 2 or 4 an accredited university, this course is highly recommended.*

Accounting I

1.0 Credit

Grades 9-12



(Northwood Technical Articulated Credit)

Accounting I is an introductory accounting course. Students will learn the basics of accounting: debits and credits, recording transactions, preparing financial statements, payroll, etc. In addition to practicing skills through daily assignments, students will also complete a culminating simulation project at the end of each semester. Since most college Business programs require taking at least one Accounting course, students who complete Accounting I at the high school level are far more prepared for the college level classes. **This class is articulated with Northwood Technical College.**

ENGLISH

All English courses require students to demonstrate a minimum competency in reading, writing, and speaking. Four credits are required for graduation.



Designing, producing, exhibiting, performing, writing and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.

Pathways:

Audio and Video Technology and Film Pathway

Printing Technology Pathway

Visual Arts Pathway

Performing Arts Pathway

Journalism and Broadcasting Pathway

Telecommunications Pathway



Business management and administration careers encompass planning, organizing, directing and evaluating business functions that are essential to efficient and productive business operations. These career opportunities are available in every sector of the economy.

Pathways:

Human Resources Management

Operations Management

Administrative Support

Operations Management



Preparing individuals for employment in career pathways that relate to families and human needs.

Pathways:

Early Childhood Development and Services Pathway

Counseling and Mental Health Services Pathway

Family and Community Services Pathway

Personal Care Services Pathway

Consumer Services Pathway



Information technology entry level, technical and professional careers related to the design, development, support and management of hardware, software, multimedia and systems integration services.

Pathways:
Programming and Software Development
Web and Digital Communications
Network System
Information Support and Services

English 9

1.0 Credit

Grade 9



This course is required for graduation. Students in English 9 will engage in learning tasks that will emphasize reading, writing, and speaking. Students will read a variety of texts that include the following: short stories, novels, drama, fiction, and non-fiction. Students will enhance their writing skills with an emphasis on grammar, mechanics, and MLA formatting. Students will formulate and communicate clearly through summative writing, presentations, and speeches.

English 10

1.0 Credit

Grade 10



This course is required for graduation. Sophomore English is designed to continue to introduce students to the study of literature and language. Various types of literature will be read and discussed including novels, short stories, epic poetry, and nonfiction. Emphasis will also be placed on grammar, sentence structure, and literary terminology. Writing will consist of essays and compositions. Students will deliver persuasive speeches and engage in technological presentations making insightful connections in response to their reading. Students will work individually, in small groups, and within the class as a whole.

English 11

1.0 Credit

Grade 11



This course is required for graduation. In this junior level English course students will be reading and critiquing a variety of texts including short works of fiction, novels, and plays. Students will use literary interpretation, analysis, comparison, and evaluation to read and respond to representative works of literature. A section of this course will be an ACT Prep component as well in an effort to support student success. A section of this course will be dedicated to assist students in writing their college essay(s) in an effort to support student success towards higher learning. By the end of this course students will be prepared not only for senior level classes as effective communicators but will be on a path for success beyond the walls of the classroom.

Concepts of English

1.0 Credit

Grade 12



This course is **NOT** required for graduation; however, it is a year-long option for seniors. This course is designed for seniors that want to go directly into the workforce after graduation. Emphasis will be placed on grammar and sentence structure. Technical English will also be discussed, such as Emails, cover letters, and demonstration speeches. The literature read in this course will be mainly nonfiction articles which relate to the world outside of high school. In addition to technical English, writing opportunities will be given to reflect on the students past as they look forward to the future.

Elective English Classes

American Literature

0.5 Credit

Grade 11 and 12



In American Literature, we will be reading and analyzing significant works of American Literature from the 20th century. This course will present literature from a historical perspective to enable students to approach literature with a critical lens to examine history through fictional works. This course emphasizes skills and strategies for independent reading of, analyzing, and writing about works of American literature, with a focus on how that literature reflects social, political, and moral issues within the history of the United States.

Contemporary Literature

0.5 Credit

Grade 11 and 12



Welcome to Contemporary Literature! In this course we will explore texts from the 21st century and examine relevant issues in our modern world. We will also practice skills in critical close reading, thinking carefully and writing about texts, and development of complex approaches to modern texts.

Sports and Outdoor Literature

0.5 Credit

Grade 11 and 12



This course explores literature about sports and outdoor adventure through a mix of full-class and independent reading selections. The reading will include both fiction and nonfiction novels and novellas. This class encourages students to evaluate how sports and the outdoors can play an important role in society and their lives. Students will utilize oral and written responses to the reading as a large part of course evaluation.

Creative Writing

0.5 Credit

Grade 11 and 12



This course is designed for students who ENJOY WRITING. This course is taught as a genre study. Students will learn about the various genres of literature and write a short story that matches each of them. This course demands a commitment to writing, revising, and sharing work, as well as a willingness to use one's imagination. In addition to participating in the writing and editing process, students will review the grammatical skills needed to write a successful short story.

Elective English Classes

Theatre Arts

0.5 credit

Grade 11 and 12



This drama course is an introduction to theatre and basic acting. Principles of improvisation, theatre history, and theatre as an art form, stage blocking, monologues, ensemble acting, short dramas, and basic stagecraft will be covered during the semester. The course is a performance class. Students are expected to work diligently toward an excellent product. Reading, writing, rehearsing and memorizing are vital to success in Theatre Arts. The class is interactive and energetic. The semester will finish with a large project in which each student writes their own two-act play.

College Prep English

0.5 Credit

Grade 11 and 12



The goal of this course is to engage at upper levels of communication as a means of gaining practical experience as effective communicators to prepare for future college paths. Students will develop and implement skills in writing, rhetoric, and creative thinking in a variety of communication techniques. Students will demonstrate abilities to identify, access, evaluate, and integrate information from diverse sources for purposeful application. By the end of this course students will walk away with the crucial skills to navigate the modern world as independent lifelong learners.

Northwood Intro to Public Speaking

0.75 Credit

Grade 12



This course provides the opportunity to significantly improve your public speaking skills by practicing and delivering speeches in a safe environment with personalized feedback. An emphasis will be placed on real-world communication skills and speech preparation. In addition, video recording and self-evaluation will help you rapidly strengthen your speaking skills. Strong public speaking skills will serve you well in college and beyond!

Northwood English Composition

0.75 Credit

Grade 12



This is a composition course focusing on the writing process and critical reading. Emphasis will be on essays that incorporate readings. Prerequisite: Teacher recommendation and passing a placement assessment. Three University of Wisconsin credits will be awarded upon successful completion of this course.

FAMILY AND CONSUMER SCIENCE



The production, processing, marketing, distribution, financing and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture and other plant and animal products/ resources.

Pathways:

Food Products and Processing Systems Pathway
Plant Systems Pathway
Animal Systems Pathway
Power, Structural, and Technical Systems Pathway
Natural Resource Systems Pathway
Environmental Service Systems Pathway
Agribusiness Systems Pathway



Preparing individuals for employment in career pathways that relate to families and human needs.

Pathways:

Early Childhood Development and Services Pathway
Counseling and Mental Health Services Pathway
Family and Community Services Pathway
Personal Care Services Pathway
Consumer Services Pathway



Hospitality and Tourism encompasses the management, marketing and operations of restaurants and other food services, and biotechnology research and development.

Pathways:

Restaurants and Food/Beverage Services Pathway
Lodging Pathway
Travel and Tourism Pathway
Recreation, Amusement and Attractions Pathway



Designing, producing, exhibiting, performing, writing and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.

Pathways:

Audio and Video Technology and Film Pathway
Printing Technology Pathway
Visual Arts Pathway
Performing Arts Pathway
Journalism and Broadcasting Pathway



Telecommunications Pathway

Preparing individuals for employment in career pathways that relate to families and human needs.

Pathways:

Early Childhood Development and Services Pathway

Counseling and Mental Health Services Pathway

Family and Community Services Pathway

Personal Care Services Pathway

Consumer Services Pathway

Foods I

0.5 Credit

Grades 9-12



This course is a nutrition-based curriculum with health and wellness emphasized. Basic skills in food preparation and safety will be taught. Students will prepare a variety of foods including breads, vegetables, fruits, milk products, meat, poultry, fish and eggs. The planning and serving of meals will be included.

Foods II: Culinary Management

0.5 Credit

Grades 9-12



Prerequisite: Foods I or consent from the teacher. Students will complete hands-on cooking exercises to better understand the dynamics of seasoning and flavor. Special emphasis is placed on building flavor in a healthy kitchen through appropriate cooking techniques. Students will prepare homemade meals, pastries, yeast breads, meats and poultry, salads, and desserts. We will also explore careers in the Foodservice Industry.

International Cuisine

0.5 Credit

Grades 9-12



Prerequisite: Foods I or consent from the teacher. Students gain a better understanding of our world by experiencing its food and culture. International cuisine is designed to help students become aware of the many different geographic regions of the world through the medium of food and research. Students will explore cultural diversity, national values, food sources and choices based on geographical locations, and their impact on people's diet. We will also prepare recipes and taste several different foods of the world. Technology will also be used to share information and interact with other countries.

Fashion Design

0.5 Credit

Grades 9-12



Students will work on individual projects to develop creative design and basic sewing skills. Topics will include elements and principles of design, quilting, and basic sewing and "new" technology of fashion design. Students must supply basic sewing equipment, patterns, and fabric. ***Offered every other year. Will be offered 2017-2018 school year.***

Child Development & the Family

0.5 Credit

Grades 9-12



This semester course explores human growth and development from conception to age 4. Students gain insight into the developmental needs of children through class work, activities and participation at the Early Learning Center. This class will also focus on family dynamics including parenting, finances, and the challenges of family life.

Medical Terminology

.75 Credit

Grades 11-12

(3 Northwood Technical College Credits)



Focuses on the component parts of medical terms: prefixes, suffixes and word roots. Students practice formation, analysis and reconstruction of terms. Emphasis on spelling, definition and pronunciation. Introduction to operative, diagnostic, therapeutic and symptomatic terminology of all body systems, as well as systematic and surgical terminology. **This class is a contracted course with Northwood, which means that you can receive 3 Northwood credits if you maintain a C or better on the Northwood Technical College grading scale.**

Advanced Foods

.05 Credit

Grades 11-12



This course is designed to further guide students in the discovery of nutrient value, appetite appeal, social significance and the cultural aspects of food and eating. Food preparation, nutrition, meal management, and culinary skills will be emphasized throughout the course. Kitchen safety, food sanitation and proper use and understanding of equipment will be studied, demonstrated and utilized. Etiquette, menu planning, costs and consumer responsibility will also be explored. Students will spend significant time exploring food preparation.

Course Requirements- Foods I and Foods II

Youth Apprenticeship/Work Based Learning**0.5-2.0 Credits****Grades 11-12**

Youth Apprenticeship (YA) 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. Students may have the opportunity to get reimbursed for job-related expenses up to \$200.

HEALTH



Preparing individuals for employment in career pathways that relate to families and human needs.

Pathways:

Early Childhood Development and Services Pathway

Counseling and Mental Health Services Pathway

Family and Community Services Pathway

Personal Care Services Pathway

Consumer Services Pathway

Health

0.5 Credit

Grades 9-12



Every student needs .5 credit of health to graduate. Students that have not taken Health in 8th grade will need to complete this course during their high school career. This online course from Acellus will touch upon many areas that will help students to make healthy choices, including: responsible decision making, self-esteem, dealing with peer pressure, skin cancer, eating disorders, human growth and development, personal wellness and fitness.

MATHEMATICS



Planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering), including laboratory and testing services, and research and development services.

Pathways:

Engineering and Technology Pathway
Science and Mathematics Pathway



Careers in designing, planning, managing, building, and maintaining the built environment.

Pathways:

Design and Pre-Construction Pathway
Construction Pathway
Maintenance and Operations Pathway



People working in finance are involved in developing services for financial and investment planning, banking, insurance and business financial management.

Pathways:

Insurance
Securities and Investments
Accounting
Banking Services
Business Finance



Business management and administration careers encompass planning, organizing, directing and evaluating business functions that are essential to efficient and productive business operations. These career opportunities are available in every sector of the economy.

Pathways:

Human Resources Management
Operations Management
Administrative Support
Operations Management

In order to take Calculus as a senior, students must take all math classes according to the sequence chart on page 5. Starting with the Class of 2017, students will be required to take 3 math credits.

High School Credit for Algebra Taken by Middle School Students

High School credit will be awarded to middle school students for taking Algebra I in 8th grade, and the students will be able to take Geometry their Freshman year in accordance with the following:

1. The credit is earned in a course that is taught using a curriculum and assessments that are equivalent to the curriculum and assessments used to teach the subject in the high school grades.
2. Students and parents understand that this credit and grade will be included in their student's High School Transcript and factored into the student's high school grade point average, and class rank.
3. Students may choose to take Algebra I again as a freshman and their High School Transcript will reflect the highest grade they obtained in the class, but they will only be awarded a total of one credit for the course. The course can only be retaken as a Freshman in sequence with the math curriculum.

Pre-Algebra

1.0 Credit

Grade 9



Prerequisite: Performance in Math 8. This is a course designed for students as a building block into the algebra curriculum. Topics covered in this class include decimals and fractions, solving equations, ratios and proportions, polynomials, linear equations, and graphs of functions.

Algebra I

1.0 Credit

Grades 9-10



Prerequisite: Performance in Math 8 or Pre-Algebra. This course is required for graduation. This course focuses on Basic Algebra with an emphasis on problem solving. This is a course for students who are planning to attend a four-year college or a two-year technical college program. Topics of study include real numbers, solving linear equations and inequalities, systems of equations, factoring, polynomials and quadratic functions.

Algebra II

1.0 Credit

Grades 10-11



Prerequisite: Algebra I. This is a course for students who are planning to attend a four-year college. Algebra II extends the concepts learned in Algebra I and additionally covers matrices, conic sections, rational, exponential and logarithmic functions. If you are a sophomore intending to take Geometry and Algebra II concurrently, you must have received an A average each semester of Algebra I.

Geometry

1.0 Credit

Grades 9-12



Prerequisite: Algebra I. Topics of study include plane, solid and transformational geometry, including logical thinking and the construction of proofs. This is a course for students who are planning to attend a four-year college or a two-year technical college program. If you are a sophomore intending to take Geometry and Algebra II concurrently, you must have received an A average each semester of Algebra I.

Pre-Calculus/Trigonometry

1.0 Credit

Grades 11-12



Prerequisite: Algebra I, Algebra II and Geometry. Grade of C or better in Algebra II and consent of instructor. This is a course that sets students up for the study of higher-level mathematics including Calculus and advanced sciences. Topics of study include polynomial, rational, exponential, logarithmic, and trigonometric functions. Additional topics include analytical trigonometry, vectors, limits, continuity, derivatives, and integrals. ***Current math instructor's signature required for enrolling in this class.**

Calculus

1.0 Credit

Grade 12



Prerequisite: Grade of C or better in Pre-Calculus and consent of instructor. Covers a term of university calculus, with an emphasis on limits and properties, differential calculus with applications and integral calculus with applications. ***Current math instructor's signature required for enrolling in this class.**

Statistics

1.0 Credit

Grades 11-12



Prerequisite: Must be a junior or senior. This course will study the concepts of probability and statistical inference using sets. Considers data summary, centers, and variation, and statistical decision-making.

Technical Math

1.0 Credit

Grade 12



Prerequisite: Open to all seniors who have successfully passed two math courses. This is a course designed for students interested in a technical career, including the medical, manufacturing, and computer science fields. Topics covered in this course include the basics of arithmetic, algebra, geometry, trigonometry, and statistics. Students will also work on skills needed to be accepted into technical college and apprenticeship programs (ASSET, COMPASS, ASVAB, ACCUPLACER, ETC).

MUSIC



Designing, producing, exhibiting, performing, writing and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.

Pathways:

Audio and Video Technology and Film Pathway

Printing Technology Pathway

Visual Arts Pathway

Performing Arts Pathway

Journalism and Broadcasting Pathway

Telecommunications Pathway

The courses offered introduce the students to music and fine arts. Students may pursue the study of music, either vocal or instrumental, which are performing areas with some curriculum stressing non-performing areas of music. One credit in this area will fulfill graduation requirements for the fine arts.

Band

1.0 Credit

Grades 9-12



Prerequisite: Participation in middle school band. Audition on your instrument to display self-taught or other abilities not acquired at this school or consent of instructor. This course deals predominantly with the study, rehearsal and performance of wind band music of the last three centuries. Students are required to purchase a supply card so that he/she may draw necessary supplies. Students are also required to attend lessons regularly. There is also a list of mandatory performances that each student must adhere to. A copy of the list may be obtained from the director prior to the beginning of the school year. It is hoped that students will sign up for band with these three items in mind: (1) the development of musical knowledge and appreciation, (2) the opportunity to increase one's cooperative abilities and self-esteem, and (3) a desire to serve the school community in a musical sense.

Jazz Band

0.5 Credit

Grades 9-12



Prerequisite: A minimum of 4 years experience on primary jazz instrument or with consent of the instructor. This course deals predominantly with the study, rehearsal, and performance of Jazz/Stage Band Music.

Choir**1.0 Credit****Grades 9-12**

Prerequisite: Student must be able to match pitches and be disciplined enough to exert the focused effort and focused attention required for successful performance. The student can expect to learn proper singing technique, develop his/her individual and corporate singing abilities, and study and experience choral repertoire representation of all periods of music history. Attendance at rehearsals, concerts, and contests is mandatory.

Chamber Choir**1.0 Credit****Grades 9-12**

Prerequisite: Consent of instructor. Chamber Choir is an auditioned choral ensemble in which students can expect to study choral literature from all historical periods and develop a high proficiency in music reading skills. Attendance at rehearsals, concerts, and contests is mandatory.

Music Theory**0.5 credit****Grades 9-12**

Independent Study: Consent of Instructor. Music Theory is a general music course that explores the areas of music publishing programs, ear training, music history, and music composition. This is an independent course so students should expect to adhere to a set course of study with weekly benchmarks, assignments, and proficiency exams.

PERSONAL FINANCE



People working in finance are involved in developing services for financial and investment planning, banking, insurance and business financial management.

Pathways:

Insurance

Securities and Investments

Accounting

Banking Services

Business Finance

Personal Finance is a required course for all Juniors.

Personal Finance

0.5 Credit

Grade 11



(3 Northwood Tech Transcribed Credits)

Students will learn a variety of money management skills they can use now and throughout their lives. They will learn to create a budget, use a checkbook, manage savings and investments, complete tax forms, take out loans, use credit wisely, and buy and insure a car. This class is designed to expose the student to various areas of personal finance. It will discuss sound approaches to making various financial decisions, the impact they will have on their lives, and how financial situations and priorities change over time. **This class is transcribed credit with Northwood Tech, which means that you can receive 3 Northwood Tech credits if you maintain a C or better.**

PHYSICAL EDUCATION



Preparing individuals for employment in career pathways that relate to families and human needs.

Pathways:

Early Childhood Development and Services Pathway

Counseling and Mental Health Services Pathway

Family and Community Services Pathway

Personal Care Services Pathway

Consumer Services Pathway

Students will participate in a variety of health-enhancing physical activities to promote a healthy and active lifestyle. Cumberland High School requires 1.5 credits of physical education.

Dynamic Fitness

0.5 Credit

Grades 9-12



This course combines components of aerobics along with various fitness activities that focus on body composition, flexibility, muscular strength and endurance. The fitness center will be utilized and activities such as dance revolution, physio balls, bosu balls, kickboxing, Zumba and other electronic movement activities are explored.

Competitive Team Sports

0.5. Credit

Grades 9-12



This class is for students who enjoy a high level of competition in individual/dual and team sports. Units include but not limited to: football, soccer, tennis, softball, ultimate Frisbee, disc golf, floor hockey, broomball, intense dodge ball, volleyball, basketball, badminton, eclipse ball, and ping pong.

Strength and Conditioning

0.5 Credit

Grades 9-12



General weight training gives each student the opportunity to learn correct training techniques and methods, build strength and improve their fitness level. The BFS four-day weight program will be introduced and followed. Students will chart progress and set new lifting limits monthly. Speed and agility training is also implemented as well as cardiovascular training. Students are required to report on various fitness articles each quarter.

Advanced Bigger Faster Stronger

0.5 Credit

Grades 11-12/Consent of Instructor



Prerequisite: Strength and Conditioning. Bigger Faster Stronger allows students who have successfully completed Strength and Conditioning the opportunity to continue their program. An honest appreciation for weight training and self-motivation is imperative for success in this class. The Bigger Faster Stronger weight program will be used at a more intense and advanced level. Speed and agility warm-ups are incorporated and topics such as nutrition, supplements, recovery time, and body composition are introduced. Students are required to report on various fitness articles each quarter. ***Current physical education instructor's signature required for enrolling in this class.**

Outdoor and Lifetime Pursuit

0.5 Credit

Grades 9-12



The course is designed to provide knowledge and opportunity for skill improvement in lifetime activities. The class focuses on the following lifetime activities: golf, archery, bocce ball, disc golf, canoeing/kayaking, softball, speedball, horseshoes, bowling, X-country skiing, snowshoeing, broomball, volleyball, basketball, badminton, pickleball, and ping pong. There are fees for golf/canoeing and bowling.

Healthy Living

0.5 Credit

Grades 9-12



This course is designed to speak positively to all students regarding their own mental wellness, including their understanding of mental health and wellness as well as learning to identify when their own mental wellness may be at risk. Topics to be covered include , but may not be limited to, the following areas of mental wellness: relationships, emotions, core values, rest and pla, stress resilience, care for the body, organization, and school/work.

Disclaimer:This course may touch on trauma for psychoeducational purposes (i.e. what is trauma; how does it affect the brain, etc.) however, it is not designed to be therapeutic in nature nor provide treatment for any individuals who have experienced traumatic events throughout their lives.

SCIENCE



Planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering), including laboratory and testing services, and research and development services.

Pathways:

Engineering and Technology Pathway
Science and Mathematics Pathway



Preparing individuals for employment in career pathways that relate to families and human needs.

Pathways:

Early Childhood Development and Services Pathway
Counseling and Mental Health Services Pathway
Family and Community Services Pathway
Personal Care Services Pathway
Consumer Services Pathway



The production, processing, marketing, distribution, financing and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture and other plant and animal products/ resources.

Pathways:

Food Products and Processing Systems Pathway
Plant Systems Pathway
Animal Systems Pathway
Power, Structural, and Technical Systems Pathway
Natural Resource Systems Pathway
Environmental Service Systems Pathway
Agribusiness Systems Pathway

Students are required to take Physical Science as Freshman and Biology as Sophomores. Three science credits are required for graduation.

Physical Science

1.0 Credit

Grade 9



Required for Graduation. This course is designed to give the student an understanding of the basic physical sciences, by studying chemistry for a semester and physics for a semester. The average student will gain a basic understanding of these sciences. The more advanced students will be prepared for further studies in the science electives in later years. This course utilizes both lecture and laboratory procedures.

Biology I

1.0 Credit

Grade 10



Required for Graduation. Biology is the study of all living things and how they are related. This course is designed to provide students with a deeper understanding of the following content areas: the living organism, classification of organisms, the chemistry of living things, cell structure and function, heredity and application of genetics, evolution, an overview of the human body, and ecology. Student will be expected to participate in cooperative learning projects, complete individualized learning projects, and also learn in a traditional lecture/discussion format. In addition students will participate in a variety of laboratory situations and classroom activities.

Six Kingdoms Biology

0.5 Credit

Grades 11-12



Prerequisite: Biology I. This is a one-semester course in which students will explore the characteristics of organisms found in each of the six kingdoms. Students will investigate the different types of bacteria, protists, fungi, plants and animals. ***Please note that this is a one-semester class.***

Advanced Biology

1.0 Credit

Grade 12



Advanced Biology is an elective science course for students who are highly motivated and have strong interest in science. Major topics of instruction include biochemistry, cells, cellular reproduction, photosynthesis, genetics, classifications, evolution and ecology. This class takes a more advanced look at the topics covered in sophomore biology. Students will have the opportunity to design their own experiments, take part in a variety of classroom activities, as well as learn in the traditional lecture/discussion format.

Physiology/Anatomy

1.0 Credit

Grades 11-12



This class is a college preparatory class designed to meet the needs of students planning to attend a four-year college or technical school. Anatomy/Physiology involves a detailed study of most of the body systems with an accent on cause and effect relationship. Laboratory work will predominate. This is a helpful course for those students thinking about a medical career or who just want to know more about the human body.

Chemistry

1.0 Credit

Grades 11-12



Prerequisite: Biology. Chemistry I is a course designed to prepare students for post-secondary educational work in a college or technical setting. It is an essential course for anyone pursuing a career in any science or health-related fields. Along with preparing students for a secondary education it prepares students with knowledge and critical thinking skills that are necessary for making wise science related decisions in their everyday lives. Chemistry I will explore Concepts covered include the structure of matter and the changes, which occur as a result of interactions of matter and energy.

Physics I

1.0 Credit

Grades 11-12



Prerequisite: Completed or enrolled in precalculus/trigonometry. Physics I is the study of motion, forces and energy. Physics are the “rules” that the universe plays by. By taking physics you will have a better understand of the world you live in through how and why things work. Problem solving, critical thinking, and use of the scientific method will help explain physical situations in the world. Projects and a trip to valley fair will be used to bring “real world” concepts to our studies. All students, who plan to attend post-secondary education should take either chemistry or physics.

Human Biology

0.5 Credit

Grade 11-12



Prerequisite: Biology I. This is a one-semester course designed for the non-biologist who wishes to learn more about the human body. Topics covered will include a review of cells, an introduction to the structure and function of tissues, organs, and major organ systems of the human body. ***Please note that this is a one-semester class.***

Natural Resource Management

1.0 Credit

Grades 11-12



TAUGHT BY AGRICULTURE DEPARTMENT. THIS CLASS COUNTS AS A 1.0 CREDIT SCIENCE ELECTIVE. This course takes a closer look at natural resource management through a scientific perspective. The course will focus on topics such as ecology, sustainability, biodiversity, natural resources, pollution, climate, and much more! Students will gain valuable hands-on experiences in our outdoor classroom and school forest.

SOCIAL STUDIES



Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.

Pathways:

Correction Services Pathway
Emergency and Fire Management Services Pathway
Security and Protective Services Pathway
Law Enforcement Services Pathway
Legal Services Pathway



Executing governmental functions to include governance; national security; foreign service; planning; revenue and taxation; regulation; and management and administration at the local, state, and federal levels.

Pathways:

Governance Pathway
National Security Pathway
Foreign Service Pathway
Planning Pathway
Revenue and Taxation Pathway
Regulation Pathway
Public Management and Administration Pathway



Business management and administration careers encompass planning, organizing, directing and evaluating business functions that are essential to efficient and productive business operations. These career opportunities are available in every sector of the economy.

Pathways:

Human Resources Management
Operations Management
Administrative Support
Operations Management



People working in finance are involved in developing services for financial and investment planning, banking, insurance and business financial management.

Pathways:

Insurance
Securities and Investments
Accounting
Banking Services
Business Finance



Hospitality and Tourism encompasses the management, marketing and operations of restaurants and other food services, and biotechnology research and development.

Pathways:

Restaurants and Food/Beverage Services Pathway
Lodging Pathway
Travel and Tourism Pathway
Recreation, Amusement and Attractions Pathway



Preparing individuals for employment in career pathways that relate to families and human needs.

Pathways:

Early Childhood Development and Services Pathway
Counseling and Mental Health Services Pathway
Family and Community Services Pathway
Personal Care Services Pathway
Consumer Services Pathway

Social Studies is the study of History, Government, Economics, Human Behavior and Geography. Three (3) credits are required for graduation from Cumberland High School. Social studies courses also apply toward the elective requirement of college.

U.S. History

1.0 Credit

Grade 9



Required for All Freshman. This course begins with a study of the Western Frontier and proceeds to Immigration, Industrialization & Urbanization, the Progressive Era, and World Expansion. America's involvement in WWI is followed by a study of the Roaring 20's, Great Depression, and WWII. The roles of the U.S. in foreign and domestic issues are covered including the Korean War, Civil Rights Movement, and Vietnam War. The course places an emphasis on the effect people, places, and events of the past have on the U.S. today.

World History

1.0 Credit

Grade 10



Required for All Sophomores. Sophomores will study major turning points that shaped the modern world, from the nineteenth century through the present. The causes, events and consequences of World Wars I and II will be covered. There will be an emphasis on the world since World War II, which includes nationalism/imperialism through the Cold War, the quest of countries seeking independence and changes in current global patterns. Students will study units dealing with the Mideast, Africa, Asia, Europe and Latin American in modern times.

Civics

0.5 Credit

Grades 11-12



Required Junior or Senior Year. This course is designed to provide our students with a practical knowledge and understanding of our American government and its direct connection to them. Relevance to life is imperative for students to connect with the democratic process as citizens of the United States. Students will be able to apply knowledge of the US Constitution and demonstrate their understanding of how the American system of government functions on the local, state and national levels as well as the impact on individual citizen. Students will also be able to demonstrate their understanding that US citizens have both rights and responsibilities in order for our government to maintain order in our society.

Contemporary Issues

0.5 Credit

Grades 11-12



This course will allow the student to examine the many issues that confront us today, from the high cost of Health Care, to our growing Environmental issues, to World conflicts and their effects on the United States. Using the Internet and daily news stories for resources, the student will discuss our World and its challenges to their future.

Personal Law

0.5 Credit

Grades 11-12



This course applies legal principles and practices to the individual's personal relationship with the law. In addition to studying the development of the law, criminal and civil law, specific topics covered also include: law and the minor, school law, juvenile offenses, consumer law, small claims court actions, common torts, contract law, employment rights, bankruptcy, wills, family law, and landlord/tenant relationships. Personal law is a practical course designed to aid each individual in everyday life.

Economics

0.5 Credit

Grades 11-12



This course studies governments and economies around the world. Students will become acquainted with the basic principles of microeconomics and macroeconomics and the effect of these principles on world economies. Through the examination of current events and their relationship to basic economic concepts like supply and demand, students will better understand current economic issues facing our increasingly global society.

Geography

0.5 Credit

Grades 11-12



This course is a study of geography through significant world regions. Each region is looked at through a historical, ethnic, social, physical, political, and environmental context. Students will be engaged in location theory as well as problem solving related to basic geographic problems. This course fulfills the geography requirement in the Minnesota University System.

Human Relations

0.5 Credit

Grades 11-12



This class will serve as an introduction to the world of Psychology and the study of human behavior. It will help students have a better understanding of their evolving self, how to better reach their potential, the wondrous topic of how we learn and who we learn from, and the causes of behavior problems. The course will provide an essential background for those interested in psychology or counseling as a career or those interested in finding out more about themselves.

Sports and Society

0.5 Credit

Grades 11-12



This course will examine the core disciplines of social studies through the lens of sports in America. The goals of this course are to examine:

How sports from each historical era reflect the **political, social and economic** events of that era. The role sports played in shaping the various **political, social and economic** events of historical eras. A variety of **economic** issues facing the sports industry/culture, such as ticket pricing, luxury taxes, competitive balance, retail strategies, revenue sharing, impact and rationale of government subsidies (i.e. taxpayer funded stadiums), salaries/contracts, salary caps, strikes, apparel/retail income, major market competition and advertising. Sports popularity, accessibility and participation in specific **geographic locations** within the country and how this impacts and/or reflects American values, economics and history. Positive and negative **sociological aspects of sports**, such as sports as a means of social mobility and character building, local sports and their impact on their communities, athletes giving back to their communities, problems associated with sports and athletes such as drug usage, pressure, scandals within sports (like doping, gambling, point shaving, cheating, bounties, paying college players), Title IX, race/class/gender struggles, consumerism and the media (coverage, advertising, literature, documentaries, feature films).

Modern US History

0.5 Credit

Grades 11-12



Modern US History is an elective course that focuses on Post-WWII America. The class is designed thematically, as opposed to chronologically, to allow students to focus on different eras of interest while still getting an overview of each decade that shaped America. The course will focus on six themes: *Triumph and Tragedy*, *Taking a Stand*, *Turning Points in History*, *Conflict and Compromise*, *Revolution, Reaction, and Reform*, and *Rights and Responsibilities*. For each theme, students will have one class activity as well as one independent project. This course is designed to promote and develop; research techniques, analytical skills and independent study skills.

TECHNOLOGY

The courses offered are designed to introduce students to the emerging technology and its' role in our life.



Planning, managing, and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance, and manufacturing/process engineering.

Pathways:

Production Pathway

Manufacturing Production Process Development Pathway

Maintenance, Installation, and Repair Pathway

Quality Assurance Pathway

Logistics and Inventory Control Pathway

Health, Safety and Environmental Assurance Pathway

Small Engines

0.5 Credit

Grades 9-12



This class will introduce students to small internal combustion engine theory and components. Students will also be introduced to tools and procedures necessary for small engine service and maintenance.

Introduction to Woods

0.5 Credit

Grades 9-12



Introduction to Woods is a course designed to introduce the students to the basic concepts and technologies used by industry in the production of “wood based” products. The focal point of this class is to learn the safe use of woodworking equipment and become familiar with the basics of the trade through the planning, designing and construction of a project. Students are further encouraged to explore the woodworking and construction industries through individual or group instruction.

Wood Technology I

0.5 Credit

Grades 10-12



Prerequisite: Introduction to Woods. Wood Technology is a course designed to allow the students an opportunity to investigate the woodworking industry on an individual basis. Course content is based upon the design and construction of one or more “wood based” product(s). Emphasis is placed on using methods of production that are commonly found in industry today. Course goals and objectives are designed to test the student’s problem solving and creative abilities.

Introduction to Metals

0.5 Credit

Grades 9-12



This class will introduce students to the vast world of metals. Focus will be placed on safe work habits, precision measurement and layout techniques, machine operation, metal identification and application. One quarter will be spent exploring metal forming and machining using various traditional hand tools, along with the following machine tools; drill presses, metal band saws, grinders, lathes and milling machines. Second quarter students will be exploring welding and cutting techniques using Oxyacetylene, stick arc, wire feed, tig and plasma cutters.

Welding I

0.5 Credit

Grades 10-12



Prerequisite: Introduction to Metals. This class will allow students to advance their prior welding knowledge and skills learned in Intro to Metals. Focus will be placed on welding and cutting technology and techniques used in industry along with blueprint reading.

Manufacturing Metals I

0.5 Credit

Grades 9-12



Prerequisite: Introduction to Metals. This class will allow students to advance their prior machining knowledge and skills learned in Intro to Metals. Focus will be placed on current manufacturing techniques, materials identification, machine operation, blueprint reading and design techniques.

Power Technology I

0.5 Credit

Grades 10-12



Prerequisite: Small Engines. This class explores Internal Combustion engine theory and will examine all types of 2 and 4 cycle engines, small and large. Students will be introduced to maintenance and service of engines, vehicles and other types of machinery associated with transportation, farming and construction.

Power Technology II

0.5 Credit

Grades 10-12



Prerequisite: Small Engines and Power Technology I. This class will focus in depth on service technique for all systems on late model passenger cars and trucks. Students will be introduced to proper diagnostic techniques, correct tool selection, estimating repairs and writing service orders. Students will be able to test their skills on actual cars and trucks that will be serviced and repaired in our shop. This class will meet two hours each day.

STUDENT LEADERS



Executing governmental functions to include governance; national security; foreign service; planning; revenue and taxation; regulation; and management and administration at the local, state, and federal levels.

Pathways:

Governance Pathway
National Security Pathway
Foreign Service Pathway
Planning Pathway
Revenue and Taxation Pathway
Regulation Pathway
Public Management and Administration Pathway



Business management and administration careers encompass planning, organizing, directing and evaluating business functions that are essential to efficient and productive business operations. These career opportunities are available in every sector of the economy.

Pathways:

Human Resources Management
Operations Management
Administrative Support
Operations Management



Preparing individuals for employment in career pathways that relate to families and human needs.

Pathways:

Early Childhood Development and Services Pathway
Counseling and Mental Health Services Pathway
Family and Community Services Pathway
Personal Care Services Pathway
Consumer Services Pathway

Student Leaders



0.5 Credits

Grades 11-12

Student Leaders will look at 16 characteristics of leadership over an 18-week period. It will involve community members, student and teacher dialogue as we explore the importance of leadership and how it can bring out the best in individuals and groups. The role of a student leader is to learn skills that will help students in future employment and areas of career interests. Students will have the opportunity to earn credit for the student leader position through daily journal entries, leading classroom discussions (think "teacher for the day" opportunity), and assisting with support of students in the classroom. Interested students will apply for positions, just as they would apply for a job. Administration and teachers in specific departments will review applications. Students will be given daily expectations to meet and will be given opportunities to lead in the classroom. Because of the rigorous expectations, students will be able to receive credit for the work they have done. If you are interested in becoming a student leader, please inquire in the student services office to see which departments are looking for support from a student leader.

WORLD LANGUAGE



Designing, producing, exhibiting, performing, writing and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.

Pathways:

Audio and Video Technology and Film Pathway

Printing Technology Pathway

Visual Arts Pathway

Performing Arts Pathway

Journalism and Broadcasting Pathway

Telecommunications Pathway

The study of foreign language introduces students to a different language and culture, thereby helping students to think and communicate in new ways. Through the study of foreign language, students also develop a deeper understanding and appreciation of their own language and culture. Many colleges require a minimum of 2 years of foreign language for admission, but some recommend more. Foreign language counts as college prep elective.

Spanish I

1.0 Credit

Grades 9-12



Students will learn to communicate about topics such as body parts, animals, weather, family members, food, and school. Students will learn regular and irregular verbs in the present indicative tense. Equal emphasis will be given to the following four areas of language: reading, writing, speaking and listening comprehension. Students will learn the geography of Spanish-speaking countries and many cultural aspects of these countries.

Spanish II

1.0 Credit

Grades 9-12



Prerequisite: Grade of C or better in Spanish I. This course is designed to build a more extensive vocabulary and to introduce verbs in the future and preterit. Students will be encouraged to think and communicate in Spanish. Geographical, cultural and political dimensions of the Spanish-speaking world will be a part of this class.

Spanish III

1.0 Credit

Grades 11-12



Prerequisite: Grade of C or better in Spanish II. Students in level 3 will continue to build vocabulary. Verb usage will be extended to include the conditional indicative, perfect indicative, pluperfect, future perfect, and conditional perfect tenses. The subjunctive mood will be introduced. A variety of idioms will be introduced and students will be encouraged to communicate only in the Spanish Language while in class.

Spanish IV

1.0 Credit

Grade 12



Prerequisite: Grade of C or better in Spanish III. In this course students will further develop listening and speaking skills. Students will communicate orally and in written form in the Spanish language about cultural aspects, issues, people and places related to the Spanish-speaking world. Students will spend time focusing on verbs in the subjunctive mood and will be introduced to the subjunctive in the imperfect, perfect, and pluperfect tenses.

DIGITAL LITERACY

Digital Tools and Technology

Grades 9-12

Topics covered include digital footprint, digital citizenship, digital literacy, digital relationships, digital media, and digital tools. Students will learn about relevant and reliable resources, online safety, and our digital world. They will explore digital tools to create and share information.