

WATERTOWN HIGH SCHOOL



COURSE SELECTION GUIDE 2022-2023

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WATERTOWN HIGH SCHOOL

825 Endeavour Drive
Watertown, WI 53098
920-262-7500

ADMINISTRATION

Cassandra Schug	Superintendent
Josh Kerr	Principal
Chris Reuter	Assistant Principal
Jessica Scherer	Assistant Principal
Jamie Koepp	Athletic/Activities Director

STUDENT SERVICE STAFF

Bethanie Frommgen	School Counselor (A - He)
Erikka Olson	School Counselor (Hi - Ph)
Matthew Dunn	School Counselor (Pi - Z)
Emily Orabutt	Social Worker
Liam Champeau	School Psychologist
Jill Geske	Registrar
Jean Heiden	Administrative Assistant

INTRODUCTION

This course guide has been prepared to help students and parents make the most appropriate selection of high school courses in keeping with the student's talents, abilities, and future goals. Watertown High School has a myriad of specialized courses to help prepare students for future education and/or the world of work. Students are encouraged to take full advantage of this opportunity by enrolling in as many courses as possible.

During course selection, students will be asked to make a tentative plan for the remaining years of high school. Parents and students can then anticipate a sequence of courses that will provide the best possible program for individual needs and goals following high school. The student is not obligated to adhere to the program plan for each year. It is always open to modification dependent upon changing interests and achievement.

PUBLIC NOTIFICATION OF NONDISCRIMINATION POLICY

No person shall, on the basis of sex, race, religion, national origin, ancestry, creed, pregnancy, marital or parental status, sexual orientation, or physical, mental, emotional, or learning disability, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity in the school district (School Board Policies #5361 and 5361.1). If you have questions about procedures or if you wish to file a complaint, please contact the Secondary Director of Teaching and Learning (920-262-1460).

TRIMESTER SCHEDULE

Watertown High School operates on a five-period trimester schedule. Details about the trimester schedule include the following:

- Each trimester is approximately 58 days long.
- Each class period lasts approximately 80 minutes.
- Progress reports are issued once per trimester, on approximately the 25th day of the term. Students receive a final grade report via Skyward at the completion of a trimester.
- Each trimester course is worth 0.5 credit. Therefore, a student may earn as many as 2.5 credits each trimester, which amounts to 7.5 possible credits per academic year and 30 possible credits during the four-year high school experience.
- Students are required to earn 25 credits to graduate.

Two Study Halls per Year	One Study Hall per Year	No Study Hall
6.5 credits	7 credits	7.5 credits

In the trimester schedule, most classes that are two trimesters long could be scheduled in three different ways, as shown below (NOTE: the first trimester of the class = “1”; the second trimester of the class = “2”):

Trimester 1	Trimester 2	Trimester 3
1	2	
	1	2
1		2

Understanding the concerns that could arise if a student experiences an extended break (meaning that the student completes a course in the second trimester of one year and doesn’t begin the next course until the second trimester of the following year) between *highly sequenced* courses, an allowance for schedule change requests to address this matter will be made. If such a situation occurs for **World Language** or **Math** courses in a student’s schedule, that student may seek the assistance of the school counselor to move part 1 of the second course into the first trimester. Please note that such an adjustment may have an impact on other course selections. Again, these schedule change requests will be granted in Math and World Language only.

Additional Information:

A student may have the second or third part of a multi-term course in a different hour and/or with a different teacher.

Courses can be one, two or three trimesters long. Course lengths are listed in the individual course descriptions, which are organized by academic department in this guidebook. **Students must register for all terms (trimesters) of a selected course.**

COURSE SELECTION

Students in each grade level have a wide range of course choices, both in core and elective areas. This variety allows students to create an individualized academic program to meet their person needs and interests.

Students and families should take great care when making all course choices. Both the content area and level of rigor should be considered when selecting any course, whether in a core or elective area.

When selecting course, the following factors should be considered:

1. Mandatory prerequisites
2. Post-secondary aspirations
3. Past performance in the subject
4. Anticipated level of effort in the class
5. Overall academic load for the year
6. Balance between academic commitment and personal “down time”
7. Time available for completing coursework along with other obligations like jobs, athletics, co-curriculars
8. Students should select a minimum of four classes for two trimesters and five classes for one trimester. (6.5 credits minimum per year)

Students and parents/guardians are strongly encouraged to collaborate throughout the course selection process, talking about the students’ goals and motivation for considering each possible course.

While teachers do not make formal course recommendations for current students, students and parents are actively encouraged to talk with teachers and counselors during the course selection process. Students may wish to discuss course options with current or former teachers in the discipline. Students and/or parents may wish to schedule a face-to-face meeting with a counselor before making final course decisions.

Advanced Placement/Dual Credit Courses

Advanced Placement (AP) and Dual Credit (DC) courses are offered in high school, but are college level courses. A college course requires more time and personal responsibility than the typical high school class. AP and DC courses offer students the opportunity to earn college credit while still enrolled in high school. Students taking AP courses are expected to take the AP exam (appx. \$96) in May. Based on their performance on the exam, students may receive college credit for each exam they take. Students should work with Student Services to determine how these credits are transferred to higher-level institutions.

Students taking a College Credit in High School (CCHS) or CAPP course will receive credits from the university at a reduced cost. Students who take Dual Credit courses receive credit through Madison College or WCTC at no cost to families.

Online Courses

Students interested in taking online courses should consider this decision carefully and should discuss this with their parents/guardians and school counselor prior to registering for any online classes. Online courses can offer students a great deal of flexibility, open up options for unique courses not offered in the building, and give students an opportunity to learn skills for success in an online learning environment. Nevertheless, students taking online classes have found them to be equally or more challenging than traditional courses and have learned that success in an online environment requires strong skills in self-advocacy, time management and motivation.

GRADUATION REQUIREMENTS

Required: 25.0 credits

English (English 9, English 10, English 11, English 12)	4.0 credits
Math	3.0 credits
Science (Biology, Physical Science, Elective)	3.0 credits
Social Studies (US History, Government, Elective)	3.0 credits
Humanities (Art, Music, World Language)	0.5 credits
Career & Technical Education (Agriscience, Business/Marketing, Family Consumer Sciences, Health Sciences, Informational Technology, Technology & Engineering)	0.5 credits
Physical Education (PE 9)	1.5 credits
Health	0.5 credits
Financial Literacy (Financial Literacy, Economics, or Personal Finance CAPP)	0.5 credits
Electives	8.5 credits

Post-Secondary Experience

In order to be eligible for a Watertown Unified School District high school diploma, a student must have taken and successfully completed a course (0.5 credit minimum) that provides a post high school course experience. This could include, but is not limited to, Advanced Placement, Dual Credit, Transcribed, CCHS/CAPP and Articulated Courses. The post high school course can be applied to an elective or required class (i.e. AP Biology would count for both Science and the post high school requirement).

Civics Exam

In order to be eligible for a Watertown Unified School District high school diploma, a student must have taken and successfully completed (with a score of 65% or higher) the state-required civics test while enrolled in the high school grades in the District or, as determined by the administration, in another qualifying school or program. A student with a disability for whom an individualized education program (IEP) is in place must also take the civics test; however, his/her graduation shall not be contingent on a specific passing score.

NEW COURSE ADDITIONS

AP HUMAN GEOGRAPHY 1 & 2 (AP Human Geo 1 – 4050; AP Human Geo 2 - 4055)

Prerequisite: None

Course Detail: 2 Trimesters

Course Fee: None

Grade Level: 9-10

Credit: 1

This course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socioeconomic organization and its environmental consequences. They also learn about methods and tools geographers use in their research and applications. This curriculum reflects the goals of the National Geography Standards (2012.) The course is designed to prepare students to take the AP exam for college credit and has no prerequisites. (NOTE: The cost of the AP Exam is approx. \$96.00 for each student who chooses to take the exam.)

AP US GOVERNMENT & POLITICS 1 & 2 (AP US Govt 1 – 4010; AP US Govt 2 - 4015)

Prerequisite: None

Course Detail: 2 Trimesters

Course Fee: None

Grade Level: 11-12

Credit: 1

AP US Government and Politics provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will study US foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behavior. They will also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments. In addition, they will complete a political science research or applied civics project. The course is designed to prepare students to take the AP exam for college credit and has no prerequisites. (NOTE: The cost of the AP Exam is approx. \$96.00 for each student who chooses to take the exam.)

AP PHYSICS I: ALGEBRA BASED 1 & 2 (AP Physics I: 1 - 2220; AP Physics I: 2 - 2225)

Prerequisite: Geometry 1 & 2

Course Detail: 2 Trimesters

Course Fee: None

Grade Level: 11-12

Credit: 1

AP Physics I: Algebra Based is a two trimester course that is the equivalent of a first semester, introductory college course in algebra based physics. Learn about the foundational principles of physics as you explore Newtonian mechanics; work, energy, and power; mechanical waves and sounds; and introductory, simple circuits. You'll do hands-on laboratory work to investigate phenomena. (NOTE: The cost of the AP Exam is approx. \$96.00 for each student who chooses to take the exam.)

NEW COURSE ADDITIONS

CNC MILL: BASIC OPERATOR (CNC Mill: Operator - 8825)

Prerequisite: None

Course Fee: None

Grade Level: 10-12

Course Detail: 1 Semester

Credit: 0.5

In this course, students will learn to setup and operate simple projects on 1 of 3 Haas CNC mills in the lab. Students will learn basic G-Code for writing and editing their projects. We will learn how to set up Work and Tool Offsets in the Mill, as well as load the Vice and Parts. Students will also complete the lessons for the National Certification through the Haas CNC Company "Basic Mill Operator. NOTE: This course is a full semester course and is held at Watertown High School on dates and evening times to be determined. An application can be obtained from Ms. Tarpey (S225) and an interview will be required. Students/Parents are responsible for transportation to and from Watertown High School. Release time will not be given to students enrolling in this class as it is offered outside of the school day.

CNC MILL: BASIC PROGRAMMER (CNC Mill: Programmer - 8827)

Prerequisite: None

Course Fee: None

Grade Level: 10-12

Course Detail: 1 Semester

Credit: 0.5

In this course, students will build upon their knowledge of CNC Machining from "Basic Operator" to now design and program their own projects to machine. Projects may include: a multi-sided two-piece cribbage board and a metal drinking coasters. Students will complete the "hands-on" portion of the National Certification through the Haas CNC Company "Basic Mill Operator. Upon successful completion of this Hands-On component, and the lessons from CNC Basic Operator, students will receive a Certificate from Haas. NOTE: This course is a full semester course and is held at Watertown High School on dates and evening times to be determined. An application can be obtained from Ms. Tarpey (S225) and an interview will be required. Students/Parents are responsible for transportation to and from Watertown High School. Release time will not be given to students enrolling in this class as it is offered outside of the school day.

AGRISCIENCE

Course Name	Course Number	9	10	11	12	Prerequisite	Course Fee
Ag Power & Production*	8405			X	X	X	
Agribusiness & Leadership Skills	8450			X	X	X	
Agriscience/Natural Resources 1 & 2	8390/8395	X					
Animal Care DC	8420		X	X	X		
Companion Animals	8542	X	X	X	X		
Environmental Conservation	8540		X	X	X		
Greenhouse Management	8545		X	X	X		
Horse Care Management	8425		X	X	X		
Intro to Environmental Studies CCHS	8530			X	X		X
Landscaping	8557		X	X	X	X	
Veterinary Science*	8400			X	X	X	
Wildlife & Natural Resources	8555		X	X	X		X

*Not offered in 2022-2023

AG POWER & PRODUCTION (Ag Power & Production - 8405) *Not offered in 2022-2023

Prerequisite: One Agriscience Course

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 11-12

Credit: 0.5

Ag Power & Production is an advanced agriculture class that will cover the growing of field crops, raising of livestock, agribusiness, employability, starting and operating an agribusiness and tractor maintenance. This class will have a number of hands-on activities students will have the opportunity to develop and implement a plan for growing 20 acres of field crops and repair a tractor.

AGRIBUSINESS & LEADERSHIP SKILLS (Agribus/Leader – 8450)

Prerequisite: One Agriscience Course

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 11-12

Credit: 0.5

In this course, students will learn basic agribusiness concepts and agribusiness management skills. These include supply and demand, commodity markets, hedging, record keeping, basic finances, and creating a marketing plan and business structure for an agribusiness. Students will also learn leadership procedure and professionalism. This course is designed for juniors/seniors to help them become employable in the agribusiness/agriculture industry post-graduation.

AGRISCIENCE/NATURAL RESOURCES 1 & 2 (Agrisc/Natural Res 1 - 8390; Agrisc/Natural Res 2 - 8395)

Prerequisite: None

Course Detail: 2 Trimesters

Course Fee: None

Grade Level: 9

Credit: 1

Agriscience/Natural Resources is an introduction to many different careers in agriculture. Students will be able to research the history of agriculture and explore the future. Leadership skills and organization will be explored along with the animal science and wildlife areas. This class will be full of hands-on activities.

AGRISCIENCE

ANIMAL CARE DC (Animal Care DC - 8420)

Prerequisite: None

Course Fee: None

Grade Level: 10-12

Course Detail: 1 Trimester

Credit: 0.5

Animal Care will consist of the study of Livestock and their uses. The animals covered in this course are the species of Dairy, Swine, Sheep and Beef. The course will cover the following topics: parts, breeds, selection/judging, body systems, management, nutrition, facilities, diseases, and marketing. The class offers a number of hands-on activities in the animal lab and Cattle AI. Students will have an opportunity to raise a litter of pigs and care for a variety of other animals. Students enrolled will have the opportunity to receive credit from Lakeshore Technical upon the successful completion of the course.

COMPANION ANIMALS (Companion Animals - 8542)

Prerequisite: None

Course Fee: None

Grade Level: 9-12

Course Detail: 1 Trimester

Credit: 0.5

Companion Animals will go over the proper care and management of companion animals. The class will discuss dogs, cats, rodents, ferrets, rabbits and more. This class will have many opportunities for hands-on activities, including providing daily care for different companion animals.

ENVIRONMENTAL CONSERVATION (Environmental Conservation - 8540)

Prerequisite: None

Course Fee: None

Grade Level: 10-12

Course Detail: 1 Trimester

Credit: 0.5

Environmental Conservation will involve learning about the environment and how to conserve the Earth's resources. The topics will include soils, water, wildlife, and forestry. This is a hands-on course with the opportunity to raise fish and compete in Wisconsin State Envirothon Competition. **NOTE: In addition to meeting high school science graduation requirements, Environmental Conservation has been approved for equivalent credit by the Wisconsin DPI. UW System Campuses have agreed to accept the certified agriculture/science course toward admission requirements in Science.**

GREENHOUSE MANAGEMENT (Greenhouse Mgmt - 8545)

Prerequisite: None

Course Fee: None

Grade Level: 10-12

Course Detail: 1 Trimester

Credit: 0.5

Greenhouse Management will involve learning about plant science through hands-on learning labs. Students will be growing poinsettias and learning how to propagate houseplants and geraniums. Students will also experience the latest plant technology of hydroponics and learn about Bonsai.

HORSE CARE MANAGEMENT (Horse Care Mgmt - 8425)

Prerequisite: None

Course Fee: None

Grade Level: 10-12

Course Detail: 1 Trimester

Credit: 0.5

In Horse Care Management, you will learn about the history, parts, markings, colors, conformation, blemishes, unsoundness, selection/judging, feeding, diseases, equipment, and careers dealing with horses. Through this course and the FFA, you will have an opportunity to be in the Horse Judging Career Development Event.

AGRISCIENCE

INTRO. TO ENVIRONMENTAL STUDIES CCHS (Intro to Environ Stud CCHS - 8530)

Prerequisite: None

Course Detail: 1 Trimester

Course Fee: Tuition

Grade Level: 11-12

Credit: 0.5

This course presents an overview of the interrelationships between humans and the environment. The material presented in the first one-third of the course focuses on important ecological concepts. The remainder of the course deals with human influence on the environment. The ecological concepts are used throughout to identify, understand, and provide a basis for proposing possible solutions to contemporary environmental problems. Overall, this course will provide the student with a better understanding of how humans can more positively affect the environment in which they live. This course is a Dual Credit course through Lakeshore Technical College. Students enrolled will have the opportunity to receive credit from Lakeshore Technical upon the successful completion of the course.

LANDSCAPING (Landscaping - 8557)

Prerequisite: Greenhouse Mgmt

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 10-12

Credit: 0.5

This course is designed for students who have completed Greenhouse Management and are interested in horticulture. This course will cover plant identification, nutrient management, landscape design, project planning, creating a budget and proper plant management/care. By the end of the trimester, students will learn how to create landscape designs based on customer demands and budget. Students will create landscape designs and implement them for the school and local community.

VETERINARY SCIENCE (Veterinary Science - 8400) *Not offered in 2022-2023

Prerequisite: Companion Animals & Animal Care

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 11-12

Credit: 0.5

Veterinary Science is an upper level class that will go into more detail and depth about genetics, animal anatomy, animal law, and diseases in various animals. Students will have the opportunity to participate in the raising of aquaculture and other activities. This course has hands on learning in the veterinary science career area. **NOTE: This course will meet the WHS science elective credit requirement for graduation. Students must confirm, with each specific college of interest, to determine if the course would be accepted toward a third science credit for admission.**

WILDLIFE & NATURAL RESOURCES (Wildlife & Natural Resources - 8555)

Prerequisite: None

Course Detail: 1 Trimester

Course Fee: Optional Cert Fees

Grade Level: 10-12

Credit: 0.5

Wildlife and Natural Resources will cover in-depth wildlife management, to include habitat, identification, wildlife laws and current issues. This course will also include topics such as forestry and other natural resources. The student will have many hands-on learning activities including raising fish, Trapper Ed Certification (\$12 fee), ATV Safety (\$10 fee), Snowmobile Safety (\$10 fee), and Boater Safety Certification (\$10).

ART

Course Name	Course Number	9	10	11	12	Prerequisite	Course Fee
AP Art History 1 & 2	6097/6098		X	X	X		
AP Art History Prep	6099		X	X	X	X	
AP Art and Design 1 & 2	6050/6051			X	X		
AP Art and Design Prep	6052			X	X	X	
Advanced Ceramics	6081	X	X	X	X	X	
Advanced Drawing	6010	X	X	X	X	X	
Advanced Glass & Metal Art	6094	X	X	X	X	X	
Advanced Painting	6090	X	X	X	X	X	
Advanced Photography	6071		X	X	X	X	X
Advanced Printmaking	6065	X	X	X	X	X	
Advanced Sculpture	6075	X	X	X	X	X	
Animation	6020	X	X	X	X	X	
Ceramics	6045	X	X	X	X	X	
Computer Art	6085		X	X	X		
Drawing	6015	X	X	X	X	X	
Foundations	6005	X	X	X	X		
Glass & Metal Art	6095	X	X	X	X	X	
Introduction to Airbrushing	6060	X	X	X	X	X	
Painting	6055	X	X	X	X	X	
Photography	6070		X	X	X		X
Printmaking	6025	X	X	X	X	X	
Sculpture	6035	X	X	X	X	X	
Wearable Art	6088	X	X	X	X	X	
Yearbook: Trimester 1	8570		X	X	X		
Yearbook: Trimester 2	8571		X	X	X		
Yearbook: Trimester 3	8572		X	X	X		

AP ART HISTORY 1 & 2 (AP Art History 1 - 6097; AP Art History 2 - 6098)

Prerequisite: None

Course Detail: 2 Trimesters

Course Fee: None

Grade Level: 10-12

Credit: 1

See the world differently. History will come alive as we explore the art and architecture from people past and present. We will also experiment with some of the art materials and techniques used by artists of the past and learn to discuss works of art critically. The first trimester covers movements from Pre-History through the Baroque Era. The second trimester picks up where AP Art History 1 ends, following the development of art through the modern age all the way up to the present day. This course may be applied as Social Studies Elective or Humanities credit. (NOTE: The cost of the AP Exam is approx. \$96.00 for each student who chooses to take the exam.)

ART

AP ART HISTORY PREP (AP Art History Prep - 6099)

Prerequisite: AP Art History 1 & 2

Course Fee: None

Grade Level: 10-12

Course Detail: 1 Trimester

Credit: 0.5

AP Prep courses are extensions of the regular AP coursework and are intended to further prepare students for the AP examination process. Students will review major course concepts and address topics in greater detail in situations where the pacing of the course did not afford the opportunity. Students will also continue to work on practice tests and activities to prepare for the rigors of the AP Exam. When the AP Exams have concluded, students will be engaged in content area projects where they will further synthesize course concepts.

AP ART AND DESIGN 1 & 2 (AP Art and Design 1 - 6050; AP Art and Design 2 - 6051) (Formally AP Studio Art)

Prerequisite: None

Course Fee: None

Grade Level: 11-12

Course Detail: 2 Trimesters

Credit: 1

Create a portfolio of your own original artwork. Designed in an open-ended way for students with a serious interest in art, AP Art and Design enables students to refine their skills and create artistic works that can be submitted to the College Board for evaluation for possible college credit or submitted to scholarship competitions, contests and jobs. First trimester emphasizes students exploring the expressive side of art while building technical and formal skills. Second trimester students will focus on an ongoing investigation of a theme of their choosing.

AP ART AND DESIGN PREP (AP Art and Design Prep - 6052) (Formally AP Studio Art)

Prerequisite: AP Art & Design 1 & 2

Course Fee: None

Grade Level: 11-12

Course Detail: 1 Trimester

Credit: 0.5

AP Prep courses are extensions of the regular AP coursework and are intended to further prepare students for the AP examination process. Students will review major course concepts and address topics in greater detail in situations where the pacing of the course did not afford the opportunity. Students will also continue to work on practice tests and activities to prepare for the rigors of the AP Exam. When the AP Exams have concluded, students will be engaged in content area projects where they will further synthesize course concepts.

ADVANCED CERAMICS (Advanced Ceramics - 6081)

Prerequisite: Ceramics

Course Fee: None

Grade Level: 9-12

Course Detail: 1 Trimester

Credit: 0.5

After taking Ceramics, you now have the basic knowledge and skills to take on more complex pottery making and decorating/finishing techniques while creating unique, individual ceramic artworks that YOU want to make!

ART

ADVANCED DRAWING (Advanced Drawing - 6010)

Prerequisite: Drawing

Course Fee: None

Grade Level: 9-12

Course Detail: 1 Trimester

Credit: 0.5

An advanced study of drawing methods and materials with greater freedom of media and a more expressive personal focus. Students will also experiment artistically and begin to push the limits of their creativity and the boundaries of what “drawing” can mean.

ADVANCED GLASS & METAL ART (Advanced Glass Metal - 6094)

Prerequisite: Glass & Metal Art

Course Fee: None

Grade Level: 9-12

Course Detail: 1 Trimester

Credit: 0.5

As an advanced student, you will explore more in-depth possibilities in glass and metal such as larger more intricate stained glass pieces, 3-dimensional stained glass, advanced forms of glass fusing, enameling, mosaics, stamping, forming, and so much more! In this class, students will work independently with the guidance of the instructor learning to use more sophisticated techniques and materials while pursuing personal interests.

ADVANCED PAINTING (Advanced Painting - 6090)

Prerequisite: Painting

Course Fee: None

Grade Level: 9-12

Course Detail: 1 Trimester

Credit: 0.5

A whole lot more painting, a whole lot more awesome. Find your creative voice, learn to stretch your own canvas, and push the boundaries of painting, sculpture and other art media.

ADVANCED PHOTOGRAPHY (Advanced Photography - 6071)

Prerequisite: Photography; Digital camera (not cell phone) required

Course Fee: Materials

Grade Level: 10-12

Course Detail: 1 Trimester

Credit: 0.5

Further develop your photography style. Course emphasizes the refinement of technical skills including both darkroom and digital photography. *Students will use a manual film camera for this course which is provided by the Art Dept. The student will be required to purchase resale items as needed: Film (\$8), paper (\$10), photo processing (various).

ADVANCED PRINTMAKING (Advanced Printmaking - 6065)

Prerequisite: Printmaking

Course Fee: None

Grade Level: 9-12

Course Detail: 1 Trimester

Credit: 0.5

As a continuation of Printmaking, students will learn and use more sophisticated approaches to a number of printmaking processes from the following: serigraphy (silkscreen), lithography, dry point, and woodcuts.

ART

ADVANCED SCULPTURE (Advanced Sculpture - 6075)

Prerequisite: Sculpture

Course Fee: None

Grade Level: 9-12

Course Detail: 1 Trimester

Credit: 0.5

As an advanced student, you will create more elaborate sculptures using complex techniques and materials while working independently with the guidance of the instructor. You will have an opportunity to explore modern sculpting techniques and 3-D art forms as well as pursue your individual interests.

ANIMATION (Animation - 6020)

Prerequisite: Foundations

Course Fee: None

Grade Level: 9-12

Course Detail: 1 Trimester

Credit: 0.5

Create your own animations! You will learn to develop characters, create expressions, explore movement, design environments, write storylines and record your own dialogue and sound effects. This course will investigate traditional, digital and stop motion animation techniques.

CERAMICS (Ceramics - 6045)

Prerequisite: Foundations

Course Fee: None

Grade Level: 9-12

Course Detail: 1 Trimester

Credit: 0.5

Ready to try your hand at the pottery wheel? You will learn how to work with clay, hand-building techniques and the pottery wheel as well as explore the many surface decoration techniques from carving to glazing and other finishing options to create unique ceramic art pieces. Not only will students be able to create functional pieces such as mugs and vases but also decorative ceramics artworks.

COMPUTER ART (Computer Art - 6085)

Prerequisite: None

Course Fee: None

Grade Level: 10-12

Course Detail: 1 Trimester

Credit: 0.5

The computer is an essential tool for artists working in the fields of design, photography, and animation. Use the computer as a creative design tool and illustrative medium. Create symbols, logos, illustrations, posters, package design and much more!

DRAWING (Drawing - 6015)

Prerequisite: Foundations

Course Fee: None

Grade Level: 9-12

Course Detail: 1 Trimester

Credit: 0.5

Improve your drawing skills with exciting exercises and creative projects. We will use all kinds of drawing materials including wet, dry, color, and black and white media. Fun and challenging for everyone from beginners to experienced drawers.

ART

FOUNDATIONS (Foundations - 6005)

Prerequisite: None

Course Fee: None

Grade Level: 9-12

Course Detail: 1 Trimester

Credit: 0.5

Explore Art in a lively, inviting, hands-on course for artists of any level regardless of their experience or lack of experience. This course provides you the opportunity to do ceramics, printmaking, drawing, mask making, and painting.

GLASS & METAL ART (Glass & Metal Art - 6095)

Prerequisite: Foundations

Course Fee: None

Grade Level: 9-12

Course Detail: 1 Trimester

Credit: 0.5

This class involves a lot of breaking, cutting, twisting, pounding, and melting that result in cool looking art. Don't be intimidated, you will learn all the skills needed to create stained glass panel, glass fusing, enameling, pewter casting, metal wire/sheet, stamping, and mosaics.

INTRODUCTION TO AIRBRUSHING (Intro to Airbrush - 6060)

Prerequisite: Drawing or Painting

Course Fee: None

Grade Level: 9-12

Course Detail: 1 Trimester

Credit: 0.5

Experience the possibilities of airbrushing. You will move from learning the basics of controlling the airbrush all the way to making your own original works of art including graffiti, 3-D effects, neon and metallic illusions, caricature, skin painting and t-shirts. We will also learn to sand, prime, paint and seal a three dimensional object.

PAINTING (Painting - 6055)

Prerequisite: Foundations

Course Fee: None

Grade Level: 9-12

Course Detail: 1 Trimester

Credit: 0.5

Learn to express yourself through paint. We will explore techniques from the traditional to modern using watercolor, acrylic, tempera and oil paints. Each assignment will help you discover and develop your own style.

PHOTOGRAPHY (Photography - 6070)

Prerequisite: Digital camera (not cell phone) required

Course Fee: Materials

Grade Level: 10-12

Course Detail: 1 Trimester

Credit: 0.5

Become a photographer! This course focuses on both digital and film photography. Learn to compose photos, develop film, and print photographs. No previous knowledge of photography is necessary. *Students will use a manual film camera for this course which is provided by the Art Dept. The student will be required to purchase resale items as needed: Film (\$8), paper (\$10), photo processing (various).

ART

PRINTMAKING (Printmaking - 6025)

Prerequisite: Foundations

Course Fee: None

Grade Level: 9-12

Course Detail: 1 Trimester

Credit: 0.5

Do everything from monoprinting to t-shirt silk screening to nature printing! Essential to printmaking is the production of multiples and repetition. Enjoy experimenting in a variety of printmaking processes including block, screen, intaglio, collage, and monoprinting.

SCULPTURE (Sculpture - 6035)

Prerequisite: Foundations

Course Fee: None

Grade Level: 9-12

Course Detail: 1 Trimester

Credit: 0.5

Make 3-dimensional Art that interests you! Explore the many types of sculpture making techniques such as carving, casting, modeling and assembling with wood, cardboard, plaster, soap, wire, plastic, recyclables, fabric, foam and so much more! Create large and small-scale sculptures as well as kinetic (moving) sculptures such as art mobiles, wind spinners, marble runs and much more!

WEARABLE ART (Wearable Art - 6088)

Prerequisite: Foundations

Course Fee: None

Grade Level: 9-12

Course Detail: 1 Trimester

Credit: 0.5

Art doesn't have to be painting or drawing and clothing doesn't have to be fabric. This course will give you the opportunity to make art that is meant to be on, around, or interacting with the body. Students will use non-traditional materials in artwork that is 3-D and goes beyond the expected. Materials used in the course can include metal, leather, plastic, jewelry, found objects and fibers.

YEARBOOK: TRIMESTER 1 (Yearbook 1 - 8570)

YEARBOOK: TRIMESTER 2 (Yearbook 2 - 8571)

YEARBOOK: TRIMESTER 3 (Yearbook 3 - 8573)

Prerequisite: None

Course Fee: None

Grade Level: 10-12

Course Detail: 1 Trimester

Credit: 0.5

Want to explore a career in publishing and printing? Do photography, printing, art and journalism interest you? Are you creative with any or all of the above? Producing the school yearbook involves elements from each of these processes. Yearbook explores the technical aspects of desktop publishing software, and digital photography. In addition, page layout and copy writing techniques are explored. The entire process from conception to the printed and bound product is experienced. The final document is a permanent record of the school's activities for the year. *Students can take one, two, or three trimesters of yearbook every year.

BUSINESS/MARKETING

Course Name	Course Number	9	10	11	12	Prerequisite	Course Fee
AP Macroeconomics (See Soc St Dept)	4110			X	X		
AP Microeconomics (See Soc St Dept)	4115			X	X		
Accounting Introduction 1	7040		X	X	X		
Advanced CAPP Accounting A & B	7060/7070			X	X	X	
Business Law	7150			X	X		
Entrepreneurship CCHS	7005	X	X	X	X		
Microsoft Office Suite	7000	X	X	X	X		
Personal Finance CAPP	7085			X	X		
Principles of Marketing DC	7300		X	X	X		
Selling Principles Management DC	7340				X	X	
Social Media Marketing DC	7350			X	X	X	
Sports & Entertainment Marketing	7325		X	X	X		
Web Design	7035	X	X	X	X		

ACCOUNTING INTRODUCTION 1 (Acct Intro 1 - 7040)

Prerequisite: None

Course Fee: None

Grade Level: 10-12

Course Detail: 1 Trimester

Credit: 0.5

Students are introduced to accounting concepts that provide the foundation for many careers in business: accounting, banking, business management, business ownership, finance, sales and marketing, clerical, and administrative positions, etc. This class also teaches concepts that will be beneficial in everyday life! Emphasis is placed on going through a sole proprietor business accounting cycle.

ADVANCED CAPP ACCOUNTING A & B (Adv Account A – 7060; Adv Account B - 7070)

Prerequisite: Accounting Introduction 1

Course Fee: Tuition Optional

Grade Level: 11-12

Course Detail: 2 Trimesters

Credit: 1

This course is an Advanced Placement course with UW-Oshkosh but do not fear you will have two trimesters to complete what UW-Oshkosh does in one semester! If you think a business degree is for you then you need this class! This course introduces students to the principles of financial accounting and the preparation, interpretation, and analysis of general purpose financial statements for parties external to the organization. The cost for the 3 credit class, if all requirements are met, is approx. \$300. UW-Oshkosh determines the tuition cost in August.

BUSINESS LAW (Business Law - 7150)

Prerequisite: None

Course Fee: None

Grade Level: 11-12

Course Detail: 1 Trimester

Credit: 0.5

A sound basis of knowledge in business law enables you to make educated decisions in a complicated society. It is important that you have a firm grasp of these when you assume adult responsibilities as a citizen of this country. Understanding contracts that you enter into on an everyday basis; signing the credit card receipt, entering into an apartment lease, becoming a manager at a company, list goes on. Join this class to find out what you don't know about the world of "adulting"!

BUSINESS/MARKETING

ENTREPRENEURSHIP CCHS (Entrepreneurship CCHS - 7005)

Prerequisite: None

Course Fee: None

Grade Level: 9-12

Course Detail: 1 Trimester

Credit: 0.5

This introductory course teaches students the concepts and processes of running a successful entrepreneurship. Content areas include economic foundations, innovation and opportunities, ownership, finance, and marketing. In-class activities include individual and group projects along with computer business applications and Internet activities. This is a great course for introducing students to the other business courses offered at WHS.

MICROSOFT OFFICE SUITE (MS Office - 7000)

Prerequisite: None

Course Fee: None

Grade Level: 9-12

Course Detail: 1 Trimester

Credit: 0.5

This course does focus on keyboarding skills for both the beginning typist and the typist that would like to improve their speed and accuracy skills. It will also give you training in Microsoft Office Word and Excel.

PERSONAL FINANCE CAPP (Personal Finance CAPP - 7085)

Prerequisite: None

Course Fee: Tuition Optional

Grade Level: 11-12

Course Detail: 1 Trimester

Credit: 0.5

This one-trimester course fulfills the financial literacy requirement for graduation. This course covers the major financial decisions encountered by individuals. Course content areas covered are budgeting, use of credit, automobile and consumer durables, insurance, housing decisions, taxes, retirement planning, estate transfer, and investments. Each content area is analyzed within the context of a comprehensive framework of personal financial planning. This course is offered through the University of Wisconsin-Oshkosh. The cost for the 3 credit class, if all requirements are met, is approx. \$300. UW-Oshkosh determines the tuition cost in August.

PRINCIPLES OF MARKETING DC (Principles of Market DC - 7300)

Prerequisite: None

Course Fee: None

Grade Level: 10-12

Course Detail: 1 Trimester

Credit: 0.5

This fundamental marketing class introduces students to the functions of marketing. The six units in this one trimester class are the building block for continual growth and knowledge in marketing and business degrees. Hands on activities and projects will get you prepared for a better understanding of the other classes like, Entrepreneurship, Sports/Entertainment Marketing, Selling Principles Management, and Social Media Marketing. The curriculum taught in this class will earn you three Madison College credits.

BUSINESS/MARKETING

SELLING PRINCIPLES MANAGEMENT DC (Selling Princ Manage DC - 7340)

*Formally known as Marketing/Business Management 1

Prerequisite: Successfully completed one business/marketing course

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 12

Credit: 1

Why is a sweatshirt priced at \$39 rather than \$40? How does a "Sale" sign change customer behavior? Can priced changes antagonize customers and reduced demand? How has the Internet changed customer price sensitivity? Are retail loyalty programs effective? How has expansion of retail stores, factory stores and the Internet changed consumer behavior? This course seeks to answer these types of questions. As well as cover topics including sales promotion, advertising, pricing, supply channel management, emerging issues in retailing, such as retail loyalty programs and e-commerce. An additional emphasis will be on the basic principles, concepts, and theories of business and consumer selling. Students that take this course are strongly encouraged to participate in DECA & FLBA student organizations to gain hands-on business experience.

SOCIAL MEDIA MARKETING DC (Social Media Market DC - 7340)

*Formally known as Marketing/Business Management 2

Prerequisite: Successfully completed one business/marketing course

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 11-12

Credit: 1

This course will have an emphasis in social media marketing; studying the history and development and business applications of social media such as Facebook, YouTube, Twitter and LinkedIn. Study will include communication and concept of Viral Marketing. Students will prepare (or update) their professional resume and job seeking strategies. Students that take this course are strongly encouraged to participate in DECA & FLBA student organizations to gain hands-on business experience.

SPORTS & ENTERTAINMENT MARKETING (Sports Entertainment Market - 7325)

Prerequisite: None

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 10-12

Credit: 0.5

Sports and entertainment services are intangible products in a multi-billion-dollar industry, but it is marketing! Take the principles taught in all the other Business Marketing classes and apply them to the sports and entertainment industry. Students will have fun learning to integrate concepts into ideas that would get millions of fans excited every week.

WEB DESIGN (Web Design - 7035)

Prerequisite: None

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 9-12

Credit: 0.5

Build website from the ground up. Learn the first language of websites, HTML and CSS, but make websites from free templates like Google sites and Wix. Gain basic important website concepts, such as color, font, graphics, SEO, SEM, UI, and UX all with web-based software.

ENGLISH/LANGUAGE ARTS

Course Name	Course Number	9	10	11	12	Prerequisite	Course Fee
AP English Lang & Composition 1 & 2	1270/1275			X			
AP English Literature & Composition 1 & 2	1310/1315				X		
AP English Lit & Comp Prep	1318				X	X	
*Creative Writing	1170		X	X	X		
English 9 – 1 & 2	1010/1015	X					
English 10 – 1 & 2	1120/1125		X				
English 11 – 1 & 2	1260/1265			X			
English 12 – 1 & 2	1410/1415				X		
Honors English 9 – 1 & 2	1030/1035	X					
Honors English 10 – 1 & 2	1130/1135		X				
World Literature 1 & 2	1320/1325				X		

**Four credits of English are required for graduation.
(1 credit of English 9/Honors, 1 credit of English 10/Honors,
1 credit of English 11/AP, and 1 credit Senior English options)**

AP ENGLISH LANGUAGE & COMPOSITION 1 & 2 (AP Eng Language 1 - 1270; AP Eng Language 2 - 1275)

Prerequisite: None

Course Detail: 2 Trimesters

Course Fee: None

Grade Level: 11

Credit: 1

AP English Language and Composition is designed to prepare students to take the Advanced Placement exam for possible college credit as well as to move at a faster pace than general courses. Students will read both fiction and nonfiction by American authors, learn about a wide variety of literary genres, and study the rhetoric used in these texts. Extensive writing, reading and analysis will be linked to the texts. Students may need to purchase support materials for this course. (NOTE: The cost of the AP Exam is approx. \$96.00 for each student who chooses to take the exam.)

AP ENGLISH LITERATURE & COMPOSITION 1 & 2 (AP Eng Liter 1 - 1310; AP Eng Liter 2 - 1315)

Prerequisite: None

Course Detail: 2 Trimesters

Course Fee: None

Grade Level: 12

Credit: 1

This course will offer students challenges and opportunities for creative and expository analysis, as well as prepare students for the college experience. This course is designed to prepare students to take the Advanced Placement exam for possible college credit as well as to move at a faster pace than general courses. Students will read college-level literature, critically study the diction and syntax of poetry, short stories, nonfiction, and novels; and write analytical, argumentative, and expository essays. Students may need to purchase support materials for this course. (NOTE: The cost of the AP Exam is approx. \$96.00 for each student who chooses to take the exam.)

ENGLISH/LANGUAGE ARTS

AP ENGLISH LITERATURE & COMPOSITION PREP (AP English Literature Prep - 1318)

Prerequisite: AP English Literature & Composition 1 & 2

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 12

Credit: 0.5

AP Prep courses are extensions of the regular AP coursework and are intended to further prepare students for the AP examination process. Students will review major course concepts and address topics in greater detail in situations where the pacing of the course did not afford the opportunity. Students will also continue to work on practice tests and activities to prepare for the rigors of the AP Exam. When the AP Exams have concluded, students will be engaged in content area projects to further synthesize course concepts.

CREATIVE WRITING (Creative Writing - 1170) *Elective

Prerequisite: None

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 10-12

Credit: 0.5

In this **elective** course, students will learn about the major elements of creative writing and write a variety of their own pieces. Students will also read selections of literature to gain an understanding of just what makes good writing in terms of form, style, and word choice. Students will also have the opportunity to publish their work. This class cannot be taken as a substitute for regular English course requirements.

ENGLISH 9 – 1 & 2 (English 9-1 - 1010; English 9-2 - 1015)

Prerequisite: None

Course Detail: 2 Trimesters

Course Fee: None

Grade Level: 9

Credit: 1

English 9 is a combination of composition, literature and communication skills. The course is designed to improve writing through the study of the process approach to composition. A variety of genres will be studied, including short stories, essays, and poetry. First trimester will include Of Mice and Men and Romeo and Juliet. Second trimester includes “literature circles” and the study of the novel To Kill a Mockingbird. Students may need to purchase support materials for this course.

ENGLISH 10 – 1 & 2 (English 10-1 - 1120; English 10-2 - 1125)

Prerequisite: None

Course Detail: 2 Trimesters

Course Fee: None

Grade Level: 10

Credit: 1

English 10 is a combination of composition, literature, and communication skills. The course is designed to improve writing and communication skills through the study of the process approach. A variety of contemporary genres will be studied, including short stories, essays, novels, drama, and poetry. Students may need to purchase support materials for this course.

ENGLISH/LANGUAGE ARTS

ENGLISH 11 – 1 & 2 (English 11-1 - 1260; English 11-2 - 1265)

Prerequisite: None

Course Fee: None

Grade Level: 11

Course Detail: 1 Trimester

Credit: 0.5

English 11 will cover a combination of reading, writing, and speaking opportunities. Students will learn about a wide variety of literary genres and study the diverse cultural backgrounds of many American authors. Writing and speaking will be linked to the literature studied. First trimester will cover early American literature to the Civil War era. Students may need to purchase support materials.

ENGLISH 12 – 1 & 2 (English 12-1 - 1410; English 12-2 - 1415)

Prerequisite: None

Course Fee: None

Grade Level: 12

Course Detail: 2 Trimesters

Credit: 1

This two-trimester course is designed to meet the needs of students who plan to enter the work force, the military, or a technical college following graduation. **This course is NOT recommended for students planning on attending a four-year university/college.** The emphasis of the class is technical writing, expository writing, and general communication skills to meet Career Readiness standards. Students will read both classical and modern literary selection from a variety of genres and from varied perspectives. Personal goal setting and growth through Independent-learning opportunities are the focus of the first trimester. Students may need to purchase support materials for this course.

HONORS ENGLISH 9 – 1 & 2 (Honors English 9-1 - 1030; Honors English 9-2 - 1035)

Prerequisite: None

Course Fee: None

Grade Level: 9

Course Detail: 2 Trimesters

Credit: 1

This course will cover the same objectives as English 9. However, it will also offer students more challenges and opportunities for in-depth analysis. The challenging pace of this course is designed to advance writing skills, study a variety of genres, and practice communication skills. Honors English 9-2 is a continuation of Honors English 9, including the study of Great Expectations and To Kill a Mockingbird. Students may need to purchase support materials for this course.

HONORS ENGLISH 10 – 1 & 2 (Honors English 10-1 – 1130; Honors English 10-2 - 1135)

Prerequisite: None

Course Fee: None

Grade Level: 10

Course Detail: 2 Trimesters

Credit: 1

Honors English 10 is a combination of composition, literature, and communication skills. The course is designed to improve writing and communication skills through the study of the process approach. A variety of contemporary genres will be studied, including short stories, essays, novels, drama, and poetry. Students may need to purchase support materials for this course. What sets this course apart from a "regular" level course is extensive, independent reading and analysis of text, modeled after the writing and thinking required by AP-level courses.

ENGLISH/LANGUAGE ARTS

WORLD LITERATURE 1 & 2 (World Literature 1 - 1320; World Literature 2 - 1325)

Prerequisite: None

Course Detail: 2 Trimesters

Course Fee: None

Grade Level: 12

Credit: 1

The emphasis of this two-trimester college prep course is the study of literature from around the world. In trimester one, the class will focus on literature dealing with identity and immigration. In trimester two, the class will focus on literature dealing with oppression and war. Students will study the history and writing of diverse cultures while learning to communicate for a variety of purposes and for varied audiences. Students may need to purchase support material for this course.

FAMILY CONSUMER SCIENCES

Course Name	Course Number	9	10	11	12	Prerequisite	Course Fee
Education & Training Pathway:							
Assistant Child Care Teacher DC	8145		X	X	X		
Career Exploration-Education 101 – 1	9514			X	X		
Child Care Teacher Coop 1 & 2	8150/8155				X	X	X
Mentoring Experience	9512/9513/9518			X	X	X	
Parenting and Relationships	8140	X	X	X	X		
Hospitality & Tourism Pathway:							
Culinary Arts 1: Basic Foods	8000	X	X	X	X		
Culinary Arts 2: Cultural Foods	8025	X	X	X	X	X	
Culinary Arts 3: Intro to Food Service	8060		X	X	X	X	
Culinary Arts 4: Intro to Hospitality	8061			X	X	X	
Fashion Design	8270	X	X	X	X		
Fiber, Fabric, & Food Entrepreneurship	8220	X	X	X	X		
Interior Design	8271	X	X	X	X		
Professional Baking	8070		X	X	X	X	

ASSISTANT CHILD CARE TEACHER DC (Assist Child Care Teacher DC - 8145)

Prerequisite: None

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 10-12

Credit: 0.5

This course is an introduction to childhood education and childcare services. The course covers curriculum development, health and safety, job skills training, hands-on teaching experience, and professional development in the field of education. The final project of the course is community services project planned and taught by the students. High school students interested in any type of career field involving children or teaching would benefit from this course. Successful completion of this course earns a DPI Certificate of Assistant Child Care Teacher (ACCT) and Infant and Toddler (IT), allowing them to work in a licensed childcare center in Wisconsin. This course is an elective dual credit with three (3) elective credits from Madison College's Early Childhood Education degree program.

CAREER EXPLORATION - EDUCATION 101-1 (Car Explor-Ed 101-1 - 9514)

Prerequisite: None

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 11-12

Credit: 1

This course provides opportunities for students with an interest in teaching in a K-12 setting. Instruction addresses the principles and procedures for promoting the physical, emotional, and social, and intellectual development of children, adolescents and developmentally appropriate practices in educational settings. Students have the opportunity to gain work experience in classrooms with certified teachers as part of their course work. Other components include the development of a four-year post-secondary plan, salaries and benefits of a teacher, job security, and future projections of the job market. NOTE: This course can be taken in conjunction with Mentoring Experience or individually.

FAMILY CONSUMER SCIENCES

CHILD CARE TEACHER COOP 1 & 2 (Child Care Teacher 1 - 8150; Child Care Teacher 2 - 8155)

Prerequisite: Assistant Child Care Teacher

Course Detail: 2 Trimesters

Course Fee: \$19 First Aid Training Grade Level: 12
(Optional)

Credit: 1

This course involves further study of professionalism, curriculum development, guidance of children, health and safety, and special needs teaching. High school students interested in any type of career field involving children or teaching would benefit from this course. Students who successfully complete the Child Care Teacher standards and requirements for graduation will receive the second level Department of Public Instruction Child Care Teacher (CCT) certification allowing them to be a lead teacher in a licensed childcare center in Wisconsin. Students have the option to take the Child Care Co-Op work component too.

CULINARY ARTS 1: BASIC FOODS (Culinary Arts 1 - 8000)

Prerequisite: None

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 9-12

Credit: 0.5

Do you like hands on learning? Are you interested in learning the fundamentals of food preparation and how to stretch your food dollars, as well as how to make a meal in less than 30 minutes? Included in this one trimester course is safe food handling techniques, food trends, nutritionally sound meal planning, and convenience food usage. Food preparation includes introductory techniques in grains, pasta and stir-frying, quick breads and yeast breads, milk and cheese, vegetables and fruits, meats and poultry.

CULINARY ARTS 2: CULTURAL FOODS (Culinary Arts 2 - 8025)

Prerequisite: Culinary Arts 1: Basic Foods

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 9-12

Credit: 0.5

Do you like to travel? Do foods of other countries interest you? This course studies foods and cultures from around the world including Asia, Middle East, Africa, Mediterranean Countries, Europe, Latin America, and Regional United States. Prepare delicious, ethnic foods as you learn about careers in travel and tourism.

CULINARY ARTS 3: INTRO TO FOOD SERVICE (Culinary Arts 3 - 8060)

Prerequisite: Culinary Arts 2: Cultural Foods

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 10-12

Credit: 0.5

Are you interested in finding out more about the fastest growing career fields in the world - Hospitality, Food Service and Lodging? This course focuses on the skills and knowledge needed to pursue a career in Food Service. Units of study include career development, food and workplace safety, kitchen essentials (which includes knife skills), stocks, sauces, soups, sandwiches, and other popular American cuisine choices. Students have the opportunity to help plan and prepare food as well as to serve others as we host guests for multiple banquets. Interested in taking your Culinary Arts skills to the next level? Then this course is for you! Students also will be included in the National Organization – FCCLA. Students who are currently employed or seeking employment opportunity can also enroll in the Hospitality Youth Apprenticeship.

FAMILY CONSUMER SCIENCES

CULINARY ARTS 4: INTRO TO HOSPITALITY (Culinary Arts 4 - 8061)

Prerequisite: Culinary Arts 3: Intro to Food Service

Course Fee: None

Grade Level: 11-12

Course Detail: 1 Trimester

Credit: 0.5

Are you interested in developing skills that are mandatory within one of the World's largest industries? Students will develop skills essential for a career in the hospitality, restaurant, and lodging industry. Students will refine their culinary skills in the areas of short order cooking, salads, garnishing, nutrition, breakfast production, meats, poultry, seafood, presentation skills, dairy, cheese, and desserts. Management skills include professionalism, sustainability in food service, cost control, purchasing, inventory, and marketing. Students will develop menus and do the marketing and sale procedures for running their own restaurant ("Our Place Coffee and Bake Shop"). Students will plan and prepare gourmet meals for several banquets. Students will also take their skills into competition as an FCCLA member. Students who are currently employed or seeking employment can also enroll in the Hospitality Youth Apprenticeship.

FASHION DESIGN (Fashion Design - 8270)

Prerequisite: None

Course Fee: Materials

Grade Level: 9-12

Course Detail: 1 Trimester

Credit: 0.5

Are you interested in learning more about fashion? In this course, students will learn the basics of sewing, fabric care, and fashion trends. Students will be provided opportunities to develop and create individual and team projects.

FIBER, FABRIC, & FOOD ENTREPRENEURSHIP (Fiber, Fabric, & Foods - 8220)

Prerequisite: None

Course Fee: Materials

Grade Level: 9-12

Course Detail: 1 Trimester

Credit: 0.5

Do you have an interest in starting your own small business? Are you creative? If so, the Entrepreneurship with Fiber, Fabric, and Foods class is for you! Students will creatively use fabric and food to produce projects that will be marketed during this one trimester course. Projects will include fashion trends, holiday projects, cooking, food trucks, and more! Students will have multiple opportunities to design and create various projects.

INTERIOR DESIGN (Interior Design - 8271)

Prerequisite: None

Course Fee: Materials

Grade Level: 9-12

Course Detail: 1 Trimester

Credit: 0.5

This course is designed to give you an in-depth look at interior design. You will have the opportunity to be an interior design consultant. Emphasis will be on color, line, styles, materials and textiles, construction, and production, as well as careers and presentation methods for designers. Also included is the study of exterior and interior housing styles, furniture styles, accessories and backgrounds. You will develop professional presentations as the professionals do and design or/redesign a project.

FAMILY CONSUMER SCIENCES

MENTORING EXPERIENCE (Mentor: Tri 1 - 9512; Mentor: Tri 2 - 9513; Mentor: Tri 3 - 9518)

Prerequisite: Grade & Attendance Requirement

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 11-12

Credit: 0.5

Throughout the mentoring experience, the mentor will learn more about his or her own interests as they are related to career opportunities, build interpersonal skills, learn about what younger students are interested in, establish positive relationships with and be a positive role model for younger students throughout the Watertown community, and be able to reflect on their developing growth as a student. NOTE: This course can be taken in conjunction with Career Exploration - Education 101 or individually. You may register for two trimesters per year.

PARENTING & RELATIONSHIPS (Parenting & Relationship - 8140)

Prerequisite: None

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 9-12

Credit: 0.5

The Parenting course prepares students to understand the development of relationships throughout the lifespan. This course is designed to help young people acquire knowledge and skills essential to the care and guidance of relationships currently and as a future parent or caregiver. This course is highly recommended for students who want to pursue a career in the field of education from early childhood through high school level teaching. This course is encouraged for students interested in the ACC & CTT certificate courses.

PROFESSIONAL BAKING (Professional Baking - 8070)

Prerequisite: Culinary Arts 1

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 10-12

Credit: 0.5

If you enjoy baking, this course is for you. Upon completion of this course, you will have experienced the following: using professional baking equipment, making artisan breads, lean and rich dough yeast breads, quick breads, yeast, pastries, pies and tarts. Try your hand at baking cookies, cakes and cake decorating, preparing creams, icings and syrups. You will also have the experience of marketing and selling your product at the "Our Place" Bake Shop. If you choose, you can take the Servesafe test (safe food handler test) to receive credit from the National Restaurant Association.

HEALTH SCIENCES

Course Name	Course Number	9	10	11	12	Prerequisite	Course Fee
Certified Nursing Assistant DC	8370			X	X	X	X
Essential Skills in Healthcare	8355	X	X	X	X	X	
Healthcare Career Exploration	8350	X	X	X	X		
Health Observation DC	8360			X	X	X	X
Medical Terminology DC	8352			X	X		X
Sports Medicine	8357	X	X	X	X		

CERTIFIED NURSING ASSISTANT DC (CNA DC - 8370)

Prerequisite: Health Care Career Exploration; Attendance & Grade Requirements

Course Detail: 1 Trimester

Course Fee: \$73

Grade Level: 11-12

Credit: 0.5

(\$73 – Castle Branch Package: \$68; Course Placement Test: \$5)

Students will be instructed in skills that are required of nursing assistants in long-term care facilities or hospitals. The course consists of lecture, laboratory demonstrations in the classroom and clinical experience at a local facility. Upon proper completion of skills and passing a state certified test, the student will receive state certification and be eligible for employment. If a student fails the course, they will be held accountable for the cost of the class. This is a Madison College course and meets generally three times a week with additional class hours when clinical activities are completed. Students must provide their own transportation and may not ride with other students. Students must complete the Start College Now Program application by March 1st to be eligible for fall and October 1st to be eligible for spring. **Release time will only be given to students enrolling in this class during the school day.**

ESSENTIAL SKILLS IN HEALTHCARE (Essentials Skills Healthcare - 8355)

Prerequisite: 9th Grade Health

Course Detail: 1 Trimester

Course Fee: CPR Fee (optional)

Grade Level: 9-12

Credit: 0.5

Students in this class will learn an extension of knowledge in the following areas: personal health and wellness (communication, goal setting, and stress management), mental and emotional health (focus on mental illness/disorders), nutrition, human growth and development, and myths of aging. This health-related course will focus on essential skills students need to maintain their own health and wellness while working in health care. Students also become First Aid and CPR certified through the American Heart Association.

HEALTH CARE CAREER EXPLORATION (Health Care Career Expl - 8350)

Prerequisite: None

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 9-12

Credit: 0.5

Students are introduced to many basic topics involved with care in the medical field. The focus of this course will be on careers in health care with discussions, research, and the expertise of professionals from the community. Curriculum also includes information on safety practices, infection control, basics of insurance, history of health care, as well as legal and ethical responsibilities involved in health care.

HEALTH SCIENCES

HEALTH OBSERVATIONS DC (Health Observation DC - 8360)

Prerequisite: Health Care Career Exploration

Course Detail: 1 Trimester

Course Fee: Appx. \$75

Grade Level: 11-12

Credit: 0.5

(\$75 – Drug Screen: \$60; Background Check: \$10; Black Scrub Pants & Dark Long Sleeve shirt: Purchase on own; 2-step TB Test & updated immunizations required)

This course allows students the opportunity to ‘job shadow’ in the healthcare field. Students will begin the trimester in the classroom focusing on professionalism, interpersonal and written communication skills, and confidentiality as they relate to customer service in health care. Once observations begin, students will rotate through various positions at the hospital and other health care facilities in the community four days a week (M, T, Th, F). Students must provide their own transportation and may not ride with other students. Wednesday class will always be held at WHS to continue covering the course curriculum. This class is responsible for running the blood drive in the Fall and Spring. Students can earn two transcribed credits with WCTC for the course, Culture of Healthcare DC. Priority for enrollment will be given to employed Health Science Youth Apprenticeship students. Attendance is crucial for student success as only five excused absences are allowed.

MEDICAL TERMINOLOGY DC (Medical Terminology DC - 8352)

Prerequisite: None

Course Detail: 1 Trimester

Course Fee: \$65 (Online Textbook) Grade Level: 11-12

Credit: 0.5

This online course is fundamental for many health-related programs and is important to student success in the medical field. The focus of this course is on the component part of medical terms: prefixes, suffixes, and word roots. Students practice formulation, analysis, and reconstruction of terms. Emphasis is on spelling, word analysis, definition and pronunciation. This course requires a high level of reading and writing skills. Students need access to high-speed internet in order to work on course program outside of class time. Dual credit is available for juniors and seniors, who successfully complete this course with a grade of C or higher on the Penn Foster Grading Scale.

SPORTS MEDICINE (Sports Medicine - 8357)

Prerequisite: None

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 9-12

Credit: 0.5

The course of Sports Medicine is designed for students interested in the career of athletic training and other sports medicine related fields. The primary focus will include, but not limited to, the following topics: organization and administration, the history of sports medicine, the scope of practice of an athletic trainer, injury prevention, physical training and condition techniques, nutritional considerations, psychology of sports injury/illness, exercise physiology, kinesiology, injury assessment and evaluation, basic taping and bandaging, basic exercise rehabilitation, and drug use/abuse in sports.

INFORMATIONAL TECHNOLOGY

Course Name	Course Number	9	10	11	12	Prerequisite	Course Fee
<i>Game Design (Online)</i>	<i>e7038</i>	X	X	X	X	X	
<i>AP Computer Science A (Java) 1 & 2 (Online)</i>	<i>e7032/e7033</i>			X	X	X	
<i>Adv Computer Sci Programming (Python) 2 (Online)</i>	<i>e7031</i>		X	X	X	X	
<i>Applied School Technology Leadership (Online)</i>	<i>e7034</i>		X	X	X		
<i>Intro to Computer Sci Program (Python) 1 (Online)</i>	<i>e7030</i>	X	X	X	X		

GAME DESIGN 1: INTRODUCTION (Game Design Intro - e7038)

Prerequisite: Intro to Computer Programming (Python) 1

Course Fee: None

Grade Level: 9-12

Course Detail: 1 Trimester

Credit: 0.5

Does your love of video games motivate you to pursue a career in this field? Pursue your passion by learning about the principles of game design through the stages of development, iterative process, critiques, and game development tools. Put these new skills to work by designing your own game!

AP COMPUTER SCIENCE A (JAVA) 1 & 2 (AP Comp Sci 1 – e7032; AP Comp Sci 2 – e7033) (Online)

Prerequisite: Algebra (Adv. Algebra preferred)

Course Fee: None

Grade Level: 11-12

Course Detail: 2 Trimesters

Credit: 1

Students will learn to design and implement computer programs that solve problems relevant to today's society, including art, media, and engineering. AP Computer Science A teaches object-oriented programming using the Java language and is meant to be the equivalent of a first semester, college-level course in computer science. It will emphasize problem solving and algorithm development, and use hands-on experiences and examples so that students can apply programming tools and solve complex problems. Students who enroll in Computer Science Courses need attention to detail, good spelling skills, and patience to discover coding errors. This is not playing or using computer programs. You are creating the programs for other programs to use. No prior computer science knowledge or experience is necessary. (NOTE: The cost of the AP Exam is approx. \$96.00 for each student who chooses to take the exam.) **NOTE: This course may also be taken as a third credit of Math toward the WHS graduation requirement. This course may be recognized by some colleges toward a third math credit. However, students must confirm, with each specific college of interest, to determine if the course would be accepted toward a third math credit for admission.**

INFORMATIONAL TECHNOLOGY

ADVANCED COMPUTER SCIENCE PROGRAM (PYTHON) 2 (Adv Comp Progr 2 – e7031) (Online)

Prerequisite: Intro to Computer Programming (Python) 1

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 10-12

Credit: 0.5

*This course continues the concepts and content covered in the Introduction to Computer Science course. It expands on the foundation of computer science using the Python Language. This course prepares students for AP Computer Science A course. Students who enroll in Computer Science Courses need attention to detail, good spelling skills, and patience to discover coding errors. This is not playing or using computer programs. You are creating the programs for other programs to use. **NOTE: This course may also be taken as a third credit of Math toward the WHS graduation requirement. This course may be recognized by some colleges toward a third math credit. However, students must confirm, with each specific college of interest, to determine if the course would be accepted toward a third math credit for admission.***

APPLIED SCHOOL TECHNOLOGY LEADERSHIP (App Sch Tech Leader – e7034) (Online)

Prerequisite: None

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 10-12

Credit: 0.5

As technology in the WUSD expands, the need for skilled support for technology and teaching in the Digital Age continues to grow. This course applies a unique curriculum in preparing students to become Student Technology Leaders (STLs) by working with WUSD educators, peers, and IT staff to integrate technology in ways that improve the school experience for all. You will participate in real-world opportunities that develop the technological and people skills necessary to assist with technology challenges in the classroom and beyond. You will also learn to create content, mentor others, and develop professional working relationships with school staff. The course features a blended-learning curriculum with 17 units of study driven by a "learning by doing" philosophy of think, learn, and do. The leadership skills, along with the career and technical education gained will give you a unique advantage in the global marketplace. This is a blended course mixing online and face-to-face learning.

INTRO TO COMPUTER SCIENCE PROGRAM (PYTHON) 1 (Intro Comp Program 1 – e7030) (Online)

Prerequisite: None

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 9-12

Credit: 0.5

*An interactive introductory course for students new to programming that teaches the foundations of computer science using the Python language. Students will learn how to think computationally and solve complex problems, skills that are important for every student. The course will consist of video lessons, daily programming exercises, coding assignments, quizzes, projects, and exams. Students will also participate in online discussion forums. Students who enroll in Computer Science Courses need attention to detail, good spelling skills, and patience to discover coding errors. This is not playing or using computer programs. You are creating the programs for other programs to use. No prior computer science knowledge or experience is necessary. **NOTE: This course may also be taken as a third credit of Math toward the WHS graduation requirement. This course may be recognized by some colleges toward a third math credit. However, students must confirm, with each specific college of interest, to determine if the course would be accepted toward a third math credit for admission.***

MATHEMATICS

Course Name	Course Number	9	10	11	12	Prerequisite	Course Fee
AP Calculus AB 1 & 2	3230/3235			X	X	X	
AP Calculus BC 1 & 2	3260/3265				X	X	
AP Calculus AB/BC Prep	3238			X	X	X	
AP Statistics 1 & 2	3215/3216			X	X	X	
AP Statistics Prep	3219			X	X	X	
Advanced Algebra 1 & 2	3140/3150		X	X	X	X	
Algebra 1 & 2	3001/3002	X					
Elementary Algebra DC 1 & 2	3050/3055			X	X	X	
Functions, Statistics, Trigonometry 1 & 2	3240/3245			X	X	X	
Game Development (See IT Dept)	7031	X	X	X	X	X	
Geometry 1 & 2	3101/3111	X	X	X	X	X	
Geometry in Construction 1: Geometry	3250	X	X	X	X	X	X
Geometry in Construction 2: Geometry	3255	X	X	X	X	X	X
Geometry in Construction 3: Construction	8640	X	X	X	X	X	X
Honors Advanced Algebra 1 & 2	3225/3226		X	X		X	
Honors Geometry 1 & 2	3100/3110	X	X			X	
Honors Pre-Calculus 1 & 2	3120/3130			X	X	X	
Pre-Calculus 1 & 2	3160/3170			X	X	X	
AP Comp Sci (Java) 1 & 2 (See IT Dept)	e7032/e7033						
Adv Comp Sci Program 2 (See IT Dept)	e7030/e7031		X	X	X	X	
Blended High School Math 1 & 2 & 3 (Online)	e3180/e3181/e3182	X	X	X	X		
Intro to Comp Sci Program 1 (See IT Dept)	e7030	X	X	X	X		

Three credits required for graduation.

MATH RECOMMENDATIONS

Current Class	Passed with C or Better	Passed with below C
Algebra	Geometry	Geometry
Geometry	Advanced Algebra	Elementary Algebra DC
Elementary Algebra DC	Advanced Algebra	Advanced Algebra
Advanced Algebra	Pre-Calculus, AP Statistics or FST	FST
FST	Pre-Calculus and/or AP Statistics	Pre-Calculus or AP Statistics
Pre-Calculus	AP Calculus AB and/or AP Statistics	FST or AP Statistics
AP Calculus AB	AP Calculus BC and/or AP Statistics	AP Calculus BC or AP Statistics

MATHEMATICS

AP CALCULUS AB 1 & 2 (AP Calculus AB 1 - 3230; AP Calculus AB 2 - 3235)

Prerequisite: Successful completion of all courses through Pre-Calc Course Detail: 2 Trimesters

Students that earned a C or lower in Pre-Calc should consider FST

Course Fee: None

Grade Level: 11-12

Credit: 1

This two-part course on Calculus follows the objectives of the CEEB Advanced Placement Program. This course covers the concept of Limits: algebraically, numerically, graphically and verbally. The course then continues with a formal definition of the derivative and finishes with the chain, product and quotient rules for derivatives. Finally, students use the ideas of limits and derivatives to study the concepts in context with engineering, physics and business applications. Part two picks up with the study of two types of integrals, using integrals to solve accumulation problems, area problems, volumes of rotation, solving separable differential equations and introductory integration techniques. Students are given the opportunity to take the Advanced Placement Exam in May. Each student will be required to have a TI-84+ graphing calculator. Students will also need ready access to a computer and the internet. (NOTE: The cost of the AP Exam is approx. \$96.00 for each student who chooses to take the exam.)

AP CALCULUS BC 1 & 2 (AP Calculus BC 1 - 3260; AP Calculus BC 2 - 3265)

Prerequisite: Successful completion of all courses through AP CalcAB Course Detail: 2 Trimesters

Course Fee: None

Grade Level: 12

Credit: 1

This course is a continuation of a study on Calculus following the objectives of the CEEB Advanced Placement Calculus BC Program. This course reviews the concept of limits, derivatives and integration using the rule of 4: algebraically, numerically, graphically and verbally. The course will then cover topics on Improper Integrals, Infinite Series including radii of convergence and convergence tests, parametric functions, polar functions, vectors as well as further studies in solving differential equations. Students are given the opportunity to take the Advanced Placement Calculus BC Exam in May. Each student will be required to have a TI-84+ graphing calculator. Students will also need ready access to a computer and the internet. Students planning to take the AP exam are eligible to take the AP Calculus Study Course during Trimester 3. (NOTE: The cost of the AP Exam is approx. \$96.00 for each student who chooses to take the exam.)

AP CALCULUS AB/BC PREP (AP Calculus AB/BC Prep - 3238)

Prerequisite: AP Calculus 1 & 2

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 11-12

Credit: 0.5

AP Prep courses are extensions of the regular AP coursework and are intended to further prepare students for the AP examination process. Students will review major course concepts and address topics in greater detail in situations where the pacing of the course did not afford the opportunity. Students will also continue to work on practice tests and activities to prepare for the rigors of the AP Exam. When the AP Exams have concluded, students will be engaged in content area projects where they will further synthesize course concepts.

MATHEMATICS

AP STATISTICS 1 & 2 (AP Statistics 1 - 3215; AP Statistics 2 - 3216)

Prerequisite: Successful completion of all courses through Adv Alg
Course Fee: None

Grade Level: 11-12

Course Detail: 2 Trimesters
Credit: 1

This two-part course on Statistics follows the objectives of the CEEB Advanced Placement Program. This is a college level, non-calculus based course. This course is designed to present strategies for collecting, organizing, analyzing, and drawing conclusions from data. Students will work on projects involving the hands-on gathering and analysis of real world data. They will learn to interpret and judge the statistical information in the world around them. Computers and calculators will allow students to investigate and explore statistical concepts. Effective communication skills will be developed through regular written analysis of real data. The course content and learning activities will prepare students for the AP Exam and possible college credit. Each student will be required to have a TI-84+ graphing calculator. They will also need ready access to a computer and the internet. (NOTE: The cost of the AP Exam is approximately \$96.00 for each student who chooses to take the exam.)

AP STATISTICS PREP (AP Statistics Prep - 3219)

Prerequisite: AP Statistics 1 & 2
Course Fee: None

Grade Level: 11-12

Course Detail: 1 Trimester
Credit: 0.5

AP Prep courses are extensions of the regular AP coursework and are intended to further prepare students for the AP examination process. Students will review major course concepts and address topics in greater detail in situations where the pacing of the course did not afford the opportunity. Students will also continue to work on practice tests and activities to prepare for the rigors of the AP Exam. When the AP Exams have concluded, students will be engaged in content area projects where they will further synthesize course concepts.

ADVANCED ALGEBRA 1 & 2 (Advanced Algebra 1 - 3140; Advanced Algebra 2 - 3150)

Prerequisite: Successful completion of Algebra & Geometry
Course Fee: None

Grade Level: 10-12

Course Detail: 2 Trimesters
Credit: 1

Passing Advanced Algebra 1 and 2 satisfies minimum college admission requirements. Each topic investigates applications to real world problems. Problem-solving strategies are integrated throughout. Topics covered in trimester one include Functions and Function Notation, Linear Functions, Quadratic Functions, Radical Functions and Polynomial Functions. Topics covered in trimester 2 include Rational Functions, Exponential/Logarithmic Functions, Conics, Statistics and Trigonometry. A graphics calculator (TI-84+) is recommended.

MATHEMATICS

ALGEBRA 1 & 2 (Algebra 1 - 3001; Algebra 2 - 3002)

Prerequisite: None

Course Fee: None

Grade Level: 9

Course Detail: 2 Trimesters

Credit: 1

Algebra covers basic topics in algebra including expressing relationships algebraically, solving and graphing equations/inequalities, polynomial operations, systems of equations and probability. Linear equations are applied to problem solving. Algebra 2 topics include expressing relationships algebraically, factoring, stats, matrices, sequences/series and rational and irrational numbers. Quadratic and exponential equations are applied to problem solving. Emphasis is placed on the application of mathematical principles to a wide variety of problems. A scientific or graphics calculator is recommended.

ELEMENTARY ALGEBRA DC 1 & 2 (Elem Alg 1 - 3050; Elem Alg 2 - 3055) (Formally Intermediate Algebra)

Prerequisite: Algebra & Geometry

Course Fee: Tuition (Credit)

Grade Level: 11-12

Course Detail: 2 Trimesters

Credit: 1

This course offers traditional algebra topics with applications. Learners develop algebraic problem solving techniques needed for technical problem solving and for more advanced algebraic studies. Topics include linear equations, exponents, polynomials, rational expressions, and roots and radicals. Successful completion of this course prepares learners to succeed in technical mathematics courses.

FUNCTIONS, STATISTICS, TRIGONOMETRY (FST) 1 & 2 (Funct, Stats, Trig 1 - 3240; Funct, Stats, Trig 2 - 3245)

Prerequisite: Successful completion of all courses through Adv Alg
and/or students with a C or lower in Pre-Calculus

Course Fee: None

Grade Level: 11-12

Course Detail: 2 Trimesters

Credit: 1

This is a two-part course. Functions, Statistics, and Trigonometry (FST) will combine traditional mathematical content with an emphasis on problem solving in real-life situations, geometry, statistics, and probability. FST emphasizes functional expressions and forms, especially linear and quadratic forms, powers and roots, and functions based on these concepts. Students study logarithmic, trigonometric, polynomial, circular and other special functions both for their abstract properties and for modeling real-world situation. The course will also introduce statistical properties such as measures, probability, simulation and binomial and normal distributions. A graphics calculator is needed.

GEOMETRY 1 & 2 (Geometry 1 - 3101; Geometry 2 - 3111)

Prerequisite: Successful completion of Algebra 1 & 2

Course Fee: None

Grade Level: 9-12

Course Detail: 2 Trimesters

Credit: 1

This is a two-part course. The course introduces the basic geometric figures and postulates. It then uses these to create theorems involving angle pair relations, parallel and perpendicular lines, transformations and similarity. Part two begins with trigonometry. After trigonometry is covered, the course moves to congruent triangles, quadrilaterals and polygons, circles and three-dimensional figures. A scientific or graphics calculator is recommended.

MATHEMATICS

GEOMETRY IN CONSTRUCTION 1: GEOMETRY (Geometry in Construction 1: Geom - 3250)

GEOMETRY IN CONSTRUCTION 2: GEOMETRY (Geometry in Construction 2: Geom - 3255)

GEOMETRY IN CONSTRUCTION 3: CONSTRUCTION (Geometry in Construction 3: Cons - 8640)

Prerequisite: Passed Algebra 1 & 2

Course Detail: 3 Trimesters

Course Fee: Materials

Grade Level: 9-12

Credit: 1.5 (1 - Geom; 0.5 - Const)

This class will meet for one period all year long. Students must register for all three courses. Geometry in Construction is an integrated course where students learn a variety of topics through building a significant construction project that will be of service to the Watertown community. Students will learn safety, problem solving, tool use, print reading, and career exploration. Geometry content is similar to other geometry courses in the Math Department and is designed to prepare students for Advanced Algebra. The course is team taught with a Math and Tech Ed teacher. Students do not need prior construction experience.

HONORS ADVANCED ALGEBRA 1 & 2 (Honors Advanced Alg 1 - 3225; Honors Advanced Alg 2 - 3226)

Prerequisite: Algebra & Honors Geometry

Course Detail: 2 Trimesters

Course Fee: None

Grade Level: 10-11

Credit: 1

This is a two-part course. Honors Advanced Algebra moves at a faster pace and more in depth than Advanced Algebra. Each topic investigates applications to real world problems. Problem-solving strategies are integrated throughout. Topics covered include functions, linear functions, quadratic functions, radical functions, polynomial functions, and rational functions. Topics covered in trimester 2 include matrices, probability, sequences and series, statistics, trigonometry, logarithmic functions and conics A graphics calculator is recommended.

HONORS GEOMETRY 1 & 2 (Honors Geometry 1 - 3100; Honors Geometry 2 - 3110)

Prerequisite: Algebra

Course Detail: 2 Trimesters

Course Fee: None

Grade Level: 9-10

Credit: 1

This is a two-part course. Honors Geometry moves at a faster pace and is more in depth than Geometry. The course introduces the basic geometric figures and postulates. It then uses these to create theorems involving angle pair relations, parallel and perpendicular lines, transformations and similarity. Course two begins with trigonometry and will move to congruent triangles, quadrilaterals and polygons, circles and three-dimensional figures. A scientific or graphics calculator is recommended.

HONORS PRE-CALCULUS 1 & 2 (Honor Pre-Calculus 1 - 3120; Honor Pre-Calculus 2 - 3130)

Prerequisite: Algebra, Honors Geometry & Honors Adv Algebra

Course Detail: 2 Trimesters

Course Fee: None

Grade Level: 11-12

Credit: 1

This is a two-part course. This course moves at a faster pace and more in depth than Pre-Calculus. Each topic investigates applications to real world problems. Problem-solving strategies are integrated throughout. Topics covered include functions (linear, quadratic, exponential, logarithmic, power, polynomial, rational) and mathematical models, fitting functions to data, and trigonometric functions and their graphs. Topics covered in course two include identities of trigonometric functions, harmonic analysis, conic sections, polar coordinates and complex numbers, three - dimensional vectors, matrices, probability, and an introduction to limits and derivatives. A graphics calculator is required for this course.

MATHEMATICS

PRE-CALCULUS 1 & 2 (Pre-Calculus 1 - 3160; Pre-Calculus 2 - 3170)

Prerequisite: Successful completion of Alg, Geom, and Adv Alg

Course Detail: 2 Trimesters

Course Fee: None

Grade Level: 11-12

Credit: 1

This is a two-part course. Students who need and/or desire a strong background in mathematics should take this course. The emphasis is on types and graphs of functions, properties of functions using rule of four, fitting functions to data, polynomial and rational functions and trigonometry basics. Course two emphases is on sinusoidal graphs, six trigonometric functions, trigonometric identities and creating proofs of them, solving trig equations, applying parametric equations, harmonic analysis, triangle trig and vectors, conic sections and polar form. Higher-level thinking skills are utilized in real world problem solving and multi-step problems. Algebraic and geometric concepts are integrated and utilized throughout. A graphics calculator is required for this class.

BLENDED HIGH SCHOOL MATHEMATICS

(Blended HS Math 1 – e3180; Blended HS Math 2 – e3181; Blended HS Math 3 – e3182) (Online)

Prerequisite: None

Course Detail: 3 Trimester(s)

Course Fee: None

Grade Level: 9-12

Credit: 0.5 – 1.5 credit(s)

Blended Mathematics is a self-paced, personalized mathematics course that provides opportunities for a variety of learners to earn math credits in traditional categories (Algebra, Geometry, etc.), but at a pace that makes sense for the learners. The course will allow students of multiple ages to work on coursework ranging from their current level of competency through pre-calculus while receiving real-time feedback in the form of knowledge checks at regular intervals in an attempt to maximize mathematical advancement to allow the highest level of math acquisition before graduation. Opportunities will be provided for students to pursue as many credits for which they can demonstrate mastery. Students below the level of Algebra have the opportunity to earn a full math credit required for high school graduation upon completion of 3 consecutive trimesters in Blended Math AND a demonstrated advancement in excess of one full grade level. All students will learn to increase their personal responsibility and ownership in their learning and to apply math knowledge in various ways. This course is intended for all learner types to build confidence and receive instruction at the level they are at and to move them to the maximum level they can achieve in their mathematical journey. In addition to working through the defined curriculum “coursework” and earning credits in Algebra, Geometry, etc. students would also:

**Be engaged in daily warm-ups and challenges*

**Communicate mathematically*

**Learn to build personal responsibility through weekly reflections*

**Apply concepts learned to tackle challenging puzzles, real world problems, or simply fun problems*

**Work collaboratively on group activities and projects by using math to model the world around them*

**Engage in math discussions using the appropriate vocabulary and explanations to demonstrate a deeper level understanding of math.*

MUSIC

Course Name	Course Number	9	10	11	12	Prerequisite	Course Fee
General Music:							
AP Music Theory 1 & 2	6370/6375		X	X	X	X	
AP Music Theory Prep	6378		X	X	X	X	
Advanced Soundscapes	6125	X	X	X	X	X	
Class Guitar	6110	X	X	X	X		
School of Rock	6355	X	X	X	X	X	
Soundscapes	6120	X	X	X	X		
Instrumental Music:							
Chamber Orchestra 1, 2, 3	6276/6277/6278		X	X	X		
Concert Band 1	6280	X	X	X	X		
Concert Band 2/3	6281	X	X	X	X		
Concert Orchestra 1	6270	X	X	X	X		
Concert Orchestra 2/3	6273	X	X	X	X		
Philharmonic Orchestra 1, 2, 3	6290/6291/6292		X	X	X	X	
Symphonic Band 1	6295	X	X	X	X		
Symphonic Band 2/3	6296	X	X	X	X		
Wind Symphony 1, 2, 3	6300/6305/6310		X	X	X	X	
Vocal Music:							
Choral Ensemble: Soprano-Alto 1	6215	X	X	X	X		
Choral Ensemble: Soprano-Alto 2/3	6216	X	X	X	X		
Choral Ensemble: Tenor-Baritone 1	6220	X	X	X	X		
Choral Ensemble: Tenor-Baritone 2/3	6225	X	X	X	X		
Concert Choir 1, 2, 3	6240/6245/6250		X	X	X	X	
Select Voices 1, 2, 3	6230/6232/6235		X	X	X	X	
Advanced Shared Music 1, 2, 3	6315/6316/6317		X	X	X	X	
Intermediate Shared Music 1, 2, 3	6312/6313/6314	X	X	X	X	X	

AP MUSIC THEORY 1 & 2 (AP Music Theory 1 - 6370; AP Music Theory 2 - 6375)

Prerequisite: Current or previous school music course

Course Detail: 2 Trimesters

Course Fee: None

Grade Level: 10-12

Credit: 1

Get to know the inner-workings behind music. In this AP level course, students will expand on their knowledge of music, going deeper into ideas of melody, harmony, form, and the structural elements within music. In addition, students will develop their overall musicianship through training their ears to recognize melodies and rhythm, and by singing melodic ideas. (NOTE: The cost of the AP Exam is approx. \$96.00 for each student who chooses to take the exam.)

MUSIC

AP MUSIC THEORY PREP (AP Music Theory Prep - 6378)

Prerequisite: AP Music Theory 1 & 2

Course Fee: None

Grade Level: 10-12

Course Detail: 1 Trimester

Credit: 0.5

AP Prep courses are extensions of the regular AP coursework and are intended to further prepare students for the AP examination process. Students will review major course concepts and address topics in greater detail in situations where the pacing of the course did not afford the opportunity. Students will also continue to work on practice tests and activities to prepare for the rigors of the AP Exam. When the AP Exams have concluded, students will be engaged in content area projects where they will further synthesize course concepts.

ADVANCED SHARED MUSIC 1, 2, & 3 (Adv Shrd Msc 1 - 6315; Adv Shrd Msc 2 - 6316, Adv Shrd Msc 3 - 6317)

Prerequisite: See Individual Course Descriptions

Course Fee: None

Grade Level: 10-12

Course Detail: 1 Trimester

Credit: 0.5

Participate in two performance based music disciplines in any combination: Band, Choir, or Orchestra. This course is designed for students who share music courses during the same class period. (Vocal meets Monday and Thursday and Instrumental meets Tuesday and Friday. Students alternate Wednesdays.)

ADVANCED SOUNDSCAPES (Advanced Soundscapes - 6125)

Prerequisite: Soundscapes

Course Fee: None

Grade Level: 9-12

Course Detail: 1 Trimester

Credit: 0.5

Create your own music with this advanced music production course! Advanced Soundscapes is a continuation of Soundscapes, where you will dive deeper into the compositional elements of music production. In addition, you explore some of the other aspects of music production such as mashups, remixes, and sampling. Completion of Soundscapes is a prerequisite for taking this course.

CHAMBER ORCHESTRA (Chamber Orch 1 - 6276; Chamber Orch 2 - 6277; Chamber Orch 3 - 6278)

Prerequisite: Audition

Course Fee: None

Grade Level: 10-12

Course Detail: 3 Trimesters

Credit: 1.5

Perform with our school's most advanced string ensemble! Chamber Orchestra is open to students by audition only in grades 10-12. We perform a wide variety of music at the advanced/collegiate level from Classical to Contemporary. Students are encouraged to participate in private study and/or WSMA Solo/Ensemble Festival as they continue to improve upon their individual achievements. This ensemble performs throughout the school year and participates in the Fall Orchestra Concert, St. Bernard's Holiday Program, Mass Orchestra, Arts, Beats, and Eats Festival, WSMA Festival, and the May Orchestra Concert and Senior Farewell. Students in Chamber Orchestra have additional opportunities for performance outside of the class structure including Pit Orchestra, Symphony Orchestra, Solo/Ensemble Festival, State Solo/Ensemble Festival, Pep Band, and performances throughout the community.

MUSIC

CHORAL ENSEMBLE 1 (Choral Ensemble Soprano-Alto 1 - 6215; Choral Ensemble Tenor 1 - 6220)

Prerequisite: None

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 9-12

Credit: 0.5

Sing a variety of musical styles and genres as you develop your voice at the high school. Students rehearse in a combined Soprano-Alto and Tenor-Baritone choir, performing both together and separate groups throughout the course of the year. This choir participates in the Fall Vocal Concert, Holiday Concert at St. Bernard's, Festival of the Arts, Dessert Concert and Pops Concert. ***Students enrolled in Choral Ensemble 1 must also take Choral Ensembles 2/3.**

CHORAL ENSEMBLE: SOPRANO-ALTO 2/3 (Chor Ens Soprano-Alto 2/3 - 6216)

CHORAL ENSEMBLE: TENOR-BARITONE 2/3 (Chor Ens Tenor 2/3 - 6225)

Prerequisite: None

Course Detail: 2 Trimesters

Course Fee: None

Grade Level: 9-12

Credit: 0.5 at the end of Tri 3

*This course will meet every other day during Trimesters 2 & 3 and will alternate with Freshman Physical Education or Financial Literacy (sophomores). This course is a continuation of Choral Ensemble 1.

CLASS GUITAR (Class Guitar - 6110)

Prerequisite: None

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 9-12

Credit: 0.5

Learn to play the guitar! No experience required. Students will develop basic technique in multiple styles, learn to read and write three forms of music notation, and study the history of the instrument and its influence on music history. This course is designed for aspiring guitarists with little to no prior knowledge or skill. Students who already play the guitar should consider taking School of Rock.

CONCERT BAND 1 (Concert Band 1 - 6280)

Prerequisite: None

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 9-12

Credit: 0.5

Develop your skills and technique on an instrument through performance within a large ensemble. Through the beginning of the year, students will perform for the entire Varsity sporting events with the marching band, developing a field show that will be performed at half time. Students will then transition into concert band where attention will be set on developing individual technique and skill on their instrument, learning musical literacy skills, and developing their overall musicianship. Students will have the opportunity to have private lessons throughout the year, and individual growth and development will be tracked and assessed using SmartMusic. ***Students enrolled in Concert Band 1 must also take Concert Band 2/3.**

MUSIC

CONCERT BAND 2/3 (Concert Band 2/3 - 6281)

Prerequisite: None

Course Fee: None

Grade Level: 9-12

Course Detail: 2 Trimesters

Credit: 0.5 at the end of Tri 3

*This course will meet every other day during Trimesters 2 & 3 and will alternate with Freshman Physical Education or Financial Literacy (sophomores). A continuation of Concert Band 1, students will further work on their individual technique and ensemble playing in this developing group. Students will perform as a part of a large ensemble, working on a variety of different styles culminating in a Winter Concert. In addition to continuing working on large-ensemble music pieces, students will work on their own solo music as well as possible chamber music to be performed at the District Solo/Ensemble Festival. Students will participate in private lessons, and learn a variety of musical skills and techniques to further their development on their instrument and within the large ensemble.

CONCERT CHOIR (Concert Choir 1 - 6240; Concert Choir 2 - 6245; Concert Choir 3 - 6250)

Prerequisite: Audition

Course Fee: None

Grade Level: 10-12

Course Detail: 3 Trimesters

Credit: 1.5

Sing in Watertown High School's most advanced vocal performance ensemble. Concert Choir is open to students by audition only. Perform a wide variety of advanced/collegiate level vocal literature in this mixed group of singers. Individual achievement is encouraged through private voice lessons and Solo Ensemble participation. This choir performs in the Fall Vocal Concert, Holiday Concert, Festival of the Arts, Showcase Concert and Pops Concert. ***Students enrolled in Concert Choir 1 must also take Concert Choir 2 and 3.**

CONCERT ORCHESTRA 1 (Concert Orchestra 1 - 6270)

Prerequisite: Prior experience on their string instrument (RMS or Other)

Course Fee: None

Grade Level: 9-12

Course Detail: 1 Trimester

Credit: 0.5

Concert Orchestra is an early intermediate/intermediate group where students develop the skills necessary to move towards our middle and advanced ensembles. It is designed for string players who have prior string experience, either from participating in a prior school program or private study. Students learn a variety of music and work with guest artists as available. The ensemble performs four concerts throughout the year including the Fall Orchestra Concert, the Orchestra Winter Concert, Mass Orchestra, Arts, Beats, and Eats Festival, and the May Orchestra Concert and Senior Farewell. Students in this ensemble also have additional opportunities for performance outside of the class structure including Pit Orchestra, Symphony Orchestra, Solo/Ensemble Festival, State Solo/Ensemble Festival, Pep Band, and performances throughout the community. ***Students enrolled in Concert Orchestra must also take Concert Orchestra 2/3.**

CONCERT ORCHESTRA 2/3 (Concert Orchestra 2/3 - 6273)

Prerequisite: Concert Orchestra 1

Course Fee: None

Grade Level: 9-12

Course Detail: 2 Trimesters

Credit: 0.5 at the end of Tri 3

*This course will meet every other day during Trimesters 2 & 3 and will alternate with Freshman Physical Education or Financial Literacy (sophomores). This course is a continuation of Concert Orchestra 1.

MUSIC

INTERMEDIATE SHARED MUSIC 1, 2, & 3 (Int Shrd Msc1 - 6312; Int Shrd Msc2 - 6313, Int Shrd Msc3 - 6314)

Prerequisite: See Individual Course Descriptions

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 9-12

Credit: 0.5

Participate in two performance based music disciplines in any combination: Band, Choir, or Orchestra. Students may also choose to register for this course for every day Band or every day Orchestra when they are unable to schedule the appropriate ensembles as Trimester 2/3 courses. This course is designed for students who share music courses during the same class period. (Courses meet based on a Day 1/Day 2 schedule.) Students who sign up for Intermediate Shared Music 2 and 3, must sign up for regular PE 9/Financial Literacy, not PE 9/Financial Literacy (Music).

PHILHARMONIC ORCHESTRA (Phil Orch 1 – 6290; Phil Orch 2 – 6291; Phil Orch 3 - 6292)

Prerequisite: Audition

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 10-12

Credit: 0.5

Play a variety of musical styles in our intermediate/early advanced string ensemble! Philharmonic is open to students in grades 10-12 with accomplished string experience. Students are encouraged to participate in private study and/or WSMA Solo/Ensemble Festival as they continue to improve upon their individual skills. We perform with guest artists when available and throughout the school year. Philharmonic students have additional opportunities for performance outside of the class structure including Pit Orchestra, Symphony Orchestra, Pep Band, and performances throughout the community.

SCHOOL OF ROCK (School of Rock - 6355)

Prerequisite: HS music course; ability to sing or play an instrument

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 9-12

Credit: 0.5

Form a band and learn the history of popular music in this interactive music history course. Students will study the evolution of popular music from the 1950s, 1960s, and 1970s. Small rock bands will be formed as students learn to perform music from the historical periods they are studying. Teams will also learn about compositional elements within Rock and compose their own music with the class. Basic sound design and recording will also be covered to simulate real world experiences.

SELECT VOICES (Select Voices 1 - 6230; Select Voices 2 - 6232; Select Voices 3 - 6235)

Prerequisite: Audition

Course Detail: 3 Trimesters

Course Fee: None

Grade Level: 10-12

Credit: 1.5

Sing a variety of 3 and 4-part treble music in this choir of all female students. Select Voices is the intermediate level choir for treble voiced students. This choir performs in the Fall Vocal Concert, Holiday Concert at St. Bernard's, Festival of the Arts, Showcase Concert and Pops Concert. Solo Ensemble and private voice lessons are highly encouraged. ***Students enrolled in Select Voices 1 must also take Select Voices 2 and 3.**

MUSIC

SOUNDSCAPES (Soundscapes - 6120)

Prerequisite: None

Course Fee: None

Grade Level: 9-12

Course Detail: 1 Trimester

Credit: 0.5 (CTE Credit)

Create your own music with this introductory music production course! In Soundscapes you will learn all of the ins and outs of music technology and production. Using professional grade music production software, you will craft your own beats, create full songs, compose melodies, and more. In addition, you will learn some of the technological components of music production such as microphones, recording, MIDI, audio effects, and mixing. **This course counts as a CTE credit.*

SYMPHONIC BAND 1 (Symphonic Band 1 - 6295)

Prerequisite: None (placement made by directors)

Course Fee: None

Grade Level: 9-12

Course Detail: 1 Trimester

Credit: 0.5

Develop your skills and technique on an instrument through performance within a large ensemble. Through the beginning of the year, students will perform for all Varsity sporting events with the marching band, developing a field show that will be performed at half time. Students will then transition into concert band where attention will be set on developing individual technique and skill on their instrument, learning musical literacy skills, and developing their overall musicianship. Students will perform as a part of a large ensemble, working on a variety of different styles culminating in a Winter Concert. Students will have the opportunity to have private lessons throughout the year. ***Students enrolled in Symphonic Band 1 must also take Symphonic Band 2/3.**

SYMPHONIC BAND 2/3 (Symphonic Band 2/3 - 6296)

Prerequisite: Symphonic Band 1

Course Fee: None

Grade Level: 9-12

Course Detail: 2 Trimesters

Credit: 0.5 at the end of Tri 3

**This course will meet every other day during Trimesters 2 & 3 and will alternate with Freshman Physical Education or Financial Literacy (sophomores). A continuation of Symphonic Band 1, students will further work on their individual technique and ensemble playing in this developing group. In addition to continuing working on large-ensemble music pieces, students will work on their own solo music as well as possible chamber music to be performed at the District Solo/Ensemble Festival. Students will participate in private lessons, and learn a variety of musical skills and techniques to further their development on their instrument and within the large ensemble.*

MUSIC

WIND SYMPHONY (Wind Symphonic 1 - 6300; Wind Symphonic 2 - 6305; Wind Symphonic 3 - 6310)

Prerequisite: Audition

Course Detail: 3 Trimesters

Course Fee: None

Grade Level: 10-12

Credit: 1.5

Challenge yourself to perform collegiate level band literature in this advanced ensemble. Students will work as a team to prepare and perform at Varsity sporting events throughout Marching Band season, the first 6 weeks of the school year. Transitioning to concert music in mid-October, students work to develop an ensemble sound, study the art of practice, begin private lessons, and prepare for both a Fall Concert and the annual St. Bernard's Holiday Concert. Musical selections challenge students to improve literacy of mixed, compound, and asymmetrical meter, develop technical mastery of their instrument, and learn basic music theory. Wind Symphony members will work on solo literature in private lessons and participate in at least one festival event, quintet or smaller. Students will also have the opportunity to perform in the Memorial Day parade and are required to perform at Graduation. ***Students enrolled in Wind Symphony 1 must also take Wind Symphony 2 and 3.**

OTHER

ACADEMIC DECATHLON (Academic Decathlon - 4075)

Prerequisite: None

Course Fee: None

Grade Level: 9-12

Course Detail: 1 Trimester

Credit: 0.5

The purpose of the US Academic Decathlon is to develop and provide academic competitions, curriculum, and assessment to promote learning and academic excellence through teamwork among students of all achievement levels. Academic Decathlon is structured to provide students with a comprehensive, cross-curricular exposure to an in-depth, college level investigation of an annually pre-determined topic. Academic Decathlon is offered only during the first trimester of each academic year. The following subjects are covered: Art, Economics, Mathematics, Language & Literature, Music, Social Science, and Science. Students will be expected to attend study sessions that will be held outside of the regular school day. Students will be expected to compete in academic competitions that include testing, public speaking, and essay writing. *This course can be applied toward the humanities requirement.

INDEPENDENT STUDY (Independent Study - 0060)

Prerequisite: Attendance & Grades

Course Fee: None

Grade Level: 11-12

Course Detail: 1 Trimester

Credit: 0.5

When the needs and interest of the student indicate goals that cannot be satisfied within the limits of the current curriculum and/or time structure, the student may enter into a contract with a teacher in the subject area of his/her expressed interest. Such a contract shall indicate goals to be achieved, the learning activities to be experienced, an approximation of the necessary time involvement, the methods of evaluation and the credit to be awarded. Credit can be granted only upon the approval of the principal. Independent Study applications are available in the Student Services Office and must be approved by the principal no later than the third day of the trimester. No more than one Independent Study may be taken each year and not during the same trimester as a study hall. Students must have no unexcused absences, no F grades, and no referrals from the previous trimester.

PHYSICAL EDUCATION/HEALTH

Course Name	Course Number	9	10	11	12	Prerequisite	Course Fee
Adaptive Physical Education Mentor	9216		X	X	X		
Aerobic Fitness	9300		X	X	X	X	
Freshman Physical Education/Early Bird PE/ Freshman Physical Education (Music)	9190/9191/9195	X					X
Health Education/Early Bird Health	9220/9221	X					
Healthy You, Healthy Lifestyle	9305	X	X	X	X		
Lifetime Fitness (Winter)	9310		X	X	X	X	
Lifetime Sports (Fall or Spring)	9315		X	X	X	X	
Net Games	9325		X	X	X	X	
Personal Health & Wellness CAPP	9320	X	X	X	X		X
Unified Strength 1, 2, 3/ Early Bird Unified Strength 1, 2, 3	9192/9193/9196 9194/9197/9198	X	X	X	X		
Team Sports	9330		X	X	X	X	
<i>Sports & Society (Online)</i>	<i>e6005 & e9225</i>		X	X	X		

All students are required to take 1.5 total credits of Physical Education to graduate. Each trimester of Physical Education Class is worth 0.5 credit. All classes may be repeated for multiple elective credits.

Required:

- 1 trimester of physical education during grade 9, which is required by all freshmen, titled: Freshman Physical Education Course.
- 1 trimester of physical education during grade 10.
- 1 trimester of physical education during grade 11 or 12.

Students may elect to take additional physical education courses beyond what is required. Sophomore, junior, and senior students will choose the courses that they want to take.

Fee: One-time high school (4 year) heart rate monitor strap and combination lock - \$25.

Replacement Fee: Heart rate monitor strap - \$18 or combination lock fee - \$7

ADAPTIVE PHYSICAL EDUCATION MENTOR (Mentor - 9216)

Prerequisite: None

Course Fee: None

Grade Level: 10-12

Course Detail: 1 Trimester

Credit: 0.5 (Elective)

Students can receive an elective credit as a class helper in the Adaptive Physical Education class. If you are looking for a rewarding experience where you can work one on one with a student who may need assistance, this is a great opportunity. You **MUST** fill out an application to be considered for this class. See Ms. Jansen if you are interested in this opportunity. No heart rate strap or lock is required.

AEROBIC FITNESS (Aerobic Fitness - 9300)

Prerequisite: Freshman Physical Education

Course Fee: None

Grade Level: 10-12

Course Detail: 1 Trimester

Credit: 0.5

If you are looking for a course based on strength, flexibility, and fitness that will help tone your muscles as well as increase your core strength, this popular class is perfect for you. Total body fitness will be developed through the practice of yoga, Pilates, step aerobics, Swiss ball, circuit training, T25, P90X and many other great workouts.

PHYSICAL EDUCATION/HEALTH

FRESHMAN PHYSICAL EDUCATION (Phy Ed 9 - 9190; EB Phy Ed 9 - 9191, Phy Ed 9 (Music) - 9195)

Prerequisite: None

Course Detail: 1 Trimester

Course Fee: \$25

Grade Level: 9

Credit: 0.5

*Phy Ed 9 (Music) will receive 0.5 credit at the end of Trimester 3.

This required class for all freshmen includes the basic rules and techniques for many field sports, racquet sports, and weight training techniques. These include basketball, badminton, floor hockey, football, pickleball, tennis, volleyball, and weight training.

Early Bird Option: This class will allow freshman students to take more classes during the school day. Early Bird class will meet daily for one trimester (60 days) from 6:30 a.m. - 7:40 a.m.

HEALTH EDUCATION (Health - 9220, EB Health - 9221)

Prerequisite: None

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 9

Credit: 0.5

Concentrates on personal health and changes physically, emotionally, and socially that occur during the teen years. You will be able to better understand yourself and improve your decision-making skills in developing a health positive lifestyle.

Early Bird Option: This class will allow freshman students to take more classes during the school day. Early Bird class will meet daily for one trimester (60 days) from 6:30 a.m. - 7:40 a.m.

HEALTHY YOU, HEALTHY LIFESTYLE (Healthy You, Healthy Lifestyle - 9305) ***Not in lieu of Freshman Health**

Prerequisite: None

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 9-12

Credit: 0.5

Learn how to maintain or achieve a healthy body by eating wisely and exercising! Your nutrition and fitness habits will continue to affect your life. This offers both exercise and learning and how to make healthy food choices and prepare healthy foods. You will learn how to make healthy foods and maintain a strong body by toning, aerobics, Pilates, flexibility and yoga, circuits, aerobics activity.

LIFETIME FITNESS - WINTER (Lifetime Fitness - Winter - 9310)

Prerequisite: Physical Education 9

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 10-12

Credit: 0.5

These lifetime activities can be enjoyed for years and years to come. Cross Country skiing, snow shoeing, broomball are popular winter activities. Pickleball, yoga/Pilates, bowling, and volleyball will round out this trimester winter course.

LIFETIME SPORTS - FALL OR SPRING (Lifetime Sports - 9315)

Prerequisite: Physical Education 9

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 10-12

Credit: 0.5

These lifetime activities can be enjoyed for years and years to come. Biking, bowling, fitness walking, tennis, disc golf and golf.

PHYSICAL EDUCATION/HEALTH

NET GAMES (Net Games - 9325) (Formally Racquet Sports)

Prerequisite: Physical Education 9

Course Fee: None

Grade Level: 10-12

Course Detail: 1 Trimester

Credit: 0.5

If you enjoy pairing up as a duo to play tennis, badminton, pickleball, soft tennis or you enjoy small team racquet sports such as eclipse ball or Lacrosse that is the class for you! Take your previous knowledge of these court games and get your heart rate up in some competitive matches.

PERSONAL HEALTH & WELLNESS CAPP (Personal Health/Fitness CAPP - 9320) ***Not in lieu of Freshman PE**

Prerequisite: None

Course Fee: Tuition Optional

Grade Level: 9-12

Course Detail: 1 Trimester

Credit: 0.5

This elective credit course includes units in fitness workouts, yoga, and Pilates. Instruction in the techniques of CPR, AED, and First Aid are a part of this course. In addition, a variety of wellness topics will be researched and presented. This course also includes a CAPP option for the American Red Cross CPR-AED-First Aid course through UW-Oshkosh. The cost for the 3 credit class is approx. \$300. UW-Oshkosh determines the tuition cost in August.

TEAM SPORTS (Team Sports - 9330)

Prerequisite: Physical Education 9

Course Fee: None

Grade Level: 10-12

Course Detail: 1 Trimester

Credit: 0.5

This action packed course is based on quality competition in a team setting. Softball, football, floor hockey, basketball, indoor/outdoor soccer, ultimate Frisbee, eclipse ball, and volleyball. Teams are set the first week, techniques and strategies practiced from previous knowledge, and then scores and standings are kept through the trimester.

UNIFIED STRENGTH 1 (Fall Trimester), 2 (Winter Trimester), 3 (Spring Trimester)

(Unified Strength 1 - 9192; Unified Strength 2 - 9193, Unified Strength 3 - 9196)

EB UNIFIED STRENGTH 1 (Fall Trimester), 2 (Winter Trimester), 3 (Spring Trimester)

(EB Unified Strength 1 - 9194, EB Unified Strength 2 - 9197, EB Unified Strength 3 - 9198)

***Not in lieu of Freshman PE**

Prerequisite: None

Course Fee: None

Grade Level: 9-12

Course Detail: 1 Trimester

Credit: 0.5

This is a physical education offered elective that can be used for an elective credit or one of your sophomore, junior, or senior ½ PE credits required to graduate. The course is designed to build core strength, endurance, flexibility, and explosive athletic movements. The course is broken down into hypertrophy phase, strength phase, and power phase. All students will learn proper lifting fundamentals, weight room safety, improved speed and running form. This course can be taken for 12 straight trimesters throughout your high school career. Early Bird Option: This class will allow freshman students to take more classes during the school day. Early Bird class will meet daily for one trimester (60 days) from 6:30 a.m. - 7:40 a.m.

PHYSICAL EDUCATION/HEALTH

SPORTS AND SOCIETY (Sports & Society – e6005 & e9225) (Online) *Register for both course numbers

Prerequisite: None

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 10-12

Credit: 1 credit

*Sports play a giant role in contemporary society worldwide. However, few of us pause to think about the larger questions of money, politics, race, culture, and commercialization that surround sports everywhere. This course draws on the tools of anthropology, sociology, history, and other disciplines to give you new perspectives on the games we watch and play. We will focus on both popular sports like soccer, basketball, and baseball, and also lesser-known ones like mountain climbing and fishing. You will never watch or think about sports in the same way again. Students concurrently enroll in online modules through a MOOC offered by Duke University while participating in high school athletics at either the junior varsity or varsity levels. Restrictions apply. *Combines ½ credit in graduation requirements toward PE for school sanctioned athletic participation and ½ credit toward graduation under the Electives requirement.*

SCHOOL TO CAREER

SCHOOL TO CAREER (School Career Tri 1 - 9520; School Career Tri 2 - 9521; School Career Tri 3 - 9522)

Prerequisite: Employed and have taken two classes related to employment Course Detail: 1 Trimester

Course Fee: None

Grade Level: 11-12

Credit: 0.5

The School to Career Program has two pathways – Cooperative Skills and/or Youth Apprenticeship.

Qualifications needed to participate in the program: complete the School to Career Program application before you are put into a specific pathway, have a job prior to the start of the trimester they are enrolled, work in average of 10-15 hours per week, and have taken or are enrolled in two classes related to their employment.

To maintain School to Career experience, students must have all their grades at a C- or higher, 95% attendance, and no referrals. If students are interested, they can register for School to Career for all or any trimester(s) during course selection via Skyward. [Click on this link](#) or contact the School to Career Coordinator, Ms. Tarpey in S225, for an application form. Final enrollment will be dependent on employment and meeting qualifications. For examples on different types of Cooperative Skill and Youth Apprenticeship Programs and how to qualify, [click here](#).

Do you want a job?

Do you have a Job?

Do you want early release to go to work?

Join the School-to-Career program!

SCIENCE

Course Name	Course Number	9	10	11	12	Prerequisite	Course Fee
AP Biology 1 & 2*	2130/2135			X	X	X	
AP Biology Prep*	2138			X	X	X	
AP Chemistry 1 & 2	2170/2175			X	X	X	
AP Chemistry Prep	2178			X	X	X	
AP Environmental Science 1 & 2	2281/2282			X	X	X	
AP Environmental Science Prep	2283			X	X	X	
AP Physics I: Algebra Based 1 & 2	2220/2225			X	X	X	
AP Physics I: Algebra Based Prep	2226			X	X	X	
Biology 1 & 2	2020/2040	X					
Chemistry 1 & 2	2140/2150		X	X	X	X	
Earth Science	2275			X	X	X	
Environmental Science	2280			X	X	X	
General Physics CAPP 1 & 2*	2200/2205			X	X	X	X
Genetics*	2250			X	X	X	
Honors Biology 1 & 2	2010/2015	X					
Honors Chemistry 1 & 2	2155/2156		X	X	X	X	
Honors Physics 1 & 2*	2195/2196		X	X	X	X	
Integrated Chemistry	2000		X	X	X		
Integrated Physics	2001		X	X	X		
Microbiology	2080			X	X	X	
Physics 1 & 2	2180/2190		X	X	X	X	
PLTW: Biomedical Innovation 1 & 2	2097/2098				X	X	
PLTW: Human Body Systems 1 & 2	2120/2125		X	X	X	X	
PLTW: Medical Intervention 1 & 2	2090/2095			X	X	X	
PLTW: Principal of Biomedical Science 1 & 2	2110/2115	X	X	X	X		
<i>Anatomy & Physiology 1 & 2 (Online)</i>	<i>e2295/e2296</i>			X	X	X	
<i>Astronomy: Exploring the Universe 1 & 2 (Online)</i>	<i>e2300/e2303</i>			X	X		
<i>Forensic Science 1 & 2 (Online)</i>	<i>e2305/e2306</i>			X	X		
<i>Marine Science 1 & 2 (Online)</i>	<i>e2310/e2311</i>			X	X		

*Not offered in 2022-2023

Three credits are required for Graduation: 1 credit Biology, 1 credit Physical Science, and 1 credit Elective

Physical Science courses are: Integrated Chemistry/Physics, Chemistry, and Honor Chemistry

Biology courses are: Biology, Honors Biology, PLTW: Principals of Biomedical Science

SCIENCE

AP BIOLOGY 1 & 2 (AP Biology 1 - 2130; AP Biology 2 - 2135) ***Not offered in 2022-2023**

Prerequisite: Biology & Chemistry

Course Detail: 2 Trimesters

Course Fee: None

Grade Level: 11-12

Credit: 1

This two trimester course is offered as a second year of biology allowing students to experience the pace and rigor of college-level science instruction. Topics covered will include chemistry of life, cell structure and function, cellular energetics, cell communication/cell cycle, heredity, gene expression/regulation, natural selection, and ecology. Extensive laboratory work is involved and will require out of class time. Completion of this course will prepare students to take the AP Biology exam. Dissections will be a required part of this course. (NOTE: The cost of the AP Exam is approx. \$96.00 for each student who chooses to take the exam.)

AP BIOLOGY PREP (AP Biology Prep - 2138) ***Not offered in 2022-2023**

Prerequisite: AP Biology 1 & 2

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 11-12

Credit: 0.5

AP Prep courses are extensions of the regular AP coursework and are intended to further prepare students for the AP examination process. Students will review major course concepts and address topics in greater detail in situations where the pacing of the course did not afford the opportunity. Students will also continue to work on practice tests and activities to prepare for the rigors of the AP Exam. When the AP Exams have concluded, students will be engaged in content area projects where they will further synthesize course concepts.

AP CHEMISTRY 1 & 2 (AP Chemistry 1 - 2170; AP Chemistry 2 - 2175)

Prerequisite: Chemistry - grade A/Honors Chemistry - grade B or higher

Course Detail: 2 Trimester

Course Fee: None

Grade Level: 11-12

Credit: 1

This two trimester course is offered as a second year of chemistry allowing students to experience the pace and rigor of college-level science instruction. Topics covered will include the structure of matter (atomic theory, bonding, and nuclear chemistry), states of matter (gases, liquids and solids, and solutions), and reactions (reaction types, stoichiometry, equilibrium, kinetics and thermodynamics). Extensive laboratory work is involved. Completion of this course will prepare students to take the AP Chemistry exam. (NOTE: The cost of the AP Exam is approx. \$96.00 for each student who chooses to take the exam.)

AP CHEMISTRY PREP (AP Chemistry Prep - 2178)

Prerequisite: AP Chemistry 1 & 2

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 11-12

Credit: 0.5

AP Prep courses are extensions of the regular AP coursework and are intended to further prepare students for the AP examination process. Students will review major course concepts and address topics in greater detail in situations where the pacing of the course did not afford the opportunity. Students will also continue to work on practice tests and activities to prepare for the rigors of the AP Exam. When the AP Exams have concluded, students will be engaged in content area projects where they will further synthesize course concepts. This course is highly recommended for all AP Chemistry students.

SCIENCE

AP ENVIRONMENTAL SCIENCE 1 & 2 (AP Envir Sci 1 - 2281; AP Envir Sci 2 - 2282)

Prerequisite: Biology/Hon Biology & Chemistry/Hon Chemistry

Course Detail: 2 Trimesters

Course Fee: None

Grade Level: 11-12

Credit: 1

The AP Environmental Science course is designed to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. Students will identify and analyze environmental problems, both natural and human-made, to evaluate the risks associated with these issues. Students will also examine alternative solutions for resolving or preventing these environmental problems. Learning will take place through in-class instruction, numerous hands-on lab experiments, and multiple out-of-class experiences. This interdisciplinary course is designed to be equivalent of a one-semester, introductory college course in environmental science. (NOTE: The cost of the AP Exam is approx. \$96.00 for each student who chooses to take the exam.)

AP ENVIRONMENTAL SCIENCE PREP (AP Envir Sci Prep - 2283)

Prerequisite: AP Environmental Science 1 & 2

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 11-12

Credit: 0.5

AP Prep courses are extensions of the regular AP coursework and are intended to further prepare students for the AP examination process. Students will review major course concepts and address topics in greater detail in situations where the pacing of the course did not afford the opportunity. Students will also continue to work on practice tests and activities to prepare for the rigors of the AP Exam. When the AP Exams have concluded, students will be engaged in content area projects where they will further synthesize course concepts.

AP PHYSICS I: ALGEBRA BASED 1 & 2 (AP Physics I: 1 - 2220; AP Physics I: 2 - 2225)

Prerequisite: Geometry 1 & 2

Course Detail: 2 Trimesters

Course Fee: None

Grade Level: 11-12

Credit: 1

AP Physics I: Algebra Based is a two trimester course that is the equivalent of a first semester, introductory college course in algebra based physics. Learn about the foundational principles of physics as you explore Newtonian mechanics; work, energy, and power; mechanical waves and sounds; and introductory, simple circuits. You'll do hands-on laboratory work to investigate phenomena. (NOTE: The cost of the AP Exam is approx. \$96.00 for each student who chooses to take the exam.)

AP PHYSICS I: ALGEBRA BASED PREP (AP Physics I Prep - 2226)

Prerequisite: AP Physics 1 & 2

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 11-12

Credit: 0.5

AP Prep courses are extensions of the regular AP coursework and are intended to further prepare students for the AP examination process. Students will review major course concepts and address topics in greater detail in situations where the pacing of the course did not afford the opportunity. Students will also continue to work on practice tests and activities to prepare for the rigors of the AP Exam. When the AP Exams have concluded, students will be engaged in content area projects where they will further synthesize course concepts. *For 2022-2023 only: Students who took Honors Physics last year (21-22) can take this prep course if they want to take the AP Physics test.*

SCIENCE

BIOLOGY 1 & 2 (Biology 1 - 2020; Biology 2 - 2040)

Prerequisite: None

Course Fee: None

Grade Level: 9

Course Detail: 2 Trimesters

Credit: 1

This two-trimester course may be taken by any 9-12 grade student to fulfill their biology graduation requirement and lab science requirement for college entrance. Concepts are developed through lecture, discussion, media, class activities and labs. Topics covered include scientific method, ecology, cellular organization, population biology, genetics, evolution, and organisms. Dissections will be done in this class.

CHEMISTRY 1 & 2 (Chemistry 1 - 2140; Chemistry 2 - 2150)

Prerequisite: Algebra - Grade of C- or higher

Course Fee: None

Grade Level: 10-11

Course Detail: 2 Trimesters

Credit: 1

This course requires a strong background in both math and science. Chemistry concepts require mathematical problem solving, so students must have a thorough understanding of ratios, percents, exponents, and algebra prior to taking the course. Chemistry is a discussion of the structure and behavior of matter. Topics include the atomic theory, chemical bonding, chemical reactions, nuclear chemistry, solutions, acids and bases, and organic chemistry. Material is covered using a lecture/lab approach. Students will also complete several self-directed lab projects. Chemistry fulfills the physical science requirement for graduation as well as college entrance. *Students must pass Chemistry 1 to enroll in Chemistry 2.

EARTH SCIENCE (Earth Science - 2275)

Prerequisite: Biology or Integrated Physics or Chemistry

Course Fee: None

Grade Level: 11-12

Course Detail: 1 Trimester

Credit: 0.5

This is a trimester course designed to cover topics of interest in the field of the earth sciences. Topics include mineralogy and petrology (the study of rocks), changes to Earth's surface over time (glaciation, erosion, etc.), cosmology, and plate tectonics. Every effort will be made to correlate the concepts to features present in Wisconsin.

ENVIRONMENTAL SCIENCE (Environmental Science - 2280)

Prerequisite: Biology & Chemistry or Integrated Chemistry

Course Fee: None

Grade Level: 11-12

Course Detail: 1 Trimester

Credit: 0.5

The goal of the Environmental Science class is to provide students with scientific principles, concepts and methodologies required to understand the interrelationships of the natural world. Students will identify and analyze nature and human-made environmental problems and will examine alternative solutions for resolving and/or preventing such environmental issues. Students will be required to complete out of class readings and research to supplement the materials covered in class. Emphasis is placed on a comprehensive approach to environmental science using case studies, laboratory exercises, and environmental monitoring to reinforce scientific principles.

SCIENCE

GENERAL PHYSICS CAPP 1 & 2 (CAPP Physics 1 - 2200; CAPP Physics 2 - 2205) ***Not Offered in 2022-2023**

Prerequisite: Physics or Honors Physics 1 & 2

Course Detail: 2 Trimesters

Course Fee: Tuition

Grade Level: 11-12

Credit: 1

This course is offered as a second year of physics allowing students to experience the pace and rigor of college-level science instruction. Treatment of the content is done at a higher level of abstraction, and more emphasis is placed on numerical/algebraic problem solving than during Physics 1 & 2. General topics include Newtonian mechanics, thermal physics, electricity and magnetism, and waves and optics. Students enrolled are eligible for 5 college credits if they meet certain requirements. This course is offered through the University of Wisconsin - Oshkosh. The cost for the 5 credit class is approx. \$500. UW-Oshkosh determines the tuition cost in August.

GENETICS (Genetics - 2250) ***Not Offered in 2022-2023**

Prerequisite: Biology & Chemistry/Integrated Chemistry

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 11-12

Credit: 0.5

This class will serve as an introductory and enrichment course for students seeking an extra trimester of science. Course study will focus on areas such as Mendelian genetics, structure and function of DNA, protein synthesis and real world applications of genetics, including Biotechnology and Forensics.

HONORS BIOLOGY 1 & 2 (Honors Biology 1 - 2010; Honors Biology 2 - 2015)

Prerequisite: None

Course Detail: 2 Trimesters

Course Fee: None

Grade Level: 9

Credit: 1

Honors Biology is a two trimester introductory course in biology that covers the topics of cell biology, genetics, ecology, and biological diversity. Encountered in the study of these topics are the themes of evolution, homeostasis, flow of energy, the levels of organization, and the structure and function of living things. This course requires strong reading and writing skills. Students are expected to work on materials outside of class. Dissections will be done during Honors Biology 2.

HONORS CHEMISTRY 1 & 2 (Honors Chemistry 1 - 2155; Honors Chemistry 2 - 2156)

Prerequisite: Teacher Recommendation

Course Detail: 2 Trimesters

Course Fee: None

Grade Level: 10-12

Credit: 1

This course requires a strong background in both math and science. Chemistry concepts require mathematical problem solving, so students must have a thorough understanding of ratios, percents, exponents, and algebra prior to taking the course. Chemistry is a discussion of the structure and behavior of matter. Topics include the atomic theory, chemical bonding, chemical reactions, nuclear chemistry, solutions, acids and bases, and organic chemistry. Material is covered using a lecture/lab approach. Students will also complete several self-directed lab projects. Honors Chemistry fulfills the physical science requirement for graduation as well as college entrance.

SCIENCE

HONORS PHYSICS 1 & 2 (Honors Physics 1 - 2195; Honors Physics 2 - 2196) ***Not offered in 2022-2023**

Prerequisite: Algebra & Geometry

Course Detail: 2 Trimesters

Course Fee: None

Grade Level: 10-12

Credit: 1

Honors physics is a course that deals with matter and energy in the study of forces, motion, light, sound, and electricity. Emphasis is placed on developing an understanding of scientific methodologies and their use in developing mathematical models to represent the physical world. Emphasis is placed on algebraic solutions to problems. The pace and scope of Honors Physics 1 & 2 and its attention to more advanced algebra and trig-based problem solving is what separates it from Physics 1 & 2.

INTEGRATED CHEMISTRY (Integrated Chemistry - 2000)

Prerequisite: None

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 10-12

Credit: 0.5

This two-trimester course (Integrated Chemistry & Integrated Physics) presents principles and concepts of physical and earth science. Students must register for both Integrated Chemistry (2000) and Integrated Physics (2001). Topics covered in Integrated Chemistry include the scientific method, structure of matter, chemical reactions, radioactivity, and cosmology.

INTEGRATED PHYSICS (Integrated Physics - 2001)

Prerequisite: None

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 10-12

Credit: 0.5

This two-trimester course (Integrated Chemistry & Integrated Physics) presents principles and concepts of physical and earth science. Students must register for both Integrated Chemistry (2000) and Integrated Physics (2001). Topics covered in Integrated Physics include the scientific method, force and motion, energy, work and power, electricity, light, energy resources, sound, layers of the earth, and space science.

MICROBIOLOGY (Microbiology - 2080)

Prerequisite: Biology: grade C or higher; Chemistry recommended

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 11-12

Credit: 0.5

This course will serve as an introductory and enrichment course for students seeking an extra trimester of science. Course study will focus on microorganisms, including cell chemistry, cellular structures and functions, and cell genetics. Microbes such as bacteria, viruses and fungi will be studied. Microbes, as they relate to human diseases, will be explored.

PHYSICS 1 & 2 (Physics 1 - 2180; Physics 2 - 2190)

Prerequisite: Algebra or Geometry

Course Detail: 2 Trimesters

Course Fee: None

Grade Level: 10-12

Credit: 1

Physics is a course that deals with matter and energy in the study of forces, motion, light, sound, and electricity. Emphasis is placed on developing an understanding of scientific methodologies and their use in developing mathematical and conceptual models to represent the physical world. This course makes use of algebraic models to understand the physical concepts.

SCIENCE

PHYSICS 1 & 2 (Physics 1 - 2180; Physics 2 - 2190)

Prerequisite: Algebra or Geometry

Course Fee: None

Grade Level: 10-12

Course Detail: 2 Trimesters

Credit: 1

Physics is a course that deals with matter and energy in the study of forces, motion, light, sound, and electricity. Emphasis is placed on developing an understanding of scientific methodologies and their use in developing mathematical and conceptual models to represent the physical world. This course makes use of algebraic models to understand the physical concepts.

PLTW: BIOMEDICAL INNOVATION 1 (PLTW: Biomed Inn 1 - 2097)

PLTW: BIOMEDICAL INNOVATION 2 (PLTW: Biomed Inn 2 - 2098)

Prerequisite: PLTW: Medical Intervention with C or higher

Course Fee: None

Grade Level: 12

Course Detail: 2 Trimesters

Credit: 1

In the final course of the PLTW Biomedical Science sequence, students build on the knowledge and skills gained from previous courses to design innovative solutions for the most pressing health challenges of the 21st century. Students address topics ranging from public health and biomedical engineering to clinical medicine and physiology. They may have the opportunity to work on an independent project with a mentor or advisor from a university, medical facility, or research institution.

PLTW: HUMAN BODY SYSTEMS 1 (PLTW: Human Body Systems 1 - 2120)

PLTW: HUMAN BODY SYSTEMS 2 (PLTW: Human Body Systems 2 - 2125)

Prerequisite: Biology/Hon Biology/PTLW: PBS – grade C or higher

Course Fee: None

Grade Level: 10-12

Course Detail: 2 Trimesters

Credit: 1

Exploring science in action, students build organs and tissues on a skeletal Maniken®; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases. Students will also learn anatomy and physiology through units such as identity, power, communication, movement, and protection. College credit may be awarded by Milwaukee School of Engineering based on end of year exam and credit application.

PLTW: MEDICAL INTERVENTION 1 (PLTW: Medical Interv 1 - 2090)

PLTW: MEDICAL INTERVENTION 2 (PLTW: Medical Interv 2 - 2095)

Prerequisite: Biology and Chemistry with a grade of C or higher

Course Fee: None

Grade Level: 11-12

Course Detail: 2 Trimesters

Credit: 1

Students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection, screen and evaluate the code in human DNA, evaluate cancer treatment options, and prevail when organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. College credit may be awarded by Milwaukee School of Engineering based on end of year exam and credit application.

SCIENCE

PLTW: PRINCIPLES OF BIOMEDICAL SCIENCE 1 (PLTW: Principles of Biomed 1 - 2110)

PLTW: PRINCIPLES OF BIOMEDICAL SCIENCE 2 (PLTW: Principles of Biomed 2 - 2115)

Prerequisite: None

Course Detail: 2 Trimesters

Course Fee: None

Grade Level: 9-12

Credit: 1

Principles of Biomedical Science is a two-trimester high school course in the PLTW Biomedical Science program designed for students thinking of a career in science/healthcare. This course serves to provide foundational knowledge and skills in fields such as biology, anatomy and physiology, genetics, microbiology, and epidemiology, as well as engage students in how they can apply this content to real world situations, cases, and problems such as solving a medical mystery case, diagnosing and treating a patient, or responding to a medical outbreak. College credit may be awarded by Milwaukee School of Engineering based on end of year exam and credit application. The successful completion of this course will be count as the Biology credit for graduation requirements.

ANATOMY & PHYSIOLOGY 1 & 2 (A & P 1 - e2295; A & P 2 - e2296) (Online)

Prerequisite: Biology - Grade C or higher

Course Detail: 2 Trimesters

Course Fee: None

Grade Level: 11-12

Credit: 1

In this course, students explore the organization of the human body and how it works. They will acquire knowledge necessary to understand what the body is doing and how they can help the body cope with many different situations. Body systems will be studied in order to understand how their structure, location, and function allow for interaction with other parts of the body.

ASTRONOMY: EXPLORING THE UNIVERSE 1 (Astronomy - e2300) (Online)

Prerequisite: None

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 11-12

Credit: 0.5

Follow your enthusiasm for space by introducing yourself to the study of astronomy. This course will include topics such as astronomy's history and development, basic scientific laws of motion and gravity, the concepts of modern astronomy, and the methods used by astronomers to learn more about the universe. Further knowledge is gained through the study of galaxies, stars, and the origin of the universe.

ASTRONOMY: EXPLORING THE UNIVERSE 2 (Astronomy – e2303) (Online)

Prerequisite: None

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 11-12

Credit: 0.5

Dive deeper into the universe and develop a lifelong passion for space exploration and investigation. Become familiar with the inner and outer planets of the solar system as well as the sun, comets, asteroids, and meteors. Additional topics include space travel and settlements as well as the formation of planets.

SCIENCE

FORENSIC SCIENCE 1 & 2 (Forensic Science 1 - e2305; Forensic Science 2 - e2306) (Online)

Prerequisite: None

Course Detail: 2 Trimesters

Course Fee: None

Grade Level: 11-12

Credit: 1

Fingerprints. Blood spatter. DNA analysis. The world of law enforcement is increasingly making use of the techniques and knowledge from the sciences to better understand the crimes that are committed and to catch those individuals responsible for the crimes. Forensic science applies scientific knowledge to the criminal justice system. This course focuses on some of the techniques and practices used by forensic scientists during a crime scene investigation (CSI). Starting with how clues and data are recorded and preserved, the student will follow evidence trails until the CSI goes to trial, examining how various elements of the crime scene are analyzed and processed.

MARINE SCIENCE 1 & 2 (Marine Science 1 - e2310; Marine Science 2 - e2311) (Online)

Prerequisite: None

Course Detail: 2 Trimesters

Course Fee: None

Grade Level: 11-12

Credit: 1

As our amazing planet continues to change over time, it becomes increasingly apparent how human activity has made environmental impacts. In the marine science course, students will delve deep into Earth's bodies of water and study geologic structures and how they impact the oceans. Students will investigate characteristics of various populations, patterns of distribution of life in our aquatic systems, and ongoing changes occurring every day in our precious ecosystems. Students will be amazed and enlightened at just how much our oceans and lakes affect climate, weather, and seasonal variations. They will have the opportunity to explore the relationships among living organisms and see how they are affected by our oceans currents, tides, and waves. Hold on, it is one amazing journey.

SOCIAL STUDIES

Course Name	Course Number	9	10	11	12	Prerequisite	Course Fee
AP Art History 1 & 2 (See Art Dept)	6097/6098		X	X	X		
AP European History 1 & 2	4185/4195			X	X		
AP European History Prep	4198			X	X	X	
AP Human Geography 1 & 2	4050/4055	X	X				
AP Human Geography Prep	4056	X	X			X	
AP Macroeconomics	4110			X	X		
AP Macroeconomics Prep	4112			X	X	X	
AP Microeconomics	4115			X	X		
AP Microeconomics Prep	4118			X	X	X	
AP Psychology 1 & 2	4130/4131		X	X	X		
AP Psychology Prep	4134		X	X	X	X	
AP US Government & Politics 1 & 2	4010/4015			X	X		
AP US Government & Politics Prep	4016			X	X	X	
AP United States History 1 & 2	4005/4025		X	X	X		
AP United States History Prep	4028		X	X	X	X	
AP World History: Modern 1 & 2	4090/4095			X	X		
AP World History: Modern Prep	4098			X	X	X	
Economics	4100			X	X		
European History 1 & 2	4180/4190		X	X	X		
Financial Literacy/Financial Literacy (Music)	7090/7095		X	X	X		
Global Problems	4046		X	X	X		
Government & Society 1 & 2*	4030/4035			X	X		
International Relations	4170		X	X	X		
Philosophy	4135		X	X	X		
Psychology	4120		X	X	X		
Sociology 1 & 2	4140/4141			X	X		
Super Heroes & Social Issues	4145			X	X		
United States History 1 & 2	4000/4020		X	X	X		
World History 1 & 2	4080/4085	X	X				
<i>Criminology (Online)</i>	<i>e4050</i>			X	X		
<i>Media Literacy (Online)</i>	<i>e4725</i>			X	X		
<i>Mythology & Folklore (Online)</i>	<i>e4055</i>			X	X		

*Not offered in 2022-2023

Three credits of Social Studies are required for Graduation.

(US History/AP US History 1 & 2, Government/AP Government 1 & 2, and 1 credit elective)

AP EUROPEAN HISTORY 1 & 2 (AP European History 1 - 4185; AP European History 2 - 4195)

Prerequisite: None

Course Detail: 2 Trimesters

Course Fee: None

Grade Level: 11-12

Credit: 1

This course covers generally the Late Middle Ages to the Age of Absolutism, approximately 1300 A.D. - 1700 A.D. Course two covers 1700 – present. The course content and learning activities will prepare students to take the AP Exam for possible college credit. (NOTE: The cost of the AP Exam is approx. \$96.00 for each student who chooses to take the exam.)

SOCIAL STUDIES

AP EUROPEAN HISTORY PREP (AP European History Prep - 4195)

Prerequisite: AP European History 1 & 2

Course Fee: None

Grade Level: 11-12

Course Detail: 1 Trimester

Credit: 0.5

AP Prep courses are extensions of the regular AP coursework and are intended to further prepare students for the AP examination process. Students will review major course concepts and address topics in greater detail in situations where the pacing of the course did not afford the opportunity. Students will also continue to work on practice tests and activities to prepare for the rigors of the AP Exam. When the AP Exams have concluded, students will be engaged in content area projects where they will further synthesize course concepts.

AP HUMAN GEOGRAPHY 1 & 2 (AP Human Geo 1 - 4050; AP Human Geo 2 - 4055)

Prerequisite: None

Course Fee: None

Grade Level: 9-10

Course Detail: 2 Trimesters

Credit: 1

This course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socioeconomic organization and its environmental consequences. They also learn about methods and tools geographers use in their research and applications. This curriculum reflects the goals of the National Geography Standards (2012.) The course is designed to prepare students to take the AP exam for college credit and has no prerequisites. (NOTE: The cost of the AP Exam is approx. \$96.00 for each student who chooses to take the exam.)

AP HUMAN GEOGRAPHY PREP (AP Human Geography - 4056)

Prerequisite: AP Human Geography 1 & 2

Course Fee: None

Grade Level: 9-10

Course Detail: 1 Trimester

Credit: 0.5

AP Prep courses are extensions of the regular AP coursework and are intended to further prepare students for the AP examination process. Students will review major course concepts and address topics in greater detail in situations where the pacing of the course did not afford the opportunity. Students will also continue to work on practice tests and activities to prepare for the rigors of the AP Exam. When the AP Exams have concluded, students will be engaged in content area projects where they will further synthesize course concepts.

AP MACROECONOMICS (AP Macroeconomics - 4110)

Prerequisite: None

Course Fee: None

Grade Level: 11-12

Course Detail: 1 Trimester

Credit: 0.5

AP Macroeconomics is a college-level course that introduces students to the principles that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination. It also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. The course is designed to prepare students to take the AP exam for college credit and has no prerequisites. (NOTE: The cost of the AP Exam is approx. \$96.00 for each student who chooses to take the exam.)

SOCIAL STUDIES

AP MACROECONOMICS PREP (AP Macroeconomics Prep - 4112)

Prerequisite: AP Macroeconomics

Course Fee: None

Grade Level: 11-12

Course Detail: 1 Trimester

Credit: 0.5

AP Prep courses are extensions of the regular AP coursework and are intended to further prepare students for the AP examination process. Students will review major course concepts and address topics in greater detail in situations where the pacing of the course did not afford the opportunity. Students will also continue to work on practice tests and activities to prepare for the rigors of the AP Exam. When the AP Exams have concluded, students will be engaged in content area projects where they will further synthesize course concepts.

AP MICROECONOMICS (AP Microeconomics - 4115)

Prerequisite: None

Course Fee: None

Grade Level: 11-12

Course Detail: 1 Trimester

Credit: 0.5

AP Microeconomics is a college-level course that introduces students to the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students' familiarity with the operation of product and factor markets, distribution of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. The course is designed to prepare students to take the AP exam for college credit and has no prerequisites. (NOTE: The cost of the AP Exam is approx. \$96.00 for each student who chooses to take the exam.)

AP MICROECONOMICS PREP (AP Microeconomics Prep - 4118)

Prerequisite: AP Microeconomics

Course Fee: None

Grade Level: 11-12

Course Detail: 1 Trimester

Credit: 0.5

AP Prep courses are extensions of the regular AP coursework and are intended to further prepare students for the AP examination process. Students will review major course concepts and address topics in greater detail in situations where the pacing of the course did not afford the opportunity. Students will also continue to work on practice tests and activities to prepare for the rigors of the AP Exam. When the AP Exams have concluded, students will be engaged in content area projects where they will further synthesize course concepts.

AP PSYCHOLOGY 1 & 2 (AP Psychology 1 - 4130; AP Psychology 2 - 4131)

Prerequisite: None

Course Fee: None

Grade Level: 10-12

Course Detail: 2 Trimesters

Credit: 1

This is an in-depth study of behavior and mental processes, its theories, models, and frameworks of analysis. The class will emphasize writing and analytical skills. It will also provide first-hand experience in the application of psychological principles. The course content and learning activities will prepare students to take the AP Exam for possible college credit. (NOTE: The cost of the AP Exam is approx. \$96.00)

SOCIAL STUDIES

AP PSYCHOLOGY PREP (AP Psychology Prep - 4134)

Prerequisite: AP Psychology 1 & 2

Course Fee: None

Grade Level: 10-12

Course Detail: 1 Trimester

Credit: 0.5

AP Prep courses are extensions of the regular AP coursework and are intended to further prepare students for the AP examination process. Students will review major course concepts and address topics in greater detail in situations where the pacing of the course did not afford the opportunity. Students will also continue to work on practice tests and activities to prepare for the rigors of the AP Exam. When the AP Exams have concluded, students will be engaged in content area projects where they will further synthesize course concepts.

AP UNITED STATES GOVERNMENT & POLITICS 1 & 2 (AP US Govt 1 – 4010; AP US Govt 2 - 4015)

Prerequisite: None

Course Fee: None

Grade Level: 11-12

Course Detail: 2 Trimesters

Credit: 1

AP US Government and Politics provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will study US foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behavior. They will also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments. In addition, they will complete a political science research or applied civics project. The course is designed to prepare students to take the AP exam for college credit and has no prerequisites. (NOTE: The cost of the AP Exam is approx. \$96.00 for each student who chooses to take the exam.)

AP UNITES STATES GOVERNMENT & POLITICS PREP (AP US Govt Prep - 4016)

Prerequisite: AP US Government & Politics

Course Fee: None

Grade Level: 11-12

Course Detail: 1 Trimester

Credit: 0.5

AP Prep courses are extensions of the regular AP coursework and are intended to further prepare students for the AP examination process. Students will review major course concepts and address topics in greater detail in situations where the pacing of the course did not afford the opportunity. Students will also continue to work on practice tests and activities to prepare for the rigors of the AP Exam. When the AP Exams have concluded, students will be engaged in content area projects where they will further synthesize course concepts.

AP UNITED STATES HISTORY 1 & 2 (AP US History 1 - 4005; AP US History 2 - 4025)

Prerequisite: None

Course Fee: None

Grade Level: 10-12

Course Detail: 2 Trimesters

Credit: 0.5

This accelerated course is designed to prepare students to take the AP exam for possible college credit. The topics covered are chronological from European settlement of North America all the way up to the present day. Students will learn to assess historical materials and their relevance to a given interpretive problem. The course will develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format. Reading and interest levels must be high.

*There is a summer assignment that accompanies this course, which will be distributed at the end of the current school year. (NOTE: The cost of the AP Exam is \$96.00 for each student who chooses to take the exam.)

SOCIAL STUDIES

AP UNITED STATES HISTORY PREP (AP US History Prep - 4028)

Prerequisite: AP United States History 1 & 2

Course Fee: None

Grade Level: 10-12

Course Detail: 1 Trimester

Credit: 0.5

AP Prep courses are extensions of the regular AP coursework and are intended to further prepare students for the AP examination process. Students will review major course concepts and address topics in greater detail in situations where the pacing of the course did not afford the opportunity. Students will also continue to work on practice tests and activities to prepare for the rigors of the AP Exam. When the AP Exams have concluded, students will be engaged in content area projects where they will further synthesize course concepts.

AP WORLD HISTORY: MODERN 1 & 2 (AP World Hist: Modern 1 - 4090; AP World Hist: Modern 2 - 4095)

Prerequisite: None

Course Fee: None

Grade Level: 11-12

Course Detail: 2 Trimesters

Credit: 1

In AP World History: Modern, students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation. (NOTE: The cost of the AP Exam is approx. \$96.00 for each student who chooses to take the exam.)

AP WORLD HISTORY: MODERN PREP (AP World Hist Modern Prep - 4098)

Prerequisite: AP World History: Modern 1 & 2

Course Fee: None

Grade Level: 11-12

Course Detail: 1 Trimester

Credit: 0.5

AP Prep courses are extensions of the regular AP coursework and are intended to further prepare students for the AP exam process. Students will review major course concepts and address topics in greater detail in situations where the pacing of the course did not afford the opportunity. Students will also continue to work on practice tests and activities to prepare for the rigors of the AP Exam. When the AP Exams have concluded, students will be engaged in content area projects where they will further synthesize course concepts.

ECONOMICS (Economics - 4100)

Prerequisite: None

Course Fee: None

Grade Level: 11-12

Course Detail: 1 Trimester

Credit: 0.5

The focus for this course is on the basic principles concerning production, consumption, and distribution of goods and services (the problem of scarcity) in the United States and a comparison with those in other countries around the world. Students analyze the interaction of supply, demand, and price. Students will investigate the concepts of specialization and international trade, economic growth, key economic measurements, and monetary and fiscal policy. Students will study the roles of the Federal Reserve System and other financial institutions, government, and businesses in a free enterprise system. Types of business ownership and market structures are discussed. The course also incorporates instruction in personal financial literacy. Students apply critical-thinking skills using economic concepts to evaluate the costs and benefits of economic issues.

SOCIAL STUDIES

EUROPEAN HISTORY 1 & 2 (European History 1 - 4180; European History 2 - 4190)

Prerequisite: None

Course Detail: 2 Trimesters

Course Fee: None

Grade Level: 10-12

Credit: 1

This course is a survey of the early history of man from approximately 2000 B.C. - 1550 A.D., focusing on European development. Topics included are Ancient Greece and Rome, Middle Ages, Renaissance Reformation and exploration. Course two will cover a survey of European History from 1550 A.D. - Present. Topics included are The Enlightenment, The Era of Revolutions, World Wars, and Cold War. Students will be required to participate in a variety of assignments and learning activities including: historical simulations, class discussions and debates, lectures, and examination of art and literature from the different eras.

FINANCIAL LITERACY (Financial Lit - 7090; Financial Lit (Music) - 7095)

Prerequisite: None

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 10-12

Credit: 0.5

*Financial Literacy (Music) will receive 0.5 credit at the end of Trimester 3.

This course is designed to introduce the students to basic financial literacy skills to help them make responsible financial decisions. Concepts covered include bank checking and saving accounts, credit and loans, wages and taxes, investments, insurance, and budgeting. Students will gain the information and skills to implement a life-long plan for financial success.

GLOBAL PROBLEMS (Global Problems - 4046)

Prerequisite: None

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 10-12

Credit: 1

The Global Problems course presents students with an exploration of both regional world geography and a variety of important issues facing people around the globe. The course begins with a brief global view and some problem identification by the students. Then we shift to a regional focus looking at different areas of the world doing some initial map work and location identification. Students will watch some general travel and wildlife movies and do some readings exposing them to some significant natural, physical, and cultural aspects of each area. However, the bulk of the course is project-based so as to have students identify and investigate different problems for each global region of study that interest them, focusing not only on historical causation but also analyzing efforts that have already been attempted to alleviate them. Students will explore global issues such as climate change, poverty, resource scarcity & management, immigration, pollution, energy, and population just to name a few.

GOVERNMENT AND SOCIETY 1 & 2 (Govern/Society 1 - 4030; Govern/Society 2 - 4035)

***Not Offered in 2022-2023 due to reconfiguration of Social Studies courses.**

Prerequisite: None

Course Detail: 2 Trimesters

Course Fee: None

Grade Level: 11-12

Credit: 1

Government & Society is a two trimester course that is not currently being offered as it is being reconfigured. It will be offered at the junior and senior grades and be required for students beginning with the class of 2026. The first trimester covers citizenship, comparative government, political parties, propaganda, and criminal justice. Second trimester covers the colonization and roots of American democracy, the Constitution, the Bill of Rights, and the legislative, executive, and legislative branches of government.

SOCIAL STUDIES

INTERNATIONAL RELATIONS (International Relations - 4170)

Prerequisite: None

Course Fee: None

Grade Level: 10-12

Course Detail: 1 Trimester

Credit: 0.5

This course will focus on U.S. international relations with nations across the globe. Units include Africa, the Middle East, world economic development, nuclear warfare and terrorism. International current events will also be discussed daily.

PHILOSOPHY (Philosophy - 4135)

Prerequisite: None

Course Fee: None

Grade Level: 10-12

Course Detail: 1 Trimester

Credit: 0.5

Introduction to Philosophy examines the basic questions every human grapples with: What is beauty? What is justice? How do I know right from wrong? How do I know what I know? What does it mean to exist? Does God exist? What is the meaning of life? In this course, we explore and analyze contemporary topics using analytic methods and metacognitive strategies. Specific attention is given to the six schools of Philosophy: logic, epistemology, metaphysics, philosophy of religion, ethics, and political philosophy. This is a college level course and emphasis is placed on the application of these strategies within the dynamic communities of college, career, and life.

PSYCHOLOGY (Psychology - 4120)

Prerequisite: None

Course Fee: None

Grade Level: 10-12

Course Detail: 1 Trimester

Credit: 0.5

Have you ever wanted to know the answer to some of these questions: What is pseudoscience? Why do teens act differently than adults? Why do people become addicted to gambling? How can I study less and remember more? Why are so many soldiers diagnosed with Post Traumatic Stress Disorder? Is hypnosis real?! These questions and many more are researched in this project-based course of behavior and mental processes with emphasis on the scientific nature of contemporary psychological investigation. Topics include research methods, the biology of behavior, sensation and perception, and memory cognition.

SOCIOLOGY 1 & 2 (Sociology 1 - 4140; Sociology 2 - 4141)

Prerequisite: None

Course Fee: None

Grade Level: 11-12

Course Detail: 2 Trimesters

Credit: 1

Sociology 1 focuses on understanding human actions and interactions and how people become who they are. After starting with basic concepts of sociology, we discuss the following topics: culture, socialization, and social interaction. Sociology 2 covers new topics but also goes into further detail on some topics discussed in Sociology 1. After a brief review of some basic concepts, we discuss the following topics: deviance, social inequality, social class in the U.S., race and ethnicity, and religions (including Judaism, Christianity, Islam, Hinduism, Buddhism, Taoism, Confucianism, Animism, and others). This is an interactive course based on participation and the completion of projects.

SOCIAL STUDIES

SUPER HEROES & SOCIAL ISSUES (Super Heroes - 4145)

Prerequisite: None

Course Fee: None

Grade Level: 11-12

Course Detail: 1 Trimester

Credit: 0.5

In this course, students will learn a brief history of comic books and their place as a sounding board for social issues. Many people are unaware that The X-Men are an allegory for the Civil Rights movement. Captain America's Civil War is a commentary on governmental power and the Patriot Act in post 9/11 America. If art is a reflection of society, then comics and related movies are a medium of social commentary. Students will read comic books, graphic novels, and watch super hero movies to learn about present and historical social issues. The final project for the course will be the creation of a comic, graphic novel, or short film using the theme of super heroes to take a stand on a pressing current social issue.

UNITED STATES HISTORY 1 & 2 (US History 1 - 4000; US History 2 - 4020)

Prerequisite: None

Course Fee: None

Grade Level: 10-12

Course Detail: 2 Trimesters

Credit: 1

This course is a survey of selected events in the 19th and early 20th century American history. Special emphasis will be given to the Jacksonian Era, territorial expansion to the Pacific Coast of both Native American and Mexican lands, how economic and ideological differences over slavery brought about the Civil War, Reconstruction, U.S. imperialism during the Gilded Age, and our involvement in WWI. Part two of this course is a survey of selected events in 20th and early 21st century American history. Special emphasis will be given to American culture and events in the 1920s and the Great Depression. The course then focuses on the emergence of the U.S. as a world power through its role in WWII and through the Cold War era and beyond. The course concludes with a look at both historical and contemporary fights for civil rights.

WORLD HISTORY 1 & 2 (World History 1 – 4080; World History 2 - 4085)

Prerequisite: None

Course Fee: None

Grade Level: 9-10

Course Detail: 2 Trimesters

Credit: 0.5

This two-trimester survey class covers major developments in World History from the end of the prehistoric era to the present. Students will be introduced to ideas, government systems, cultures, and social workings of civilizations, societies, and empires in Africa, Asia, the Americas, and Eastern Europe. Students will discover how various civilizations interacted and influenced each other through economic exchange, military conquest, and cultural assimilation. Particular emphasis is placed on students' understanding and applying geographic concepts and skills to their daily lives. In the first trimester, special focus will be given to the origin and beliefs of the major world religions. Besides content, students will learn a number of critical thinking and writing skills relevant to history as well as other disciplines. The skills that will be emphasized in this class include primary source analysis and the ability to form effective and convincing arguments orally and in writing.

SOCIAL STUDIES

CRIMINOLOGY: INSIDE THE CRIMINAL WORLD (Criminology - e4050) (Online)

Prerequisite: None

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 11-12

Credit: 0.5

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

MEDIA LITERACY (Media Literacy – e4725) (Online)

Prerequisite: None

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 11-12

Credit: 0.5

Media literacy is designed to help students develop an informed and critical understanding of the messages designed, created, and delivered by ever expanding and increasingly dominating digital mass media. Information, news, entertainment, and social networks are all part of the media literacy landscape. Students will examine, interpret, and evaluate the messages and their social, cultural, and political implications. This course exposes the student to the base complexities of media literacy, develops critical thinking skills, and provides the methods of analysis necessary to interpret and communicate about media content. Course content is maintained and accessed through the WUSD online learning platform (Buzz or Canvas).

Course Goals:

- Understand how media messages create meaning
- Identify who created a particular media message
- Recognize what the media maker wants us to believe or do
- Identify "methods of persuasion" used
- Recognize bias, spin, misinformation and falsehoods
- Discover the part of the story that's not being told
- Evaluate media messages based on our own experiences, beliefs and values
- Create and distribute our own media messages
- Become advocates for change in our media system
- Become proficient at searching for credible sources to meet information needs

MYTHOLOGY AND FOLKLORE: LEGENDARY TALES (Mythology & Folklore - e4055) (Online)

Prerequisite: None

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 11-12

Credit: 0.5

Mighty heroes. Angry gods and goddesses. Cunning animals. Mythology and folklore have been used since the first people gathered around the fire as a way to make sense of humankind and our world. This course focuses on the many myths and legends woven into cultures around the world. Starting with an overview of mythology and the many kinds of folklore, the student will journey with ancient heroes as they slay dragons and outwit the gods, follow fearless warrior women into battle and watch as clever animals outwit those stronger than themselves. They will explore the universality and social significance of myths and folklore, and see how they are still used to shape society today.

TECHNOLOGY & ENGINEERING

Course Name	Course Number	9	10	11	12	Prerequisite	Course Fee
Design Pathways:							
Graphic Arts Technology 1: Intro	8560	X	X	X	X		
Graphic Arts Technology 2: Printing	8575		X	X	X	X	
Graphic Arts Technology 3: Production	8576		X	X	X	X	
Video Broadcasting News	8577	X	X	X	X		
Video Production	8578	X	X	X	X	X	
Service Pathways:							
Advanced Construction 1 & 2	8650/8651			X	X	X	X
Automotive Technology 1 & 2 (Night)	8965/8975			X	X		
Geometry in Construction 1: Geom	3250	X	X	X	X	X	X
Geometry in Construction 2: Geom	3255	X	X	X	X	X	X
Geometry in Construction 3: Constr	8640	X	X	X	X	X	X
Home Maintenance	8567	X	X	X	X		X
Transportation, Small Gas Engines	8562	X	X	X	X		X
Production Pathways:							
CNC Mill: Basic Operator (Night)	8825		X	X	X		
CNC Mill: Basic Programmer (Night)	8827		X	X	X		
Intro to CAD: Robotics	8820	X	X	X	X		
Machine Tool 1: Intro	8830		X	X	X		X
Machine Tool 2: CNC	8831		X	X	X	X	X
Machine Tool 3: BattleBots	8832		X	X	X	X	X
Metal Fabrication	8835		X	X	X	X	X
Welding 1	8840		X	X	X		X
Welding 2 – SMAW	8841			X	X	X	X
Welding 2 – GMAW	8842			X	X	X	X
Woods 1: Introduction	8580		X	X	X		X
Woods 2: Design	8600		X	X	X	X	X
Woods 3: Furniture & Cabinets	8620		X	X	X	X	X
Engineering Pathways:							
PLTW: Computer Integ Manuf 1 & 2*	8872/8873		X	X	X	X	X
PLTW: Digital Electronics 1 & 2*	8870/8871			X	X		X
PLTW: Engineer Design & Dev 1 & 2*	8874/8875			X	X	X	X
PLTW: Intro to Engineer Design 1 & 2	8852/8853	X	X	X	X		X
PLTW: Principles of Engineering 1 & 2	8850/8851	X	X	X	X		

*Not offered in 2022-2023

ADVANCED CONSTRUCTION 1 & 2 (Advanced Construct 1 - 8650; Advanced Construct 2 - 8651)

Prerequisite: Home Maintenance

Course Detail: 2 Trimesters

Course Fee: Materials

Grade Level: 11-12

Credit: 1

Advanced Construction will provide the student with a hands-on application of construction techniques. Students will be involved in (but not limited to) on the job training involving blueprint reading, rough framing, masonry, plumbing, electrical wiring, and carpentry.

TECHNOLOGY & ENGINEERING

AUTOMOTIVE TECHNOLOGY 1 & 2 (Automotive Tech 1 - 8965; Automotive Tech 2 - 8975) ***Night Class**

Prerequisite: Auto Technician Career Major

Course Detail: 2 Semesters

Course Fee: None

Grade Level: 11-12

Credit: 1

This course conforms to ASE (Auto Service Excellence) scope and requirements and is for the student who wants to be an auto technician. The first year classroom includes Introduction to Safety, Brakes, Suspension & Steering, Electrical, and Engine Performance. Theory and proper use of hand tools, electrical test equipment and fasteners are emphasized. ASE certification and testing will be a part of this course. If you are a junior and complete the course with a C or above, you will then have the option of continuing your training your senior year at the Madison College-Truax campus in the Automotive program. With both courses, you will be not only attaining high school credit, but also credit towards the Madison College Automotive program. Credit will be based on your course work, on the job experience and ASE Certification testing. NOTE: This course is a full year course and is held at Jefferson High School on Wednesdays from 6 p.m. - 9 p.m. An application can be obtained from Student Services and an interview will be required. Students/Parents are responsible for transportation to and from Jefferson High School. Release time will not be given to students enrolling in this class as it is offered outside of the school day.

CNC MILL: BASIC OPERATOR (CNC Mill: Operator - 8825) ***Night Class**

Prerequisite: None

Course Detail: 1 Semester

Course Fee: None

Grade Level: 10-12

Credit: 0.5

In this course, students will learn to setup and operate simple projects on 1 of 3 Haas CNC mills in the lab. Students will learn basic G-Code for writing and editing their projects. We will learn how to set up Work and Tool Offsets in the Mill, as well as load the Vice and Parts. Students will also complete the lessons for the National Certification through the Haas CNC Company "Basic Mill Operator. NOTE: This course is a full semester course and is held at Watertown High School on dates and evening times to be determined. An application can be obtained from Ms. Tarpey (\$225) and an interview will be required. Students/Parents are responsible for transportation to and from Watertown High School. Release time will not be given to students enrolling in this class as it is offered outside of the school day.

CNC MILL: BASIC PROGRAMMER (CNC Mill: Programmer - 8827) ***Night Class**

Prerequisite: CNC Miller: Basic Operators

Course Detail: 1 Semester

Course Fee: None

Grade Level: 10-12

Credit: 0.5

In this course, students will build upon their knowledge of CNC Machining from "Basic Operator" to now design and program their own projects to machine. Projects may include: a multi-sided two-piece cribbage board and a metal drinking coasters. Students will complete the "hands-on" portion of the National Certification through the Haas CNC Company "Basic Mill Operator. Upon successful completion of this Hands-On component, and the lessons from CNC Basic Operator, students will receive a Certificate from Haas. NOTE: This course is a full semester course and is held at Watertown High School on dates and evening times to be determined. An application can be obtained from Ms. Tarpey (\$225) and an interview will be required. Students/Parents are responsible for transportation to and from Watertown High School. Release time will not be given to students enrolling in this class as it is offered outside of the school day.

TECHNOLOGY & ENGINEERING

GEOMETRY IN CONSTRUCTION 1: GEOMETRY (Geometry in Construction 1: Geom - 3250)

GEOMETRY IN CONSTRUCTION 2: GEOMETRY (Geometry in Construction 2: Geom - 3255)

GEOMETRY IN CONSTRUCTION 3: CONSTRUCTION (Geometry in Construction 3: Cons - 8640)

Prerequisite: Passed Algebra 1 & 2

Course Detail: 3 Trimesters

Course Fee: Materials

Grade Level: 9-12

Credit: 1.5 (1 - Geom; 0.5 - Const)

This class will meet for one period all year long. Students must register for all three courses. [Geometry in Construction](#) is an integrated course where students learn a variety of topics through building a significant construction project that will be of service to the Watertown community. Students will learn safety, problem solving, tool use, print reading, and career exploration. Geometry content is similar to other geometry courses in the Math Department and is designed to prepare students for Advanced Algebra. The course is team taught with a Math and Tech Ed teacher. Students do not need prior construction experience.

GRAPHIC ARTS TECHNOLOGY 1: INTRODUCTION (Graphic Arts: Introduction - 8560)

Prerequisite: None

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 9-12

Credit: 0.5

This is a survey course exploring Graphic Communications. While the design process is developing, primary process explored is production. This course is largely characterized by hands-on activities, required in the production of printed materials. Topics explored include printing (t-shirts, notepads, labels & stickers), digital photography, video production, animation and original graphic designing. If you enjoy creating things with your hands, be sure to sign up for Introduction to Graphic Arts.

GRAPHIC ARTS TECHNOLOGY 2: PRINTING (Graphic Arts: Printing - 8575)

Prerequisite: Graphic Arts Technology 1: Introduction

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 10-12

Credit: 0.5

Graphics Arts Technology is the process by which printed images are created. This is a course exploring three graphic arts processes: Offset Lithography, Flexography, and Screen-printing. Each of these processes includes digital prepress, press, and post-press activities. An introduction to proof development, plate making, and press operation will be explored. In addition to the printing processes, outlined above, production vinyl cutting will be explored.

GRAPHIC ARTS TECHNOLOGY 3: PRODUCTION (Graphic Arts: Production - 8576)

Prerequisite: Graphic Arts Technology 2: Printing

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 10-12

Credit: 0.5

The focus of this course will be to further develop skills acquired in Graphic Arts Technology. A focus upon the development of multiple color prepress and press skills for Offset Lithography, Flexography and Screen Printing. Each student is required to complete specific projects outlined above in each of the three print technologies. From this group each year, two teams of two will be formed for the purpose of competing in the FTA "Phoenix Challenge" (Flexographic Technical Association.)

TECHNOLOGY & ENGINEERING

HOME MAINTENANCE (Home Maintenance - 8567)

Prerequisite: None

Course Fee: Materials

Grade Level: 9-12

Course Detail: 1 Trimester

Credit: 0.5

This course is designed to expose students to the basic fundamentals crucial to home maintenance and ownership. Students will explore the areas of carpentry, plumbing, electricity, drywall, and energy efficiency, through project based learning activities. Careers explored include Architecture, Civil Engineering, Construction Management and trades (plumbing, electrical, mechanical, etc.). No prior experience necessary. Students completing this course may elect to continue their educational experience in Advanced Construction.

INTRO TO CAD: ROBOTICS (Intro to CAD - 8820)

Prerequisite: None

Course Fee: None

Grade Level: 9-12

Course Detail: 1 Trimester

Credit: 0.5

The objective of this course is to use a hands-on approach to introduce the basic concepts of Drafting around a focus on [Robotics](#). Information presented in class will be applied to designing a variety of robotic systems and components during the trimester, resulting in a working mobile robot. We will be designing parts on the computer and then constructing those parts using prototyping equipment. Students who successfully complete this course will have learned and applied; 2D & 3D Computer Aided Design & Drafting, Basic Dimensioning & Tolerancing, Programming using Scratch, Operation of a Laser Engraver, Operation of 3D Printers, and Operation of a Raspberry Pi Microcontroller.

MACHINE TOOL 1: INTRO (Machine Tool 1: Intro - 8830)

Prerequisite: None

Course Fee: Materials

Grade Level: 10-12

Course Detail: 1 Trimester

Credit: 0.5

[Machine Tool](#) 1 is designed for all students to explore today's machining processes. Students will use milling, turning, cutting, drilling, CAD/CAM/CNC, and sheet metal operations to complete project based activities. No prior experience necessary. Students are to supply their own safety glasses daily.

MACHINE TOOL 2: CNC (Machine Tool 2: CNC - 8831)

Prerequisite: Machine Tool 1: Intro

Course Fee: Materials

Grade Level: 10-12

Course Detail: 1 Trimester

Credit: 0.5

This course offers hands-on training for the design, programming and machining of various projects in our Metals Lab. Students will design their own projects in CAD and take them through the process of the CNC Mill. Some projects will include; beverage coaster and injection mold. By the end of the course, students will be able to operate the CNC Mill independently. We will also take an advanced look at the manual mill and manual lathe. If you wish to join the workforce in Manufacturing or Engineering, and you have good mechanical skills, this course will spark your career pathway.

TECHNOLOGY & ENGINEERING

MACHINE TOOL 3: BATTLEBOTS (Machine Tool 3: BATTLEBOTS - 8832)

Prerequisite: Machine Tool 2: CNC

Course Fee: Materials

Grade Level: 10-12

Course Detail: 1 Trimester

Credit: 0.5

In this capstone course, students will work in small teams to design, fabricate, and test a working 15 lb. BattleBot! This project is great for students interested in careers related to: machining, engineering, electronics, design, and more. In so many of our courses, we get to make a simple part on a 3D printer or mill, but with this BattleBot project, you completely design, make, fabricate, and test a final advanced project in the Metals Lab. To complete this project, we will use our manual equipment as well as the CAD/CAM/CNC process for the CNC Mills. We will also apply other concepts including marketing, budgeting, time management, and teamwork.

METAL FABRICATION (Metal Fabrication - 8835)

Prerequisite: Machine Tool and Welding

Course Fee: Materials

Grade Level: 10-12

Course Detail: 1 Trimester

Credit: 0.5

[Metal Fabrication](#) is designed for students to experience fabrication techniques utilized in today's manufacturing field. Students will create products using computer aided design (CAD) software, computer numerical control (CNC) plasma table, and advanced fastening techniques. These concepts will be reinforced by using project based learning activities. Students are to supply their own safety glasses daily.

PLTW: COMPUTER INTEGRATED MANUFACTURING (CIM) 1 & 2 (PLTW: CIM 1 - 8872; PLTW: CIM 2 - 8873)

***Not Offered in 2022-2023**

Prerequisite: PLTW: IED or Intro to CAD

Course Fee: Materials

Grade Level: 10-12

Course Detail: 2 Trimesters

Credit: 1

Students learn how to program and operate the CNC Mills and ABB Robot in the Manufacturing Lab. Through the use of Autodesk Inventor and MasterCam software packages, students design projects and make them out of aluminum. First trimester of CIM, students learn the use of G-Code, Programming, general set-up of the machines, and operation of the equipment. Projects on the CNC Mills in this trimester may include; Drop Out Coaster and a Chocolate Mold. Projects on the Robot this trimester may include; Golf Ball Game and Coaster Sort program. In this 2nd half of CIM, we will look at more Logic based programming of the ABB Robot, as well as better use of tooling and programming operations on the CNC's. Students will also be introduced to the Haas ST-10 CNC Lathe. Projects in CIM2 may include Plastic Injection Mold, Spinning Top, a Mass Production Unit on the CNC's, and on the robot; Sorting the Coasters and programming a Gum Vending Machine. Students are eligible for MSOE College Credit upon successful completion of this course (70% Class & 80% Exam). Students must register for [CIM 1 & 2](#). Students must register for CIM 1 & 2.

TECHNOLOGY & ENGINEERING

PLTW: DIGITAL ELECTRONICS (DE) 1 & 2 (PLTW: DE 1 - 8870; PLTW: DE 2 - 8871) *Not Offered in 2022-2023

Prerequisite: Concurrently enrolled in Advanced Alg or higher
Course Fee: Materials Grade Level: 11-12

Course Detail: 2 Trimesters
Credit: 1

This two trimester course introduces students to the fundamentals of digital electronics using a lecture and lab format. The lecture component stresses the design of circuits to perform certain functions using Boolean algebra, K-mapping, and programming. The lab component is used to build, test, and troubleshoot these circuits using Electronics Workbench software, chips, breadboards, digital multi-meters, and logic probes. Students must register for DE 1 & 2. Students are eligible for MSOE College Credit upon successful completion of this course (70% Class & 80% Exam). Students must register for DE 1 & 2.

PLTW: ENGINEERING DESIGN & DEVELOPMENT (EDD) 1 & 2 (PLTW: EDD 1 - 8874; PLTW: EDD 2 - 8875)

***Not Offered in 2022-2023**

Prerequisite: 2 PLTW previous courses
Course Fee: Materials Grade Level: 11-12

Course Detail: 2 Trimesters
Credit: 1

[EDD](#) is the “Capstone” course for the Pre-Engineering courses. Students will be applying their previous courses towards a large-scale yearlong project. As a class, students will research, design, prototype and present on a deep-engineered project. Utilizing past lessons, equipment and community mentors, students will apply their skills in this course. During the second trimester of EDD, students will begin prototyping their designs, raising and spending funds for their prototypes, and presenting on their findings to a panel of Engineers. In EDD2, students bring to life their designs to product. Students must register EDD 1 & 2.

PLTW: INTRODUCTION TO ENGINEERING DESIGN (IED) 1 & 2 (PLTW: IED 1 - 8852; PLTW: IED 2 - 8853)

Prerequisite: None
Course Fee: Materials Grade Level: 9-12

Course Detail: 2 Trimesters
Credit: 1

[IED](#) is an introductory course that develops student’s problem-solving and critical thinking skills through the application of 3D Computer Modeling/CAD. IED emphasizes the design-development process of a product and how a product model is produced, analyzed, and evaluated. Projects in IED 1 include Children’s Block Toy, Desktop Organizer and Lego Products. Concepts explored include; Multiview drawings, dimensioning, section views, parametric modeling and design for manufacturing. Students may also use 3D printers to create one of the projects in class. IED 2 begins to extend and challenge student’s in their knowledge of the Autodesk Inventor software to design more in-depth projects through the Engineering Design Process. Projects in IED 2 include; Animated Train, Reverse Engineering, & an Independent Project. Concepts explored include Auxiliary views, advanced dimensioning (GD&T), animations, and product assemblies. Students are eligible for MSOE College Credit upon successful completion of this course (70% Class & 80% Exam). Students must register for IED 1 & 2.

TECHNOLOGY & ENGINEERING

PLTW: PRINCIPLES OF ENGINEERING (POE) 1 & 2 (PLTW: POE 1 - 8850; PLTW: POE 2 - 8851)

Prerequisite: Concurrently enrolled in Advanced Alg or higher

Course Detail: 2 Trimesters

Course Fee: None

Grade Level: 9-12

Credit: 1

Students explore technology systems and engineering processes to find out how math, science and technology help people. Some of the projects in this class include Engineering Careers exploration, VEX Robotics with "Marble Sorter project", and Rube Goldberg device with Simple Machines. POE 2 continues to explore Engineering Principles through lessons and projects. Some of the projects in this class include; Internal/External Stresses through a Balsa Bridge, Projectiles through a Ping Pong Ball Launcher, Electricity through Bread boarding, Hydraulics and Pneumatics. Students are eligible for MSOE College Credit upon successful completion of this course (70% Class & 80% Exam). Students must register for [POE 1 & 2](#).

TRANSPORTATION, SMALL GAS ENGINES (Trans/Small Engines - 8562)

Prerequisite: None

Course Detail: 1 Trimester

Course Fee: Materials

Grade Level: 9-12

Credit: 0.5

Transportation technology is a study of people and products through various environments. The student will also be studying alternate energy sources, internal combustion engines, mechanisms, and aerodynamics. Through the design and construction of various models, students will apply scientific principles and computations. This verbal-visual, hands-on process of learning can provide an effective base for education and training in many occupations.

VIDEO: BROADCASTING NEWS (Video: Broadcasting News - 8577)

Prerequisite: None

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 9-12

Credit: 0.5

If you want to learn how to create original movies and broadcast news reports, then this is the course for you. This is the first of two Video Production courses offered at Watertown High School. Students in this class will learn how to use the equipment of the television studio such as the control board, audio mixer, teleprompter, studio cameras and lighting to produce the daily student/faculty announcements. Likewise, students will learn how to create screenplays, use camcorders, microphones and computer editing software to learn basics of film design. As a result, students in this class will have experiences to make them feel comfortable in front of and behind the camera. Students who successfully complete this course will have learned and applied; Script writing, Camera operation, Operation of newsroom equipment, and Post-production editing software.

VIDEO: PRODUCTION (Video: Production - 8578)

Prerequisite: Video – Broadcasting News

Course Detail: 1 Trimester

Course Fee: None

Grade Level: 9-12

Credit: 0.5

This course provides job-specific instruction for careers in the film and television industries. The course integrates advanced video and audio techniques with the art of computer graphics. The focus of the course is on the creation of visual and special effects, and green screen studio production. This course will allow students to develop professional skills in digital video, film, and television pre-production, production, and post-production. Sample projects include commercials, short films, production packages, movie trailers, and music videos.

TECHNOLOGY & ENGINEERING

WELDING 1 (Welding 1 - 8840)

Prerequisite: None

Course Fee: Materials

Grade Level: 10-12

Course Detail: 1 Trimester

Credit: 0.5

[Welding](#) is designed for all students to explore welding through the use of practical applications. Students will explore Stick, MIG, and TIG welding processes. These concepts will be reinforced using project based activities. No prior experience necessary. Safety Glasses are required daily.

WELDING 2 – SMAW (Welding 2 - SMAW - 8841)

Prerequisite: Welding 1

Course Fee: Materials

Grade Level: 11-12

Course Detail: 1 Trimester

Credit: 0.5

Welding 2 – SMAW is aligned with Madison College to offer Dual Credit in SMAW welding courses for students while at Watertown High School. This class will expand on the knowledge and skills learning in Welding 1. Students will work towards passing all competencies for Madison College's Dual Credit course of Shielded Metal Arc Welding 1. Safety Glasses are required daily.

WELDING 2 – GMAW (Welding 2 - GMAW - 8842)

Prerequisite: Welding 1

Course Fee: Materials

Grade Level: 11-12

Course Detail: 1 Trimester

Credit: 0.5

Welding 2 – GMAW is aligned with Madison College to offer Dual Credit in GMAW welding courses for students while at Watertown High School. This class will expand on the knowledge and skills learning in Welding 1. Students will work towards passing all competencies for Madison College's Dual Credit course of Gas Metal Arc Welding 1. Safety Glasses are required daily.

WOODS 1: INTRODUCTION (Woods 1: Introduction - 8580)

Prerequisite: None

Course Fee: Materials

Grade Level: 10-12

Course Detail: 1 Trimester

Credit: 0.5

An introduction to the woods industry and operations in woodworking. Hand tools, portable power tools and woodworking machines will be used to make projects. Safe practices and techniques for proper handling and care of all tools will be required.

WOODS 2: DESIGN (Woods 2: Design - 8600)

Prerequisite: Woods 1: Introduction & Intro to CAD recommended

Course Fee: Materials

Grade Level: 10-12

Course Detail: 1 Trimester

Credit: 0.5

This course involves the utilization of tools and equipment used in Woods 1. Students must follow a specific design and construct a specific project given by the instructor using the shop equipment available. In addition, an introduction to CNC router operations will be explored.

TECHNOLOGY & ENGINEERING

WOODS 3: FURNITURE & CABINETS (Woods 3: Furniture & Cabinets - 8620)

Prerequisite: Woods 2: Design & Intro to CAD or IED

Course Detail: 1 Trimester

Course Fee: Materials

Grade Level: 10-12

Credit: 0.5

Individualized study of woodshop and mill shop procedures. Individually designed furniture and/or cabinet projects are required. Each project must utilize all power equipment and most hand tools. Design of the piece along with reading of the prints is part of this course. Laminates and finishing will also be included. CNC router operations will be available for student exploration.

WORLD LANGUAGES

Course Name	Course Number	9	10	11	12	Prerequisite	Course Fee
German 1 & 2	5140/5150	X	X	X	X		
German 3 & 4	5160/5170		X	X	X	X	
German 5 & 6	5180/5200			X	X	X	
German 7 & 8	5220/5240			X	X	X	
Spanish 1 & 2	5000/5010	X	X	X	X		
Spanish 3 & 4	5020/5030		X	X	X	X	
Spanish 5 & 6	5040/5060			X	X	X	
Spanish 202 – 1 & 2 CCHS	5115/5120			X	X	X	X
Spanish Text/Comp 1	5105	X	X	X	X	X	
Spanish Text/Comp 2	5106	X	X	X	X	X	
Spanish Text/Comp 3*	5107	X	X	X	X	X	
Spanish Text/Comp 4*	5108	X	X	X	X	X	

*Not offered in 2022-2023

GERMAN 1 & 2 (German 1 - 5140; German 2 - 5150)

Prerequisite: None

Course Fee: None

Grade Level: 9-12

Course Detail: 2 Trimesters

Credit: 1

German 1 and 2 form a full-credit course in which students develop skills in understanding, speaking, reading, and writing German. Students will engage with the culture of the German-speaking world by exploring the geography, customs, and contributions of Germans. By the end of the course, students should be able to have an introductory conversation, understand written and spoken German in a variety of contexts, expanded their conversational skills and the topics in which they can understand spoken and written German. It is recommended to take German 2 the same academic year as German 1.

GERMAN 3 & 4 (German 3 - 5160; German 4 - 5170)

Prerequisite: German 2 - grade C or higher

Course Fee: None

Grade Level: 10-12

Course Detail: 2 Trimesters

Credit: 1

German 3 and 4 form a full-credit course in which students continue to develop skills in understanding, speaking, reading and writing German. Students will continue to explore the culture of Germany via geography, customs, daily life and the contributions of Germans. By the end of the course, students should be able to sustain a conversation about daily activities and understand written and spoken German on a wide variety of daily topics. It is recommended to take German 4 the same academic year as German 3.

GERMAN 5 & 6 (German 5 - 5180; German 6 - 5200)

Prerequisite: German 4 - grade C or higher

Course Fee: None

Grade Level: 11-12

Course Detail: 2 Trimesters

Credit: 1

German 5 and 6 form a full-credit course in which students continue to develop skills in understanding, speaking, reading and writing German. Accuracy in grammar becomes more important as students will do interviews, presentations, make videos, write compositions, and compare and contrast German and American cultures. We also discuss a variety of topics and begin to write and present in a variety of genres. It is recommended to take German 6 the same academic year as German 5.

WORLD LANGUAGES

GERMAN 7 & 8 (German 7 - 5220; German 8 - 5240)

Prerequisite: German 6 - grade C or higher

Course Fee: None

Grade Level: 11-12

Course Detail: 2 Trimesters

Credit: 1

German 7 and 8 form a full-credit course in which students continue to develop skills in understanding, speaking, reading and writing German. Extensive reading, writing and speaking will be required. Students will read German short stories and condensed novels. Social and historical issues will be explored, such as legends, immigration, the arts, Germany in the 20th century, minorities, housing, education, and the reunification of Germany. Reading, discussion and grammar will be handled for successful college preparation. It is recommended to take German 8 the same academic year as German 7.

SPANISH 1 & 2 (Spanish 1 - 5000; Spanish 2 - 5010)

Prerequisite: None

Course Fee: None

Grade Level: 9-12

Course Detail: 2 Trimesters

Credit: 1

Students will engage in activities that will assist them in reading, writing, listening, and speaking the Spanish language. The course will cover the vocabulary and grammar used in basic conversations and they are encouraged to use this knowledge to connect to the culture of the Spanish speaking countries. Since learning a language is a continuous process, each chapter will build on the information covered in previous chapter(s). Themes include our friends and ourselves, school, food, pastimes, and parties. A one or two inch binder and a dry erase marker are required for class.

SPANISH 3 & 4 (Spanish 3 - 5020; Spanish 4 - 5030)

Prerequisite: Spanish 1 & 2

Course Fee: None

Grade Level: 10-12

Course Detail: 2 Trimesters

Credit: 1

Spanish 3 is intended for students who have completed one year of Spanish, who have preferably received a C or higher, and who are interested in gaining a deeper insight into the language and culture of Spanish-speaking people. These goals will be accomplished through understanding, speaking, reading and writing Spanish. Classroom emphasis is on oral communication and much of the class will be conducted in Spanish. Students are expected to participate actively in classroom activities and use Spanish in class. By the end of the trimester, students should feel competent using the language to discuss topics such as the house, chores, clothing, shopping, vacationing, TV, school, pastimes, special events, technology, and community. Students will also learn various verb forms that allow them to understand, write and speak in both the present and past tenses, use object pronouns, and make simple comparisons. Spanish 2 workbook, a binder, and a dry erase marker are required.

WORLD LANGUAGES

SPANISH 5 & 6 (Spanish 5 - 5040; Spanish 6 - 5060)

Prerequisite: Spanish 3 & 4

Course Fee: None

Grade Level: 11-12

Course Detail: 2 Trimesters

Credit: 1

Students will increase skills in areas of understanding, speaking, and writing Spanish. They will be able to understand, speak and write about their childhood and past, celebrations around the world, news-related events, health, hospitals, cultural foods, and profession. Students will also be able to speak and write using the present, preterite, imperfect, present, perfect, future tenses, affirmative and negative commons, and the subjunctive mood. This course combined with Spanish 6 (5060) is required prior to taking fourth year – college credit Spanish. It is recommended that a student receive a C or higher to take third year Spanish.

SPANISH 202-1 & 2 CCHS (Spanish 202-1 & 2 CCHS - 5115/5120)

Prerequisite: Spanish 5 & 6

Course Fee: Tuition (Credit)

Grade Level: 11 & 12

Course Detail: 2 Trimesters

Credit: 1

(3 college credits for DC option) (Eligible to earn additional 11 college retroactive credits)

Students will review and master the skills they learned in Spanish 1/2, 3/4 and 5/6 as they continue to learn new grammatical structures and concepts, vocabulary and culture. Emphasis will be placed on oral and written proficiency and cultural competency. Students will learn to use Spanish to communicate in real world situations. Throughout the course, students will be encouraged to connect with Spanish in authentic contexts. This course is conducted entirely in Spanish. Teachers and students are expected to speak in Spanish at least 90% of the time during class. College credit for this course is offered through the University of Wisconsin-Green Bay. The course is coordinated and monitored by the Spanish Department at UW-Green Bay and is taught by an instructor whose experience and credentials are approved by the department. UW-Green Bay also sets the tuition (appx. \$300) in August before the beginning of the next school year. High School credit only – same as CCHS, but no fee.

SPANISH TEXT & COMPOSITION

This course is for people who understand and speak Spanish. Being able to read and write in Spanish is not a requirement, as the main learning targets of the course involve improving students' skills in these areas. The courses do not have to be taken consecutively (although they will be offered this way), but none can be repeated. It should be noted that only two courses will be offered per year (i.e. 1 & 2 one year, 3 & 4 the following year).

Este curso es para estudiantes que hablan y entienden español. Poder leer y escribir en Español no es un requisito del curso, como el objetivo principal del curso se trata de mejorar sus destrezas en estos campos. No es necesario tomar los cursos en orden (aunque se los ofrecen así), pero no se puede repetir un curso. Se debe notar también que solo se ofrecen 2 cursos por año (por ejemplo, 1 y 2 en un año, y 3 y 4 el siguiente año).

WORLD LANGUAGES

SPANISH TEXT & COMPOSITION 1 (Spanish Text/Comp 1 - 5105)

Prerequisite: Spanish as Native Language

Course Fee: None

Grade Level: 9-12

Course Detail: 1 Trimester

Credit: 0.5

Spanish Text and Composition 1 focuses primarily on grammar and spelling in the Spanish language. The units include Alphabet and Spelling, Present indicative tense, Past, Present and Future tenses, Imperfect and Preterite Past tenses, Future tense, and Subjunctive tense. Discussion and studying of current events relative to the course will also be included when appropriate.

SPANISH TEXT & COMPOSITION 2 (Spanish Text/Comp 2 - 5106)

Prerequisite: Spanish as Native Language

Course Fee: None

Grade Level: 9-12

Course Detail: 1 Trimester

Credit: 0.5

Spanish Text and Composition 2 focuses on the studies of Hispanic culture and history. Units include Hispanic Cinema, Myths and Legends of the Spanish-speaking world, and a study of the Mayan, Aztec, and Incan civilizations. Discussion and studying of current events relative to the course will also be included when appropriate.

SPANISH TEXT & COMPOSITION 3 (Spanish Text/Comp 3 - 5107) ***Not offered in 2022-2023**

Prerequisite: Spanish as Native Language

Course Fee: None

Grade Level: 9-12

Course Detail: 1 Trimester

Credit: 0.5

Spanish Text and Composition 3 focuses on Immigration and Family History. Units include a review of Spanish phonetics, History of immigration to the United States, The Mexican Civil War, Bracero program and the Chicango Movement, Immigration law, Selections from La Casa en Mango Street, and Family History. Discussion and studying of current events relative to the course will also be included when appropriate.

SPANISH TEXT & COMPOSITION 4 (Spanish Text/Comp 4 - 5108) ***Not offered in 2022-2023**

Prerequisite: Spanish as Native Language

Course Fee: None

Grade Level: 9-12

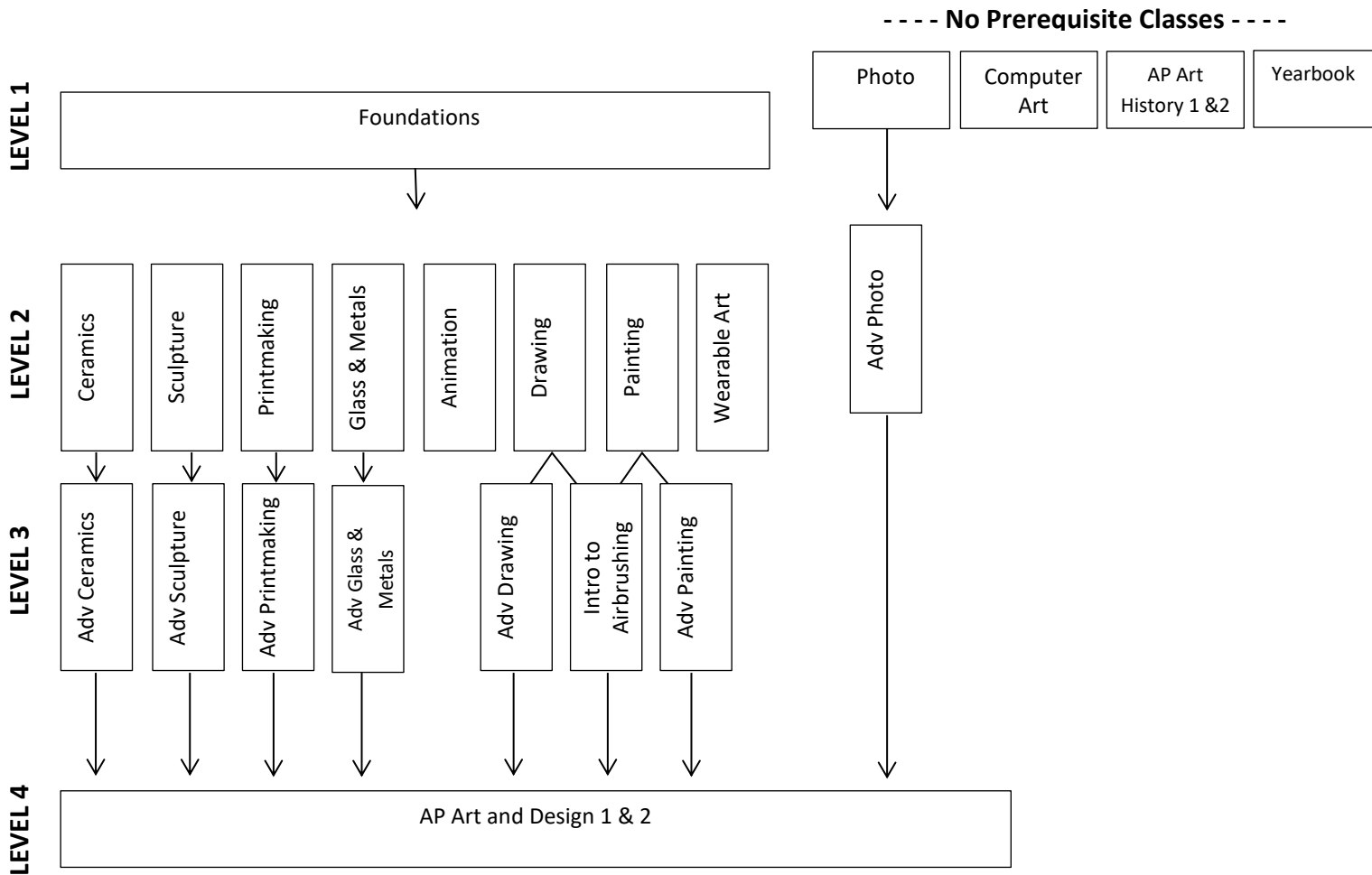
Course Detail: 1 Trimester

Credit: 0.5

Spanish Text and Composition 4 units include Children's Stories, Translation/Interpretation, Tourism and Travel in the Spanish-speaking world, and Hispanic Gastronomy. Discussion and studying of current events relative to the course will also be included when appropriate.

FLOW CHARTS

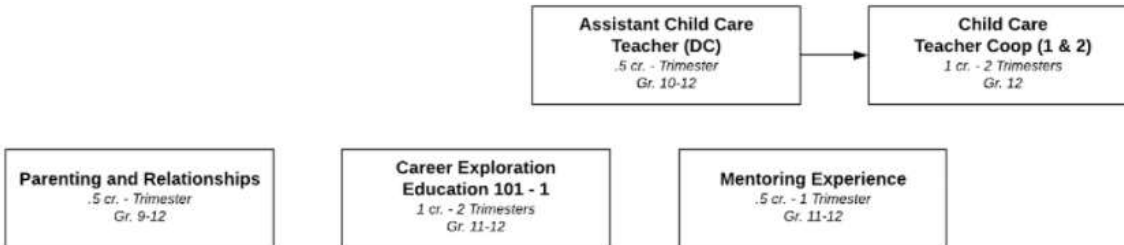
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FLOW CHARTS

FAMILY CONSUMER SCIENCES

EDUCATION & TRAINING PATHWAY



HOSPITALITY & TOURISM PATHWAY



TECHNOLOGY & ENGINEERING

Sophomore - Junior - Senior Classes

Design Pathways

- Video 1: Broadcasting News (.5 cr. - Trimester Gr. 9-12) → Video 2: Production (.5 cr. - Trimester Gr. 9-12)
- Graphic Arts: Intro (.5 cr. - Trimester Gr. 9-12) → Graphic Arts: Printing (.5 cr. - Trimester Gr. 10-12) → Graphic Arts: Production (.5 cr. - Trimester Gr. 10-12)

Engineering Pathways

- PLTW: Introduction to Engineering Design (1 cr. - 2 Trimesters Gr. 9-12) → PLTW: Principles of Engineering (1 cr. - 2 Trimesters Gr. 9-12) → PLTW: Digital Electronics (1 cr. - 2 Trimesters Gr. 11-12) → PLTW: Engineering Design & Development (1 cr. - 2 Trimesters Gr. 11-12)
- PLTW: Introduction to Engineering Design (1 cr. - 2 Trimesters Gr. 9-12) → PLTW: Computer Integrated Manufacturing (1 cr. - 2 Trimesters Gr. 10-12) → PLTW: Engineering Design & Development (1 cr. - 2 Trimesters Gr. 11-12)
- Woods 1: Introduction (.5 cr. - Trimester Gr. 10-12) → Woods 2: Design (.5 cr. - Trimester Gr. 10-12) → Woods 3: Furniture & Cabinets (.5 cr. - Trimester Gr. 10-12)

Production Pathways

- Introduction to CAD: Robotics (.5 cr. - Trimester Gr. 9-12) → Welding 1: Intro (.5 cr. - Trimester Gr. 10-12) → Welding 2 (SMAW) (.5 cr. each - Trimester Dual Credit with Madison College Gr. 10-12) → Welding 2 (GMAW) (.5 cr. each - Trimester Dual Credit with Madison College Gr. 10-12)
- Introduction to CAD: Robotics (.5 cr. - Trimester Gr. 9-12) → Machine Tool 1: Intro (.5 cr. - Trimester Gr. 10-12) → Metal Fabrication (.5 cr. - Trimester Gr. 10-12)
- Machine Tool 1: Intro (.5 cr. - Trimester Gr. 10-12) → Machine Tool 2: CNC (.5 cr. - Trimester Gr. 10-12) → Machine Tool 3: BattleBots (.5 cr. - Trimester Gr. 10-12)

Service Pathways

- Geometry in Construction (Math & Tech Ed Course) (2 cr. - 2 Trimesters Gr. 9-12) → Advanced Construction 1 (.5 cr. - Trimester Gr. 11-12) → Advanced Construction 2 (.5 cr. - Trimester Gr. 11-12)
- Home Maintenance (.5 cr. - Trimester Gr. 9-12) → Advanced Construction 1 (.5 cr. - Trimester Gr. 11-12) → Advanced Construction 2 (.5 cr. - Trimester Gr. 11-12)
- Transportation (.5 cr. - Trimester Gr. 9-12) → Automotive Technology (1 cr. - Yr. Gr. 11-12)

Legend:

- DC = Dual Credit
- PLTW = College Credit in High School (except EDD)

Right Side Labels:

- Youth Apprenticeships
- Automotive Technology / Manufacturing Production Technician / 1-2 cr. - Yr. Gr. 11-12
- Manufacturing Machining / Engineering

EARLY GRADUATION

Students may have the opportunity to fulfill graduation requirements early. To do so, however, takes prior planning on the part of the student, his/her parents, and school counselor. ALL required classes must be completed prior to early graduation. Alternative courses (such as independent study, technical school courses, correspondence courses, etc.) may not be substituted for WUSD graduation required courses, as such courses do not duplicate the accepted curriculum of Watertown High School.

HONOR ROLL

Honor Roll and High Honor Roll are computed on a trimester basis. High Honor Roll is 3.50 or higher; Regular Honor Roll is 3.200-3.499. Students must be enrolled in a minimum of four classes each trimester to qualify. A list of honor roll students will be posted in the Watertown High School Student Services office.

A+ 4.000	B+ 3.333	C+ 2.333	D+ 1.333	
A 4.000	B 3.000	C 2.000	D 1.000	F 0.000
A- 3.667	B- 2.667	C- 1.667	D- 0.667	

ACADEMIC AWARDS

Academic Awards are awarded to students who carry a minimum of two credits each trimester and earn a 3.50 GPA or higher for all three trimesters of a school year at WHS. Letters will be awarded the following school year.

DROP/ADD POLICY

Students may drop a course prior to the beginning of the trimester without a penalty. Students may drop a course during the first three days of the trimester with parent and Student Services approval. All requested changes must have a Schedule Change Form completed which students can obtain in the Student Services Office or on the Student Services website. Students dropping a course after the first three days of the trimester will be dropped with an "F" grade unless the principal approves of the course drop with a "W" grade. Because course workbooks are ordered shortly after the course selection process, the workbook fee cannot be refunded or deleted if the student chooses not to take the course and/or drops the course.

GLOBAL EDUCATION ACHIEVEMENT CERTIFICATE

The Wisconsin Global Education Achievement Certificate is awarded to graduating high school students who have demonstrated a strong interest in global issues by successfully completing a global education curriculum and engaging in co-curricular activities and experiences that foster the development of global competencies.

Students graduating from high school may be awarded the distinction of Wisconsin Global Scholar if they have completed the following requirements:

- Four (4) credits in one world language.
- Four (4) credits in courses with global content. One credit may be one year of a second world language.
- Reflections on eight (8) books (fiction or nonfiction) with global content or four (4) books plus four (4) reflections on art, music, or film.
- Participation in school wide global activities.
- A minimum of twenty (20) hours of global service learning.

Approved GEAC Courses:

AP Art History 1 & 2	Environmental Science
AP English Language and Literature 1 & 2	European History 1 & 2
AP European History 1 & 2	Foundations of Art
AP Human Geography 1 & 2	Global Problems
AP Macroeconomics	Health Services
AP Microeconomics	International Relations
AP Physics 1 & 2	Parenting and Relationships
AP US Government 1 & 2	Sociology
AP World History: Modern 1 & 2	World History 1 & 2
Academic Decathlon	World Language - 4 years
Cultural/International Foods	World Literature 1 & 2

NCAA COLLEGE ATHLETE ELIGIBILITY

Academic Requirements to play sports at a Division I or II school, you must graduate from high school, complete 16 NCAA-approved core courses, earn a minimum GPA and earn an ACT or SAT score that matches your core-course GPA. Visit eligibilitycenter.org/courselist for a full list of WHS approved core courses.

POST-SECONDARY/EXPERIENCES/ ARTICULATION AGREEMENTS

Advanced Placement Classes

AP Art and Design 1 & 2	AP Human Geography 1 & 2
AP Art History 1 & 2	AP Macroeconomics
AP Biology 1 & 2	AP Microeconomics
AP Calculus AB 1 & 2	AP Music Theory 1 & 2
AP Calculus BC 1 & 2	AP Physics 1 & 2
AP Chemistry 1 & 2	AP Psychology 1 & 2
AP Computer Science A (Java) 1 & 2	AP Statistics 1 & 2
AP English Language & Composition 1 & 2	AP US Government 1 & 2
AP English Literature & Composition 1 & 2	AP US History 1 & 2
AP Environmental Science 1 & 2	AP World History: Modern 1 & 2
AP European History 1 & 2	

Dual Credit Classes

Advanced CAPP Accounting A & B	Social Media Marketing DC
Animal Care DC	PLTW: Computer Integrated Manufacturing 1 & 2
Certified Nursing Assistant DC	PLTW: Digital Electronics 1 & 2
Elementary Algebra DC	PLTW: Engineering Design & Development 1 & 2
Entrepreneurship CCHS	PLTW: Human Body Systems 1 & 2
Health Services Observation DC	PLTW: Intro Engineering Design 1 & 2
Intro to Environmental Studies CCHS	PLTW: Medical Interventions 1 & 2
Medical Terminology DC	PLTW: Principles of Biomedical Science 1 & 2
Personal Finance CAPP	PLTW: Principles of Engineering 1 & 2
Personal Health & Wellness CAPP	Spanish 202 1 & 2 CCHS
Physics 1 & 2 CAPP	
Principles of Marketing DC	
Selling Principles Management DC	

CCHS - UW-Green Bay, Lakeshore Tech, or University of Iowa

CAPP - UW-Oshkosh

Skills Standards Program

ACCT Skills Certificate Program	Construction Co-op
Agribusiness Co-op	Electronics Co-op
Business & Information Technology Co-op	Food Service Co-op
Child Care Teacher Co-op	Health Services Co-op

Youth Apprenticeship Skill Standards

Agriculture, Food & Natural Resources YA	Information Technology YA
Architecture & Construction YA	Manufacturing YA
Arts, A/V Technology & Communications YA	Marketing YA
Finance YA	Science, Technology, Engineering & Math YA
Health Sciences YA	Transportation, Distribution & Logistics YA
Hospitality, Lodging and Tourism YA	

These agreements are subject to change due to changes in the college systems.

LAUDE SYSTEM

The Laude System will replace the class rank system. Class rank will not be routinely provided to colleges for admissions purposes. The transcript will report the student's cumulative grade point average with an accompanying Grade Point Average Calculation (GPAC) and distinction at the end of the second trimester of the student's senior year.

Laude Recognition Process

Students will be eligible for the Summa Cum Laude, Magna Cum Laude, or Cum Laude recognition by multiplying their cumulative grade point average times the total number of advanced classes successfully completed by the end of the winter trimester of their senior year. *Please note that the number of Laude Courses that will be included in the Grade Point Average Calculation will be capped at 36.*

Grade Point Average Calculation (GPAC)

The GPAC involves multiplying the student's cumulative GPA in all coursework by the number of advanced classes as illustrated below: $\text{GPA} \times \text{\#Advanced Classes} = \text{Grade Point Average Calculation}$ (i.e. $3.25 \text{ GPA} \times 20 = 65.0 \text{ GPAC}$)

The following special provisions apply when determining the Grade Point Average Calculation:

1. Grades received by students for courses taken at a Wisconsin technical college or university for dual credit or high school credit and pre-approved commensurate with procedures identified in the Watertown High School Student Handbook shall be included in determining the student's GPAC.
2. Grades received by students for courses taken at other public schools or approved alternative programs shall be included in determining the student's GPAC.
3. Grades received by students for courses taken at private or parochial or through home-based private educational program instruction shall be used in determining GPAC as approved by the principal as (s)he reviews each course and grade as compared to the course content and academic standards of Watertown High School.
4. Grades earned by a student in another country or through study abroad shall not be used to determine GPAC.
5. A passing grade for a pass/fail course will reflect a credit on the transcript but will not be used to determine GPAC. A failing grade for a pass/fail course will count in the GPAC.
6. High school subjects taken by middle school students may be used in determining the GPAC per Policy #5235 - High School Credit for Courses taken by Middle School Students.
7. If a student retakes a course, regardless of whether it is during the academic year or over the summer, the previous grade will remain on the transcript, the new grade added, and both grades used to calculate the GPAC.
8. GPAC shall be updated at the end of each school year. Grade Point Average will be computed according to the following grade point values:
 $A+ \text{ or } A = 4.000$, $A- = 3.667$, $B+ = 3.333$, $B = 3.000$, $B- = 2.667$, $C+ = 2.333$, $C = 2.000$, $C- = 1.667$,
 $D+ = 1.333$, $D = 1.000$, $D- = 0.667$, and $F = 0.000$.

To Qualify for Cum Laude or Higher

A student must have a cumulative GPA of 3.0 or higher and have earned a minimum of 60 honor points. *Please note that the number of Laude Courses that will be included in the Laude Score will be capped at 36.*

Under the Laude system, students must meet the two criteria above. Once a student meets these requirements, they can earn one of the following distinctions:

- Cum Laude (with honor/distinction) 60-79 honor points
- Magna Cum Laude (with great honor/distinction) 80-99 honor points
- Summa Cum Laude (with highest honor/distinction) 100 + honor points or more

The complete policy (5222) can be found on the WUSD website.

LAUDE SYSTEM – ADVANCED COURSES

Agriscience	Art	Business/Marketing
- Animal Care DC - Intro to Environ Studies CCHS	- AP Art History 1 & 2 - AP Art and Design 1 & 2 - Advanced Ceramics - Advanced Drawing - Advanced Glass & Metal - Advanced Painting - Advanced Photography - Advanced Printmaking - Advanced Sculpture	- AP Macroeconomics - AP Microeconomics - Adv CAPP Accounting A & B - Entrepreneurship CCHS - Personal Finance CAPP - Principals of Marketing DC - Selling Principles of Marketing DC - Social Media Marketing DC
English/Language Arts	Family Consumer Science	Health Science
- AP English Lang & Comp 1 & 2 - AP English Lit & Comp 1 & 2 - Honors English 9 1 & 2 - Honors English 10 1 & 2	- Asst Child Care Teacher DC - Child Care Teacher Coop 1 & 2	- Certified Nursing Assistant - Health Observation DC - Medical Terminology DC
Informational Technology	Math	Music
AP Computer Science A 1 & 2	- AP Calculus AB 1 & 2 - AP Calculus BC 1 & 2 - AP Statistics 1 & 2 - Honors Advanced Algebra 1 & 2 - Honors Geometry 1 & 2 - Honors Pre-Calculus 1 & 2	- AP Music Theory 1 & 2 - Advanced Shared Music 1, 2, & 3 - Chamber Orchestra 1, 2 & 3 - Concert Choir 1, 2 & 3 - Wind Symphony 1, 2 & 3
Physical Education/Health	Science	Social Studies
Personal Health/Wellness CAPP	- AP Biology 1 & 2 - AP Chemistry 1 & 2 - AP Environmental Science 1 & 2 - AP Physics 1 & 2 - General Physics CAPP 1 & 2 - Honors Biology 1 & 2 - Honors Chemistry 1 & 2 - Honors Physics 1 & 2 - PLTW: Biomedical Innovat 1 & 2 - PLTW: Princ of Biomed Sci 1 & 2 - PLTW: Human Body Syst 1 & 2 - PLTW: Medical Interv 1 & 2	- AP European History 1 & 2 - AP Human Geography 1 & 2 - AP Psychology 1 & 2 - AP US Government 1 & 2 - AP US History 1 & 2 - AP World History: Modern 1 & 2
Technology & Engineering	World Languages	Other
- PLTW: Computer Integ 1 & 2 - PLTW: Digital Electronics 1 & 2 - PLTW: Engineer Design 1 & 2 - PLTW: Intro Engineer Des 1 & 2 - PLTW: Princ of Engineer 1 & 2	- German 7 & 8 - Spanish 202 CCHS - Spanish 202 HS Credit	- School to Career - Youth Apprenticeships - Academic Decathlon (Tri 1)

EARLY COLLEGE CREDIT PROGRAM (ECCP)

The Early College Credit Program (ECCP) allows students to attend courses from institutions of higher education and to receive high school and/or post-secondary credit for successfully doing so. Students in all high school grades will be eligible to participate in ECCP. In order to take advantage of the ECCP, a student must submit an application to an institution of higher education in the semester immediately prior to the student's potential enrollment. **Please see Student Services staff for course eligibility, reporting details, and timelines.**

Payment: Under ECCP, the student and/or WUSD will be responsible for tuition if the course is taken for college credit only, high school credit, or dual credit. A student will not be responsible for any portion of tuition for courses taken for high school credit (including dual credit) provided the course is not comparable to a course offered in the District. WUSD is responsible for 100% of tuition for courses taken through an institution of higher education. Students would be responsible for 25% of the cost if the course is taken for college credit only. The board limits the number of post-secondary semester credits to 18 per student.

START COLLEGE NOW PROGRAM

1. Complete 10th grade and be in good academic standing. (Program is available to 11th and 12th grade students.)
2. Complete the application for the Start College Now Program found here: <https://bit.ly/3oUsU7w>
3. Submit the completed form (including student/parent/guardian signatures) no later than March 1st for fall semester courses and October 1st for spring semester courses to high school board of district in which the student resides. This is typically done by submitting the form to a high school counselor.
4. If the student disagrees with the school board's decision regarding comparability of courses or satisfaction of high school graduation requirement, the student may appeal the school board's decision to the state superintendent within 30 days after the decision.
5. Transportation to and/or from the technical college is the student's responsibility.
6. Reference Subchapter 38.12 (14) for eligibility requirements prior to filling out the application.

ENDEAVOR CHARTER SCHOOL



Ready to stand out among the crowd? Want to join a fast-paced, high tech learning environment? Endeavor Charter School an individualized, project based learning environment for students in grades 9-12 interested in taking control of their own learning. The ideal Endeavor student is independent, motivated, curious and ready for a new challenge. Endeavor students are interested in self-improvement and passionate about linking school to personal goals and interests. Students are challenged to grow from whatever level they are at. Through the development of a personalized learning plan, students are encouraged to develop academic and 21st Century skills to fully prepare them for college or the workforce. In Endeavor, the opportunities are endless!

Endeavor Charter School and Watertown High School are located in the same building, but they are considered different schools. Because of this, Endeavor Charter School has its own graduation requirements and credit expectations. Students and families are encouraged to schedule a tour or meet with Endeavor Charter School staff before applying. Appointments can be made by calling (920) 262-7525.

Application Process

Applications for Endeavor Charter School can be found online at our web site www.endeavorcharterschool.org. Applications are accepted December- February until all the seats are filled. Enrollment is limited. If there are more applications than there are seats available, a lottery will be held in February. If enrollment limits are not met, applications are accepted on going for entry at the start of first and second trimesters only. Each student will be expected to attend a meeting with a parent and Endeavor staff to discuss and design a personalized learning plan before starting in Endeavor.

Earning Credit

At Endeavor, we see earning credit as an opportunity and a responsibility. Students have the opportunity to design personalized learning plans that fit their unique interests. With this opportunity comes the responsibility for high academic standards.

- Students are given the opportunity to set individual goals about their courses and credit.
- Students have the responsibility to demonstrate each learning target at an A or B level in order to earn credit.
- Students are given the opportunity to revise projects and seminar work to relearn material.
- Students have the responsibility to follow personalized credit goal plans to stay on track to graduate with their class.
- Students are given the opportunity to earn credit in the order that makes sense to them.
- Students have the responsibility to earn 0.5 credit in a course for it to appear on the official school transcript.
- Students are given the opportunity to earn credit in a variety of ways including projects, seminars and online coursework.

Staff Support

Students will be assigned an advisor to help them work through setting goals, monitoring progress, planning projects and maintaining school records. Students will meet regularly with their advisor during Personalized Learning Time for student led conferences. Endeavor also has highly experienced staff to support students in each of the four core areas.

Course Registration Requirements

- Endeavor Charter School courses are entered in Watertown Unified School District entity 850 in Skyward. All Endeavor students should register for:

21st Century Skills - 700

This required course focuses on skills such as communication, problem solving, goal setting and collaboration.

- Endeavor students are given preferred placement in the Project Lead the Way science courses. Principles of Biomedical Sciences, Human Body Systems and Medical Interventions are laude courses designed specifically for students interested in healthcare. The courses are lab based and writing intensive with activities focused on scientific discovery through critical thinking, collaboration, and in depth data analysis. Success in the courses is dependent on good attendance and organization skills, a willingness to work outside of school in addition to during class, the ability to work cooperatively with others, and participation during class activities. Individual course descriptions can be found in the science section of this course book. Students interested in participating in Project Lead the Way classes should also register for those in the Watertown Unified School District entity 850 in Skyward.

Principles of Biomedical Sciences T1- 304

Principles of Biomedical Sciences T2- 305

Human Body Systems T1- 306

Human Body Systems T2- 307

Medical Interventions T1- 308

Medical Interventions T2- 309

Biomedical Innovation T1- 320

Biomedical Innovation T2- 321

- The remainder of the schedule and courses in Endeavor, including Personalized Learning Time, will be added by the student's advisor in Endeavor.
- Based on the personalized learning plan, Endeavor students who are interested in taking courses in Watertown High School can also register for up to 2 credits in the high school. Watertown High School courses are entered in Watertown Unified School District entity 800. These courses are entered using the course numbers listed in this book. Students are not required to take courses in Watertown High School. All graduation requirements can be met through Endeavor.
- Questions about the registration process should be directed to Judy Mueller (muellerj@watertown.k12.wi.us), lead teacher at Endeavor Charter School.

Advanced Professional Studies – Technology Leadership

Students with an interest and passion for technology and helping others have the option to create personal goals around technology assistance projects throughout the building that offer authentic learning experiences in a real-world setting. These experiences are paired with rigorous academic requirements for college and career as students earn credit toward graduation. Sophomore status is preferred to begin assistance projects. Freshman year will emphasize the project process, interpersonal and 21st century skills, and building a strong academic foundation for future success.

- **Courses**
 - Intro to Computer Science (grades 9-12)
 - AP Computer Science A (grades 11-12)

Technology assistance projects and student technology leadership opportunities are part of the GenerationYes curriculum.