2025 – 2026

EDUCATIONAL PLANNER & COURSE BOOKLET

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Ashwaubenon High School
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Student Services

The school counselors at AHS are available to assist students and families with educational and post-high school planning, career information and research, and short-term social/emotional counseling. They also help students and families with referrals to other district student service professionals such as the school social worker, school psychologist, and school nurse, as well as other resources.

It is the goal of the school counselors to assist students in making the best possible use of the opportunities available, both curricular and extracurricular, at AHS. All students are encouraged to become acquainted with their assigned school counselors and use them as resources throughout their high school experiences. Students are assigned alphabetically by last name to school counselors as follows:

Ms. Joy VanLaanen	A - Ha
Mr. John Hilbert	He - N
Mrs. Christina Fitzpatrick	O - Z

Ashwaubenon High School Mission Statement

The AHS learning community provides a safe and caring environment that inspires all students to achieve their full potential.

AHS Schedule
2025-2026

Ashwaubenon High School utilizes the 4 x 4 block schedule. In this scheduling model courses are one or two terms in length. One term courses meet for 45 days and are worth one-half credit. Two term courses are 90 days in length and are worth one credit. All students take four classes per term, for a total of eight credits each academic year.

AHS also offers a modified block schedule option for select courses. Each of these offerings (called skinnies) earns one-half credit for two terms or one credit for four terms.

High School Graduation Requirements

Twenty-eight (28) total credits are required for graduation. The following specific credits must be earned:

English	4 credits
Math	3 credits
Natural Science	3 credits
Social Science	3 credits
Physical Education	1.5 credits
Health	.5 credit (may be fulfilled by Parkview Middle School course)
Financial Literacy	.5 credit **(beginning with the Class of 2028)**

In order to receive a high school diploma, students must meet the Civics Test Requirement outlined by Wis. Stat. sec. 118.33(1m)(a)1, Section 3266R.

Wisconsin Law 118.15 permits parents/guardians to request that their child be provided with program or curricular modification.

It is the responsibility of students and parents to see that all graduation requirements are met.

Weighted Grade Points

Weighted grade points are in effect for all AP, Honors, and courses included in the advanced core recommendation for ACT preparation as indicated below.

Weighted Courses	
Advanced Biology	AP US History
AP American Government	Calculus I
AP Art & Design (2-D, 3-D, Drawing)	English 1 Honors
AP Biology	English 2 Honors
AP Calculus	Inorganic Chemistry
AP Chemistry	Math 1 Honors
AP Computer Science A	Math 2 Honors
AP Computer Science Principles	Math 3 Honors
AP Environmental Science	Math 4/Math 4 Honors
AP Language & Composition	Math 5/Math 5 Honors
AP Literature & Composition	Organic Chemistry
AP Macroeconomics	Physics
AP Psychology	
AP Statistics	Approved College Courses

Grade	Grade Scale	Standard Grade Points	Weighted Grade Points
A	95-100	4.00	5.00
A-	93-94	3.67	4.67
B+	91-92	3.33	4.33
B	87-90	3.00	4.00
B-	85-86	2.67	3.67
C+	83-84	2.33	3.33
C	79-82	2.00	3.00
C-	77-78	1.67	2.67
D+	75-76	1.33	1.33
D	71-74	1.00	1.00
D-	69-70	.67	.67
F	0-68	0	0

Class Rank and Honor Rolls

Class rank will be calculated at the end of each term. The **Honor Roll** is published twice a year - terms 1 & 2 cumulative and terms 3 & 4 cumulative.

Credit from Other Schools

For currently enrolled high school students, no coursework or classes taken at another high school will be accepted for credit unless approved by the student's counselor and administration prior to enrollment in the course.

National Honor Society

The Ashwaubenon chapter of the National Honor Society recognizes students who demonstrate excellence in the areas of **Scholarship, Leadership, Service,** and **Character.** The membership selection process takes place each year after the end of Term 1 using the criteria below. Students who meet the criteria will be notified via student email and invited to complete the application process outlined in that email communication.

Membership application involves a variety of materials, including an activity resume, recommendations, and an essay. In addition to application and induction, NHS members must **continue to meet** the following requirements to **maintain** their NHS membership status once inducted:

Scholarship
Eligible sophomores, juniors, and seniors must have a **cumulative grade point average of 3.67 or higher** (weighted) to be invited to pursue membership. Students must also have completed, or be currently enrolled in at least **five** of the following courses: Advanced Placement (AP) in any subject area, English Honors path, Math Honors path, Advanced Biology, Inorganic Chemistry, Organic Chemistry, Physics, or World Language level IV or higher.

Leadership & Character
Students invited to seek membership are required to write a short essay providing personal examples of good character and strong leadership skills. A faculty committee reviews the essays and a formal list of extracurricular involvements for induction purposes. No student will be considered who has had honor code violations as an AHS student.

Service
Students must have **25 total hours of completed and documented community service** recorded in Student Services by the end of October in order to qualify for an invitation to apply to NHS. Once a member is inducted into the National Honor Society, they do not need to complete additional service hours beyond the initial 25 hours, although many students elect to do more service than the initial requirement. Members **do** need to maintain the other criteria of G.P.A., Leadership and Character in order to retain membership.

Criteria for Early Graduation

The following has been established as the criteria for early graduation:

- Complete all graduation requirements.
- Meet with the school counselor to discuss the process.
- Students accepted for early graduation must be admitted to a post-secondary institution, enlisted in the military, or explain why the student remaining in school is contributing to a hardship situation.
- Final approval to be determined by principal.

Independent Study

Independent studies related to a particular interest or talent area may be available for juniors or seniors. Independent studies are more rigorous than traditional courses and are designed to support, not replace, existing curriculum. Independent study course work is designed by the teacher and student and follows state education standards. This is a non-weighted course taken for grade and credit.

Students must set up a plan for independent study with their assigned counselor by March 1 (for following fall semester) or October 1 (for following spring semester). Credit allotment and study details are determined by the teacher and school counselor.

Teacher Assistantships

Teacher assistantships are for junior or senior students who have demonstrated advanced skills in an area and have exhausted the curriculum offered. Assistantships must align with a student's career goals. Student assistants may earn credit on a pass/fail basis, and for one term only.

Students must set up a plan for teacher assistantships with their assigned counselor by March 1 (for following fall semester) or October 1 (for following spring semester).

Advanced Placement (AP)

Ashwaubenon High School offers sixteen on-site Advanced Placement (AP) courses as well as enrollment access to online AP courses. Students can pursue college-level studies while in high school. Students who take an AP course may choose to pay for and take an AP exam. If students score a 3, 4, or 5 on the exam, they may be eligible to receive college credit for the course.

How do students enroll in AP courses? Students interested in an AP course are recommended to achieve a B or better in prior courses in that subject area. They need to discuss their interest with parents and the course instructor. Talking to a school counselor will help determine if a student is able to handle the additional workload and rigor of a college-level course. AP courses offered at Ashwaubenon High School are found in the departments of Art, English, Math, Natural Science, and Social Science. Please see specific departments for recommendations or prerequisites.

Early College Credit Program

The Early College Credit Program has been established to allow students who have met institutional criteria for admission to take courses at a University of Wisconsin institution, tribally controlled, or one of the state's participating private, nonprofit institutions of higher education.

Post-secondary admission is contingent on meeting entrance requirements and the availability of space. The Ashwaubenon School District will determine whether the course satisfies state graduation requirements and what, if any, high school credits are to be awarded. Applications for the Early College Credit Program are available in the Student Services office. Completed applications are due to the Student Services office by October 1 for the spring semester; completed applications are due by March 1 for the fall semester. Only courses specifically approved by the school board are eligible for Early College Credit. Students may not substitute any other course.

Contact a school counselor for detailed information.

Start College Now

Start College Now has been established to allow 11th and 12th grade students who have met institutional criteria for admission to take courses at a technical college.

Post-secondary admission is contingent on meeting entrance requirements and the availability of space. The Ashwaubenon School District will determine whether the course satisfies state graduation requirements and what, if any, high school credits are to be awarded. Applications for Start College Now programs are available in the Student Services office. Completed applications are due to the Student Services office by October 1 for the spring semester; completed applications are due by March 1 for the fall semester. Only courses specifically approved by the school board are eligible for Start College Now. Students may not substitute any other course.

Contact a school counselor for detailed information.

Project Lead The Way

Project Lead The Way (PLTW) is a nonprofit organization that provides a transformative learning experience for K-12 students and teachers across the U.S. PLTW empowers students to develop in-demand, transportable knowledge and skills through pathways in computer science, engineering, and biomedical science. PLTW's teacher training and resources support teachers as they engage their students in real-world learning. Elementary, middle, and high schools in all 50 states and the District of Columbia offer PLTW programs.

PLTW Computer Science empowers students in grades 9-12 to become creators, instead of merely consumers, of the technology all around them. The program's interdisciplinary courses engage students in compelling, real-world challenges. As students work together to design solutions, they learn computational thinking – not just how to code – and become better thinkers and communicators. Students take from the courses in-demand knowledge and skills they will use in high school and for the rest of their lives, on any career path they take. See the Computer Science section of this course book for information on the PLTW Computer Science courses offered at AHS.

PLTW Engineering empowers students to step into the role of an engineer, adopt a problem-solving mindset, and make the leap from dreamers to doers. The program's courses engage students in compelling, real-world challenges that help them become better collaborators and thinkers. Students take from the courses in-demand knowledge and skills they will use in high school and for the rest of their lives, on any career path they take. See the Technology & Engineering Education section of this course book for information on the PLTW Engineering courses offered at AHS.

For more information on Project Lead The Way, visit **https://dpi.wi.gov/te/project-lead-the-way**.

Career and Technical Education Preparation

Career and Technical Education (CTE) preparation develops a sequence of courses and experiences designed to provide high school students with a more technical-oriented background to enable them to make a successful transition from high school to technical school, work, and/or the military.

Entrance Examinations

Technical college programs require a high school diploma, GED or HSED for admission. In addition, some programs require additional entrance/placement assessments. Please check program information specific to the technical college campus under consideration.

It can no longer be assumed that graduating from high school guarantees automatic acceptance into a specific technical college program. Programs such as nursing, engineering, computer technology, etc. need specific types of high school courses to prepare students for the next level of education and training.

Technical Preparation

Solid academic course work, along with appropriate CTE courses during high school, is necessary to prepare for the technical demands of the world of work. Ashwaubenon High School offers a variety of courses and opportunities for students to prepare for careers in technical areas.

Youth Apprenticeship

Youth Apprenticeship is a school-based program coordinated by NEWYA and CESA 7. Students have the opportunity to get paid on-the-job experiences while maintaining full-time student status.

Youth Apprenticeship allows students to explore career interests while earning high school credits and getting paid. Students completing the program earn a State-Issued Skill Certificate from the Wisconsin Department of Workforce Development. Colleges view this certificate similarly to AP courses or Dual College Credits earned when applying. This certificate may be referenced on resumes when applying for jobs or internships.

Youth Apprenticeship programs are available in the following career cluster areas:

- Agriculture, Food, & Natural Resources
- Architecture & Construction
- Arts, Audio Visual Technology, & Communications
- Business Administration
- Education
- Finance
- Health Science & Nursing
- Hospitality & Tourism
- Information Technology (IT)
- Manufacturing
- Marketing
- Science, Technology, Engineering, & Math (STEM)
- Transportation, Distribution, & Logistics

Interested sophomores or juniors must meet with the Youth Apprenticeship coordinator to discuss an academic plan as well as application dates. Completed applications are required for participation.

Transcribed Technical College Courses

A cooperative program between Ashwaubenon High School and NWTC (Northeast Wisconsin Technical College) provides high school students an opportunity to earn transcribed credit, without any cost, while in high school. *Transcribed courses are identified by an asterisk (*) in the course listing at the beginning of each curricular area.* A student who satisfactorily completes transcribed courses and meets the identified competencies may receive transcribed technical college credit in specified programs of study.

Transcribed courses are taught by high school teachers with Wisconsin Technical College System certification. NWTC curriculum and assessment methods are used. Student grades are posted to an official NWTC transcript. The grade a student receives in a transcribed course becomes part of the student's official college record. Transcribed credit agreements are transferable to other Wisconsin technical colleges and may transfer to four-year universities.

Important College Credit Information

Only post-secondary or college credit courses taken by following the steps outlined in this coursebook will qualify for high school credit, unless pre-approved in writing by the counselor and administration. If you plan to take college credit, please be sure to thoroughly read through the steps outlined above for the applicable college programs. If you have questions about taking college credits in high school, please reach out to your school counselor.

College and University Core Admission Requirements

The following minimum admission requirements are typically accepted by most colleges/universities. However, highly selective colleges/universities will expect students to have exceeded these minimum requirements.

English - 4 credits required, additional credits encouraged

A high school English course will be accepted for core college preparatory credit in English if the predominant content reflects one or more of the following: composition, literature, rhetoric/speech.

Mathematics - 3 credits required, additional credits encouraged

Algebra 1A and 1B or Math 1, Math 2, and Math 3 taken at AHS are minimum college preparatory credits.

Natural Science - 3 credits required, additional credits encouraged

Cellular Biology, Ecological Biology, Chemistry, and Physics are accepted as core college preparatory credits in natural science. These courses emphasize theory and almost always have a significant laboratory component. Other science courses with a strong laboratory component will be considered as college preparatory credits.

Social Science - 3 credits required, additional credits encouraged

Courses that are accepted as core college preparatory credits in social science include history, political science, geography and theoretical studies of culture, economics, and human behavior and societies.

World Language - credits may be required, 2 credits encouraged

Some colleges and universities may require world language credits for admission or graduation depending on the specific school/college requirements. Students taking three or four credits of the same world language in high school may satisfy world language graduation requirements at some colleges and universities.

College Entrance Examinations

Some colleges/universities may require ACT or SAT test scores as part of the admission criteria. All juniors currently take the ACT test spring of their junior year as a mandatory state assessment. Students are encouraged to take the tests more than one time to improve scores.

Admission to colleges/universities is not a given. High school planning and preparation during all four years is essential to help students keep as many post-secondary options available to them as possible.

Collegiate Athletics

Students planning to pursue college-level athletics should be aware of possible NCAA requirements. Please refer to the NCAA website for specific information at: **www.ncaa.org/student-athletes/future**.

Career Clusters

Agriculture, Food and Natural Resources
Agribusiness Systems
Animal Systems
Environmental Service Systems
Food Products and Processing Systems
Natural Resources Systems
Plant Systems
Power, Structural and Technical Systems

Architecture and Construction
Construction
Design/Pre-Construction
Maintenance/Operations

Arts, Audio/Video Technology and Communications
Audio and Video Technology and Film
Journalism and Broadcasting
Performing Arts
Printing Technology
Telecommunications
Visual Arts

Business Management and Administration
Administrative Support
Business Information Management
General Management
Human Resources Management
Operations Management

Education and Training
Administration and Administrative Support
Professional Support Services
Teaching/Training

Finance
Accounting
Banking Services
Business Finance
Insurance
Securities and Investments

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

Health Science
Biotechnology Research and Development
Diagnostic Services
Health Informatics
Support Services
Therapeutic Services

Hospitality and Tourism
Lodging
Recreation, Amusements and Attractions
Restaurants and Food/Beverage Services
Travel and Tourism

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

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

Law, Public Safety, Corrections and Security
Correction Services
Emergency and Fire Management Services
Law Enforcement Services
Legal Services
Security and Protective Services

Manufacturing
Health, Safety and Environmental Assurance
Logistics and Inventory Control
Maintenance, Installation and Repair
Manufacturing Production Process Development
Production
Quality Assurance

Marketing
Marketing Communications
Marketing Management
Marketing Research
Merchandising
Professional Sales

Science, Technology, Engineering and Mathematics
Engineering and Technology
Science and Math

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

WISCONSIN DEPARTMENT OF Public Instruction

Ashwaubenon High School Four-Year Plan

Students must earn at least 28 credits for graduation, including the following specific requirements:

English	4.0 cr.
Math	3.0 cr.
Natural Science	3.0 cr.
Social Science	3.0 cr.

Phy Ed	1.5 cr.
Health (if not passed at Parkview Middle School)	0.5 cr.
Financial Literacy* (beginning with the class of 2028)	0.5 cr.

Refer to Department Sections of Course Booklet for appropriate course sequencing/pathways.

9th Grade Required Courses	
Course Name	**Credits**
English 1 or English 1 Honors	1.0
Science "4 Core" Selection (2 courses)	1.0
Math	1.0
World History (replaces American Heritage)	1.0
Phy Ed 9	0.5
*Academic, Career, & Financial Planning	0.5
Total Credits:	**8.0**

10th Grade Required Courses	
Course Name	**Credits**
English 2 or English 2 Honors	1.0
Science "4 Core" Selection (remaining 2 courses)	1.0
Math	1.0
American History (replaces 20th Century History)	1.0
Phy Ed 10	0.5
Total Credits:	**8.0**

11th Grade Required Courses	
Course Name	**Credits**
English 3, AP Literature or AP Language	1.0
Democratic Citizenship or AP Government	0.5/1.0
Math	1.0
Natural Science Electives	1.0
Phy Ed Elective	0.5
Total Credits:	**8.0**

12th Grade Required Courses	
Course Name	**Credits**
English Electives	1.0
Global Issues	0.5
Total Credits:	**8.0**

Career Cluster Area - current interest (choose one)

___ Arts, A/V, & Communication ___Education & Training ___Health Science

___Human Services ___Information Technology ___Manufacturing

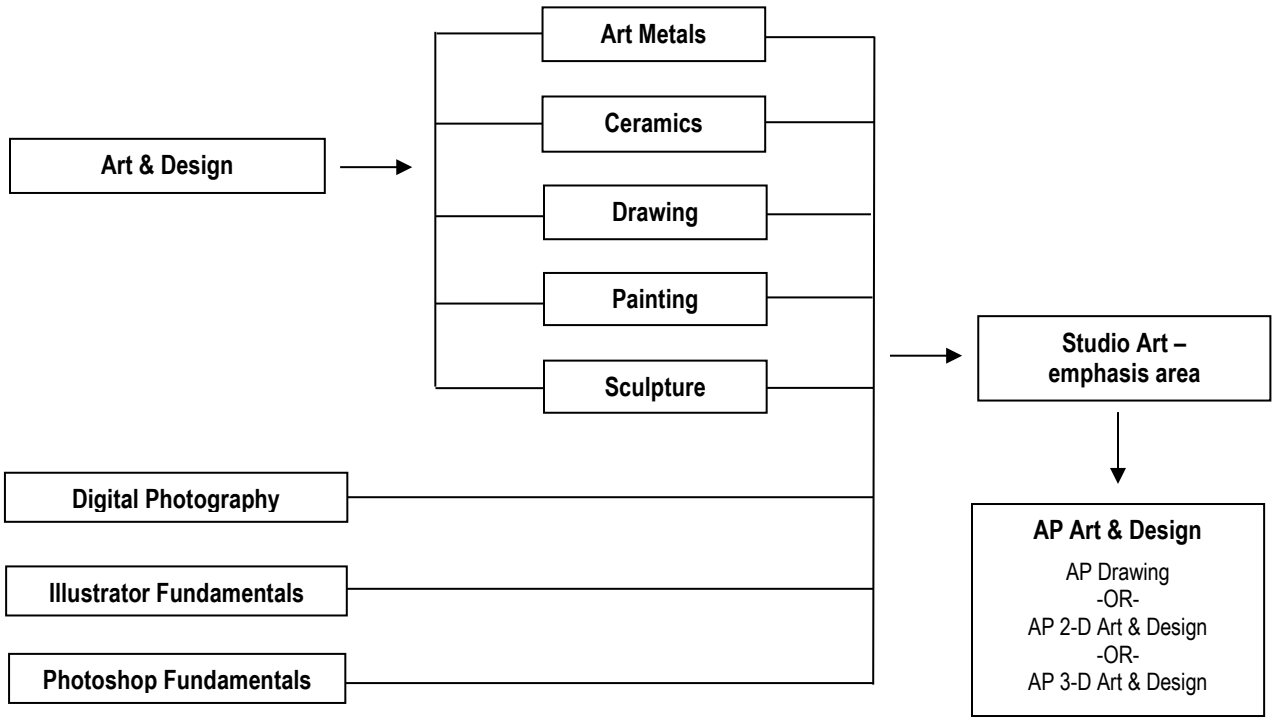
___Marketing ___Science, Technology, Engineering, & Math ___Other _____

Art

Course	Title	Grade	Prerequisite	Credit
6026	**Art & Design**	9,10,11,12	None	1
6045	**Digital Photography***	10,11,12	None	.5
6063	**Photoshop Fundamentals***	10,11,12	None	.5
6065	**Illustrator Fundamentals***	10,11,12	None	.5
6055	**Art Metals**	9,10,11,12	Art & Design	.5
6057	**Ceramics**	9,10,11,12	Art & Design	.5
6059	**Drawing**	9,10,11,12	Art & Design	.5
6061	**Painting**	9,10,11,12	Art & Design	.5
6053	**Sculpture**	9,10,11,12	Art & Design	.5
multiple	**Studio Art**	9,10,11,12	Completion of two art classes	.5
6090	**AP Art & Design**	11,12	Completion of two art classes, teacher recommendation, and request one additional Studio Art class	1

***NWTC transcribed course**

Flow Chart of Art Courses



6026
Art & Design
1 credit
Grade: 9,10,11,12
No prerequisite
Fee: $25.00

Art & Design is a studio class that introduces students to materials, tools, and concepts related to the visual arts. Over the course of a semester, students gain the knowledge and experience necessary for success in all fine art and digital art classes. Students will have the opportunity to express their individual talents by completing a variety of original and challenging projects. Assignments emphasize design, craftsmanship, and creative problem solving. Units explore drawing, painting, art history, Photoshop, Illustrator, digital photography, color theory, ceramics, sculpture, and art metals. Art & Design is the prerequisite to the art courses at AHS.

6045
Digital Photography
.5 credit
Grade: 10,11,12
No prerequisite
Fee: $10.00

Digital Photography is a class where students will learn how to use a digital camera to take both technical and creative photographs. The class will introduce students to commercial, portrait, landscape, fine art, and nighttime photography. The course includes downloading, editing, cropping, enhancing, and retouching digital photographs using Adobe Photoshop. It is highly recommended that the student has a digital camera for this class. Students interested in further developing their photography skills should enroll in Studio Art - Digital Photography.

Sophomore, Junior, and Senior students earning a "C" or better in Digital Photography may receive three credits at NWTC.

6063
Photoshop Fundamentals
.5 credit
Grade: 10,11,12
No prerequisite
Fee: $10.00

Photoshop Fundamentals focuses on image editing, selections, extractions, and creating composite files to create new artistic imagery and collages. Enhance or alter the appearance of your work using retouching, layers, and filters. Students will build a portfolio of work through the exploration of a variety of digital projects. Adobe Photoshop CC has become an industry standard for many disciplines including graphic design, web design, digital video editing, and creating animations. Adobe Photoshop CC serves as a foundation platform for all areas of digital media. Students interested in further developing their photo editing skills should enroll in Studio Art - Photoshop.

Sophomore, Junior, and Senior students earning a "C" or better in Photoshop Fundamentals may receive three credits at NWTC.

6065
Illustrator Fundamentals
.5 credit
Grade: 10,11,12
No prerequisite
Fee: $10.00

Illustrator Fundamentals provides the student opportunities to develop basic knowledge and skills necessary in fields such as animation, web design, illustration, game design, and media arts. Adobe Illustrator provides tools to create digital drawings, illustrations, and vector images; it also allows integration of images into graphic layouts and animated gifs. Students will build a portfolio of work transforming drawings, incorporating type, blending, layering, and using special effects. Students interested in further developing their illustration skills should enroll in Studio Art - Illustrator.

Sophomore, Junior, and Senior students earning a "C" or better in Illustrator Fundamentals may receive three credits at NWTC.

6055
Art Metals
.5 credit
Grade: 9,10,11,12
Prerequisite:
Art & Design
Fee: $35.00

Art Metals introduces students to the basic processes of jewelry making and metal art sculpture. Students will explore piercing, forming, forging, casting, and soldering. Working with a combination of metals, students build a portfolio including sculpture, wearable art, and a cast silver ring. Students interested in further developing their art metals skills should enroll in Studio Art - Art Metals.

6057
Ceramics
.5 credit
Grade: 9,10,11,12
Prerequisite:
Art & Design
Fee: $30.00

Ceramics is a course where students explore the art and craft of clay through the creation of hand-built forms and wheel thrown pottery. Students will create decorative and functional forms using hand building techniques. On the electric wheels, students will learn the basic skill of throwing cylinders and bowls, then alter this technique to further develop their skills. Students interested in further developing their ceramics skills should enroll in Studio Art - Ceramics.

6059
Drawing
.5 credit
Grade: 9,10,11,12
Prerequisite:
Art & Design
Fee: $20.00

In the drawing class students will build a portfolio of drawings using graphite, pastels, ink, colored pencils, and mixed media while exploring a variety of techniques, ideas, and concepts. Students will learn basic techniques such as shading, controlling tones, composition, and drawing methods. Students will learn how to see with an artist's eye and capture what they see on paper. Students interested in further developing their drawing skills should enroll in Studio Art - Drawing.

6061
Painting
.5 credit
Grade: 9,10,11,12
Prerequisite:
Art & Design
Fee: $25.00

This class is a basic study of painting. The focus is on foundational skills such as color theory, paint mixing, applying light and shadow, and how to handle brushes to get the desired effect. Students will experiment with acrylic, gouache, and watercolor paint on canvas, paper, and panel. Strategies for creative development, problem solving, establishing meaning, and connecting to contemporary culture are important components of this course. Students interested in further developing their painting skills should enroll in Studio Art - Painting.

6053
Sculpture
.5 credit
Grade: 9,10,11,12
Prerequisite:
Art & Design
Fee: $25.00

This course is a hands-on exploration of sculptural techniques and concepts. Students create realistic and abstract sculptures utilizing subtractive and additive processes of carving, modeling, and construction. Using materials such as plaster, clay, metal, paper, wood, wax, and found objects, students research, plan, create, and revise sculptures. Students interested in further developing their sculpting skills should enroll in Studio Art - Sculpture.

Studio Art
6071 **– Art Metals**
6073 **– Ceramics**
6075 **– Digital Photography**
6077 **– Drawing**
6079 **– Illustrator**
6081 **– Painting**
6083 **– Photo Shop**
6085 **– Sculpture**
.5 credit
Grade: 9,10,11,12
Prerequisite:
Completion of two art classes
Fee: Based on Emphasis Area

Studio Art is the level II, III, or IV of all of the previous art courses. Studio Art is intended for students to further explore a discipline (i.e. Art Metals, Ceramics, Drawing, Illustrator, Painting, Photoshop, Sculpture, and Digital Photography.) Students will develop a portfolio of work that demonstrates conceptual thinking, composition, and use of materials. The artwork created in this course can be used in the college admission process.

Students interested in further developing their art skills should enroll in Studio Art multiple times with an emphasis in a chosen area.

6090
AP Art & Design
1 credit
Grade: 11,12
Prerequisite:
Completion of two art classes, teacher recommendation, and request one additional Studio Art class
Fee: $60.00

Students in this college level course will build a portfolio for submission to the College Board for one of the three exam programs: AP Drawing, AP 2-D Art & Design, or AP 3-D Art & Design. During this semester, new concepts and skills will be introduced, expanding on previously learned principles and skills. Students are expected to work above and beyond the high school classroom. The first part of the exam requires students to assemble a body of fifteen artworks and document the process of their sustained investigation practice, experimentation, and revision. The second part of the exam requires students to submit five high quality selected works that demonstrate synthesis of materials, processes, and ideas. Students who submit and pass the AP portfolio review at the conclusion of the course will be eligible for college credit. The portfolio costs approximately $98.00.

Students must also enroll in one additional Studio Art class to complete the portfolio process during the spring semester.

AP Art & Design can be taken a second time to complete a second AP Portfolio: Drawing, 2-D Art & Design or 3-D Art & Design

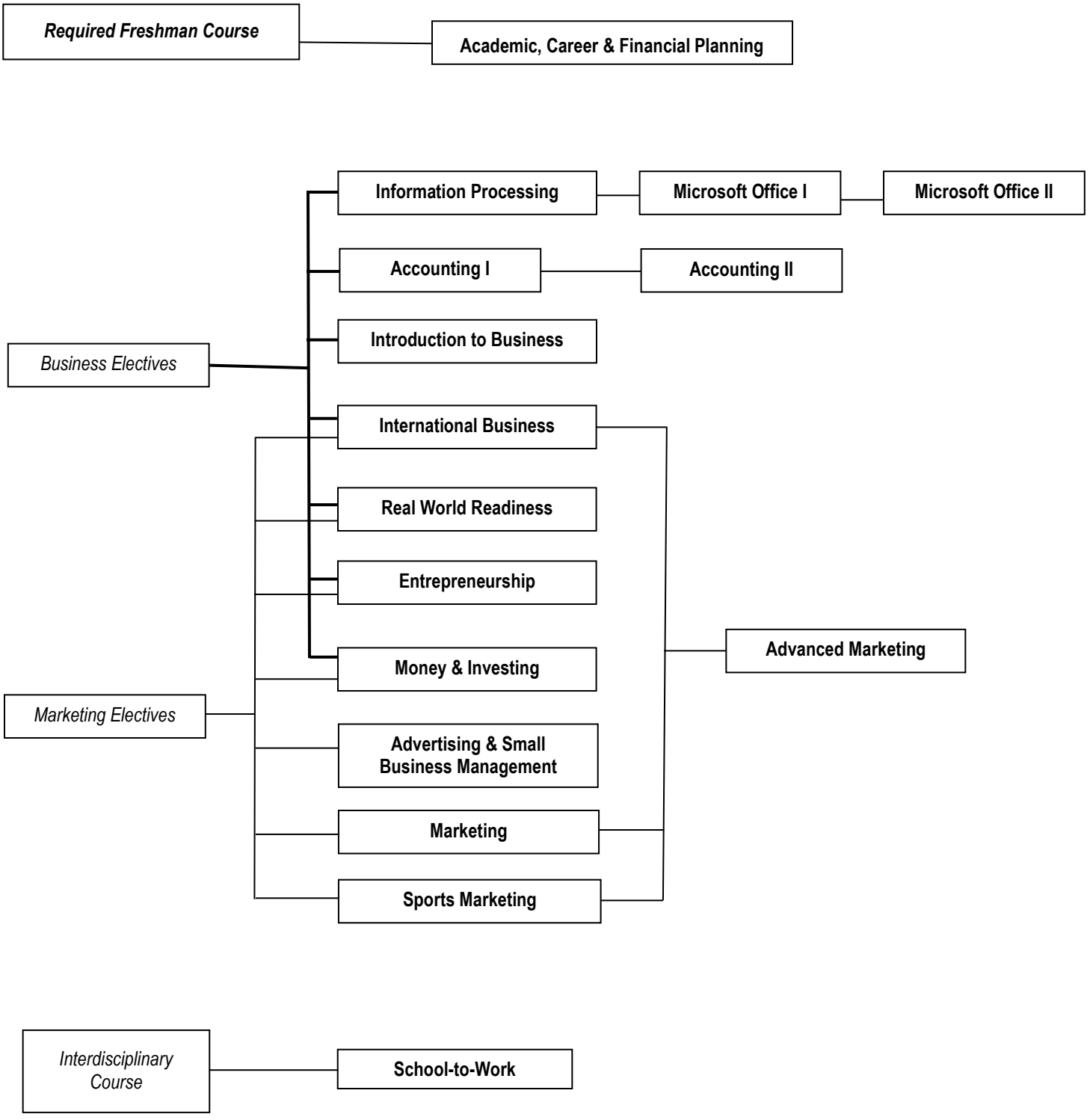
Business/Marketing

Course	Title	Grade	Prerequisite	Credit
6725	**Academic, Career & Financial Planning**	9	None	.5
6501	**Introduction to Business**	9,10	None	.5
6511	**Information Processing**	9,10,11,12	None	.5
6515	**Microsoft Office I**	9,10,11,12	Information Processing	.5
6517	**Microsoft Office II***	9,10,11,12	Microsoft Office I	.5
6709	**Advertising & Small Business Mgmt**	10,11,12	None	.5
6519	**Entrepreneurship**	10,11,12	None	.5
6719	**International Business**	10,11,12	None	.5
6703	**Marketing**	10,11,12	None	.5
6717	**Money & Investing**	10,11,12	None	.5
6711	**Sports Marketing**	10,11,12	None	.5
6729	**Advanced Marketing**	11,12	Marketing, Sports Marketing, or International Business	.5
6554	**Accounting I**	11,12	None	1
6556	**Accounting II**	11,12	Accounting I	1
6727	**Real World Readiness**	11,12	None	.5
7825	**School-to-Work**	12	Real World Readiness	.5 - 2

***NWTC transcribed course**

DECA is the student marketing and business club that is associated with the marketing education program. DECA membership is open to everyone and is strongly encouraged for those enrolled in any of the marketing courses. Meetings are usually held once a month with activities running throughout the year. Competition conferences are available to all members at the regional, state, and national level. Contact any DECA officer or see the advisor for more information.

Flow Chart of Business/Marketing Education Courses



6725
Academic, Career & Financial Planning
.5 credit
Grade: 9
No prerequisite

This course is required for graduation, and must be taken by all freshmen. Academic, Career & Financial Planning provides students with resources and knowledge to shape their academic, employment, and financial goals for the future. This course will open students' eyes to how their high school experience ties into life's "big picture". Students will be guided by their teacher and school counselors as they explore various post-secondary educational and career opportunities that align with their interests and financial goals. Students will discover how their high school GPA, assessment scores, and class scheduling can impact their pursuit of these opportunities. Along with designing a plan to pursue their goals, students will learn about various financial topics such as credit scores, interest, investments, and budgeting that will prepare them to be financially responsible adults. Let's get started planning for your future!

6501
Introduction to Business
.5 credit
Grade: 9,10
No prerequisite

Explore the world of business and the opportunities that come along with it! We will learn about general business concepts such as business ownership, economics, investing and global cultures. These general concepts will lay the groundwork for more advanced business classes in the future. Students will have fun by putting their knowledge to work by playing the role of a company manager as we transform the traditional classroom into a functioning city during our hands-on simulation activity called Mean Jeans.

6511
Information Processing
.5 credit
Grade: 9,10,11,12
No prerequisite

Information Processing is the last opportunity to take a class that will improve skills in getting letters, reports, and table grids to look appealing on the page. "Hunting and pecking" at the keyboard is not a résumé skill that will get the higher-paying job or that research paper finished before midnight! High school and college classes require a lot of keyboarding. Build your speed, accuracy, and formatting skills now.

6515
Microsoft Office I
.5 credit
Grade: 9,10,11,12
Prerequisite:
Information Processing

Use Word, Excel, Access, PowerPoint, and Publisher to advance computer application skills. Students will be amazed at how they can apply their creativity and formatting skills to enhance documents, spreadsheets, presentations, databases, and more! Microsoft Office I skills will enhance present and future coursework.

6517
Microsoft Office II
.5 credit
Grade: 9,10,11,12
Prerequisite:
Microsoft Office I

Microsoft Office II provides students with the opportunity to advance computer application skills to the next level. Students will explore advanced features of the Microsoft Office Suite to add finishing touches to word processing documents, spreadsheets, presentations, and graphic-based documents. Students will learn how to integrate multiple software applications to easily create complex projects.

Students completing both Microsoft Office I and II with grades of "B" or better may receive transcribed credit at NWTC.

6709
Advertising & Small Business Management
.5 credit
Grade: 10,11,12
No prerequisite

Learn to use a valuable tool in any occupation - promotion. This course is designed for students interested in marketing communications (advertising) and small business management. It offers students an inside look at how businesses promote their products and their companies. Students will develop promotional campaigns including image building, ad layout techniques, electronic media, and displays. This course provides an opportunity to work directly with a local ad agency or retail store in developing an advertising campaign. A portion of the class time will be spent running and managing a business through a computerized simulation. This is a hands-on course that applies advertising and management principles in a real-life scenario.

6519
Entrepreneurship
.5 credit
Grade: 10,11,12
No prerequisite

Students should not work for someone else when they could start their own business! In Entrepreneurship, students will develop a business plan for any company idea that they would like to start. Students will learn the basics of a business plan and what it takes to be their own boss. The final plan will be presented to real business professionals! Use creativity to excel and have fun in this class.

6719
International Business
.5 credit
Grade: 10,11,12
No prerequisite

Students are introduced to the global environment of business and marketing. In this course, they will be exposed to different cultures and marketing techniques used around the world. They will gain an understanding of the multitude of job opportunities in the global economy and how that economy affects their everyday life. Almost everything a student buys is from another country. Figure out why that is and how you fit into our global economy. Get ready to explore a world beyond our borders.

6703
Marketing
.5 credit
Grade: 10,11,12
No prerequisite

Marketing is everywhere and everything in business! If a student wants to work for, manage, or own a business, marketing is essential. Students will learn about important marketing functions in class and then apply what they learn to the real business world. Several stores in the mall have partnered with the high school to allow students into their stores to learn about marketing firsthand. Teams will not only learn from real businesses, but they will also develop a marketing plan for a product they create. During the class, students will gain management skills while competing in a computer simulation designed to teach them the basics of marketing and management. Because we make several trips to area businesses, students need to be ready to do a bit of walking.

6717
Money & Investing
.5 credit
Grade: 10,11,12
No prerequisite

This is a course about managing your finances and understanding money--something that all the research is saying that students simply need to understand in today's economy. This course will teach students about money, interest, saving, investing, taxes, financial planning, stocks, other investments, and even more! The principles of investing will be taught using a fun on-line stock marketing simulation where students compete with classmates to make some money. Students will understand what it takes to be financially sound when they are adults.

6711
Sports Marketing
.5 credit
Grade: 10,11,12
No prerequisite

This is a dynamic course that deals with the marketing of sports and entertainment. Students will examine how basic marketing principles are used to successfully present a sporting and entertainment event. Student teams will apply these principles to develop an image and a sports product, target marketing events, create advertising and promotional activities, organize an event-planning activity within team operations, and report on current issues in sports. Students will be involved in the marketing of a sports team as an ownership group and the team will run a fantasy marketplace simulation against other groups in the class. Athletic ability is not required, just a curious mind willing to learn a fun new marketing approach.

6729
Advanced Marketing
.5 credit
Grade: 11,12
No prerequisite

Advanced Marketing is a fun and exciting upper level business course available to students who have previously completed a basic marketing course. Students will create a marketing team that will partner with an area business to create a marketing plan specific for that company. Students will travel to the business to work directly with a manager/owner to analyze the current marketing mix that company offers. Students will complete a SWOT (strengths, weaknesses, opportunities, and threats) analysis for a direct competitor of the business and then create a marketing plan for the company that will be presented to a manager/owner as their final. Students will need to be able to travel to the company they choose by either driving or walking. Students will not be able to drive together to meetings. Students will be allowed to pick their own teams (two or three people per team) so taking the course with friends is recommended. This is a great opportunity for students to apply their marketing skills, knowledge, and creativity while collaborating with their teammates and local business professionals.

6554
Accounting I
1 credit
Grade: 11,12
No prerequisite

Accounting is the language of business. Students will understand the concepts of maintaining and interpreting financial records of their personal finances and those of a business. Computerized accounting makes the process easy with fast results. Accounting uses very basic calculator math—addition, subtraction, multiplication, and division! Software simulations develop an awareness of how the financial pieces fit together for a successful profit in a business.

6556
Accounting II
1 credit
Grade: 11,12
Prerequisite:
Accounting I

Accounting II reviews, reinforces, and furthers the ability and understanding of the accounting cycle. Financial records of a sole proprietorship, partnership, and corporation will be analyzed. Students will explore the handling of accounting information on a computer while learning cost accounting, departmental accounting, and accounting for a manufacturing business.

6727
Real World Readiness
.5 credit
Grade: 11,12
No prerequisite

Can't wait to get out on your own? Off to college or full-time work? Regardless of the choice, what do students need to know? Are students ready to be socially responsible and financially independent, ready to rent their first apartment, buy a home, pay taxes, purchase insurance, use credit cards, evaluate loan options, decide on a college and career choice, and of course…be a smart consumer? All of these questions and more are discussed in this highly interactive project-based experience. Apply the skills acquired in this capstone course to ensure that you are ready for the real world.

7825
School-to-Work
.5 – 2 credits
Grade: 12
Prerequisite or Corequisite:
Real World Readiness

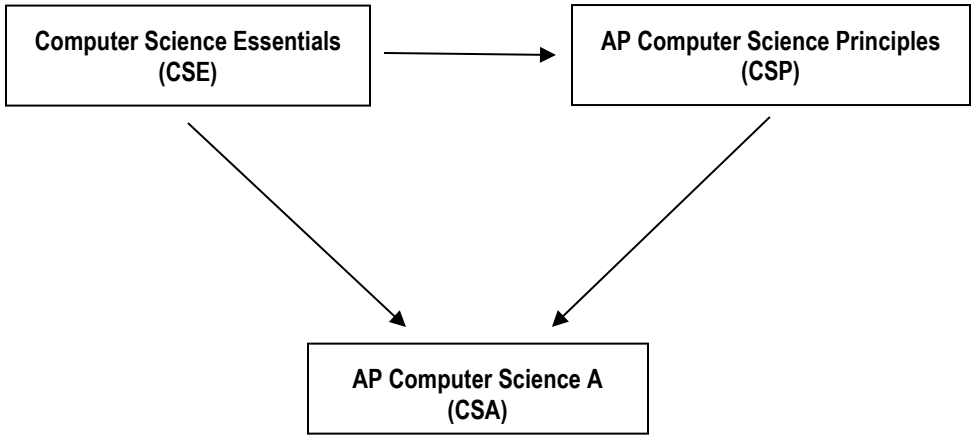
School-to-Work is for students interested in earning credit through a work experience during their senior year in preparation for the world of work after high school. Students are responsible for obtaining their own employment. Students may be released from school up to two periods per day for the work experience based on school counselor discretion. Each term students may earn no more than 0.5 credit for this experience once they've submitted verification, in the form of pay stubs, for 90 hours of work.

Students must have taken Real World Readiness in their junior year or be scheduled to take it in their senior year in order to be eligible to participate in this course offering.

Computer Science

Course	Title	Grade	Prerequisite	Credit
6848	**Computer Science Essentials – PLTW**	9,10,11,12	None	1.0
6862	**AP Computer Science Principles – PLTW** (Offered 2025-26)	10,11,12	Math 1 or Computer Science Essentials	1.0
6864	**AP Computer Science A** (Offered 2026-27)	10,11,12	Computer Science Essentials or AP Computer Science Principles	1.0

Flow chart of Computer Science Courses



6848
Computer Science Essentials (CSE) – PLTW
1 credit
Grade: 9,10,11,12
No prerequisite

In Computer Science Essentials, students will use visual, block-based programming and seamlessly transition to text-based programming with languages such as Python® to create apps and develop websites, and learn how to make computers work together to put their design into practice. They'll apply computational thinking practices, build their vocabulary, and collaborate just as computing professionals do to create products that address topics and problems important to them.

Computer Science Essentials helps students create a strong foundation to advance to AP Computer Science Principles, AP Computer Science A, and beyond.

6862
AP Computer Science Principles (CSP) - PLTW
1 credit
Grade: 10,11,12
Prerequisite:
Math 1 or Computer Science Essentials

Using Python® as a primary tool and incorporating multiple platforms and languages for computation, this course aims to develop computational thinking, generate excitement about career paths that utilize computing, and introduce professional tools that foster creativity and collaboration. Computer Science Principles helps students develop programming expertise and explore the workings of the Internet. Projects and problems include app development, visualization of data, cybersecurity, and simulation. PLTW is recognized by the College Board as an endorsed provider of curriculum and professional development for AP® Computer Science Principles (AP CSP).

This course replaced Computer Science Principles and may not be taken a second time for credit.

This course is offered on an alternating year basis. It will be offered school year 2025-26.

6864
AP Computer Science A – (CSA)
1 credit
Grade: 10,11,12
Prerequisite:
Computer Science Essentials or AP Computer Science Principles

(Previously offered as Computer Science A.) AP Computer Science A (CSA) introduces students to software engineering and object-oriented programming and design using the Java programming language. This curriculum covers a broad range of topics, including the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems.

This course replaced Computer Science A and may not be taken a second time for credit.

This course is offered on an alternating year basis. It will be offered school year 2026-27.

English

Course	Title	Grade	Prerequisite	Credit
1102	**English 1**	9	None	1
1104	**English 1 Honors**	9	District recommendation	1
1106	**English 2**	10	English 1 or English 1 Honors	1
1108	**English 2 Honors**	10	"B" or better in English 1 Honors OR "B" or better in English 1 and teacher recommendation	1
1110	**English 3**	11,12	English 2 or English 2 Honors	1
1112	**AP Language & Composition**	11,12	"B" or better in English 2 Honors OR "B" or better in English 3 and teacher recommendation	1
1114	**AP Literature & Composition**	11,12	"B" or better in English 2 Honors OR "B" or better in English 3 and teacher recommendation	1
1021	**Classical Mythology**	10,11,12	English 2 or English 2 Honors	.5
1043	**Creative Writing**	10,11,12	English 2 or English 2 Honors	.5
1039	**Grammar & Writing Skills**	10,11,12	English 2 or English 2 Honors	.5
1045	**Public Speaking**	10,11,12	English 2 or English 2 Honors	.5
1035	**Science Fiction & Fantasy**	10,11,12	English 2 or English 2 Honors	.5

English Courses
4 Credits Required for Graduation

required 1st credit options:

English 1 **OR** English 1 Honors

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required 2nd credit options:

English 2 **OR** English 2 Honors

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required 3rd credit options:

English 3 **OR** AP Language & Composition **OR** AP Literature & Composition

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required 4th credit options:

1 credit courses

English 3
AP Language & Composition
AP Literature & Composition

.5 credit courses

Classical Mythology
Creative Writing
Grammar and Writing
Public Speaking
Science Fiction & Fantasy

1102
English 1
1 credit
Grade: 9
No prerequisite
Required of freshmen not taking English 1 Honors

This course focuses on the integration of reading, writing, speaking, and listening skills. Students will study forces within society and how characters react to them in a variety of literature that includes short story, poetry, nonfiction, drama, and at least one novel. This course reinforces reading and writing skills including vocabulary building, grammar, and mechanics.

1104
English 1 Honors
1 credit
Grade: 9
Prerequisite:
District recommendation

This honors course places emphasis on expanded reading requirements and higher level writing and thinking skills. This course reinforces reading and writing skills including vocabulary development, grammar, and mechanics.

1106
English 2
1 credit
Grade: 10
Prerequisite:
English 1 or English 1 Honors

This course builds upon the previous course. Students will study works by American authors from a variety of time periods focusing on factors that influence individual perspectives. Emphasis is also placed on the continued development of vocabulary, grammar, punctuation, and composition skills, including the successful completion of a minimum of three major essays.

1108
English 2 Honors
1 credit
Grade: 10
Prerequisite:
"B" or better in English 1 Honors
OR "B" or better in English 1
and teacher recommendation

This honors course is designed for accelerated students, focusing on representative American authors. This course expands on reading and writing skills including further instruction on analysis and composition.

1110
English 3
1 credit
Grade: 11,12
Prerequisite:
English 2 or English 2 Honors

This course builds on the previous two English courses by examining the role of the individual beyond their own lives. This will be achieved through studying the evolution of literary and non-fiction depictions of the roles of the individual within society. Students will write several major papers as well as various other creative and expository writings. This course reinforces reading and writing skills including vocabulary building, grammar, and mechanics.

1112
AP Language & Composition
1 credit
Grade: 11,12
Prerequisite:
"B" or better in English 2 Honors
OR "B" or better in English 3
and teacher recommendation

Students in this college-level course will read and carefully analyze a broad and challenging collection of writings as well as visual texts to deepen their awareness of how writers use language effectively. Through close reading and frequent writing, students will enhance their ability to work with language and text with a greater awareness of purpose and strategy, while fostering a genuine understanding of establishing a purpose, identifying an audience, and creating an argument while developing their own essays. Students will learn to write prose of sufficient richness and complexity to communicate effectively with mature readers. Course readings feature expository, analytical, personal, and argumentative texts from a variety of authors and historical contexts.

Students will have the opportunity to take the Advanced Placement Test in English Language & Composition, which could lead to college credit. This test is approximately $98.00.

1114
AP Literature & Composition
1 credit
Grade: 11,12
Prerequisite:
"B" or better in English 2 Honors
OR "B" or better in English 3
and teacher recommendation.

This college-level course engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone.

Students will have the opportunity to take the Advanced Placement Test in English Literature & Composition, which could lead to college credit. This test is approximately $98.00.

1021
Classical Mythology
.5 credit
Grade: 10,11,12
Prerequisite:
English 2 or English 2 Honors

This elective course is an analytical study primarily of Greek myths and their influence on Western culture, especially literature. Students will read and react to these ancient stories and relate them to modern issues. Students will also use their creative writing skills to update some myths. This course reinforces reading and writing skills including vocabulary development, grammar, and mechanics.

1043
Creative Writing
.5 credit
Grade: 10,11,12
Prerequisite:
English 2 or English 2 Honors

This elective course uses daily writings to teach the writer to communicate emotions, attitudes, impressions and reactions through language. The student will follow formats as well as discover new ways of writing creatively. These forms include journal writing, poetry, and short fiction exploration in areas such as romance, mystery, action/adventure, and fantasy/science fiction. The student should be strong in composition skills. This course reinforces writing skills through vocabulary development, revision, and portfolio creation.

1039
Grammar & Writing Skills
.5 credit
Grade: 10,11,12
Prerequisite:
English 2 or English 2 Honors

This elective course is for students who are planning to attend a four-year college or university. This course addresses grammar, usage and mechanics rules. Students will learn to internalize rules and develop habits allowing them to write clearly and apply rules correctly. The course addresses sentence structure, vocabulary, punctuation, usage, and other elements necessary for conventionally correct writing. Additionally, students will develop skills to write effectively in a variety of modes and in different contexts.

1045
Public Speaking
.5 credit
Grade: 10,11,12
Prerequisite:
English 2 or English 2 Honors

This elective course provides instruction and exploration of how to effectively prepare and deliver speech in a variety of contexts. Students will engage in purposeful preparation, practice effective delivery, and reflect on their experiences. Students will also conduct research and effectively incorporate that research into presentations, and students will practice using rhetoric to better impact their audience. The ultimate goal is to improve quality and comfort in a wide range of speech situations that students are likely to encounter in their adult lives.

1035
Science Fiction & Fantasy
.5 credit
Grade: 10,11,12
Prerequisite:
English 2 or English 2 Honors

This elective course will explore the exciting possibilities of the future as seen through the imagination of writers who dare to tread there. The course will survey a historical perspective of the genre and its connection to earlier fantasies through short stories, music, movies, and a novel. Students will add to the wealth of "sci-fi" or fantasy by writing original works. This course reinforces reading and writing skills including vocabulary development, grammar, and mechanics.

Family & Consumer Sciences

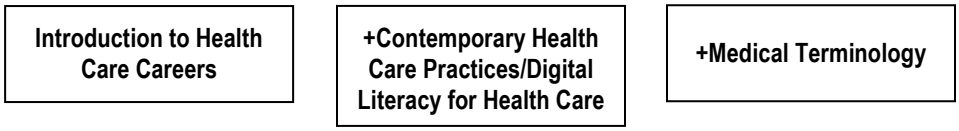
Course	Title	Grade	Prerequisite	Credit
6901	**Culinary I**	9,10,11,12	None	.5
6903	**Culinary II**	10,11,12	"C" or better in Culinary I	.5
6905	**Culinary III***	11,12	"C" or better in Culinary II	.5
6941	**Introduction to Health Care Careers**	9,10,11,12	None	.5
6957	**Contemporary Health Care Practices/Digital Literacy for Health Care***	11,12	None	.5
6943	**Medical Terminology***	11,12	None; suggest Contemporary Health Care Practices and Digital Literacy for Health Care	.5
6951	**Assistant Child Care Teacher***	11,12	None	.5
6919	**Creative Clothing & Sewing**	9,10,11,12	None	.5
6949	**Life's Issues**	11,12	None	.5

*NWTC transcribed or articulated course

Hospitality & Tourism

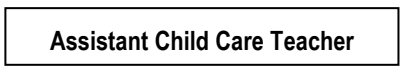
Health Science

Students earning a C or better in the two **+** courses below may earn a Healthcare Customer Service Representative Certificate from NWTC



Education & Training and Human Services

Students earning a C or better in this course with a minimum 90% attendance record may earn an Assistant Child Care Certificate (ACCT), which would enable them to work in a licensed child care center.



Other Family & Consumer Sciences Courses

AHS culinary courses follow the ProStart curriculum. This program includes an industry-driven curriculum to teach, test, and award industry-recognized certificates to students meeting high standards utilizing foodservice techniques and restaurant education. Each course is a prerequisite for the next and allows the student to build their skill level and knowledge base, resulting in the mastery needed for their potential culinary career.

6901
Culinary I
.5 credit
Grade: 9,10,11,12
No prerequisite
Fee: $15.00

Culinary Arts provides an opportunity for students with an interest in food to learn about culinary skills. Prior foods experience is not necessary. This basic course introduces students to the world of professional cooking. Training in safety and sanitation, kitchen basics, foodservice equipment, nutrition, etiquette, potatoes, and grains are some examples of units taught in this beginning course. Lab experience will be provided throughout the semester in order to reinforce these skills.

6903
Culinary II
.5 credit
Grade: 10,11,12
Prerequisite:
"C" or better in Culinary I
Fee: $15.00

This course involves both theory and actual hands on experiences. Students will explore the customer, employee, and employer perspectives of the foodservice industry. They will gain basic skills needed to be a part of a successful culinary team. They will also be introduced to the hospitality industry standards. Students will learn and apply a variety of cooking techniques. Units will include professionalism, serving guests, mother sauces, poultry, eggs, and specialty sandwiches.

6905
Culinary III
.5 credit
Grade: 11,12
Prerequisite:
"C" or better in Culinary II
Fee: $15.00

In this course students will explore and apply advanced culinary techniques continuing their development in the foodservice industry. Students will also expand their knowledge for employment as well as skills for a successful career. A variety of cooking techniques will be applied in the following units: nutrition, garnishing, meat, seafood, baking and pastries, and global cuisines.

Students will have the opportunity to take the ServSafe Food Manager Exam in Culinary III, which could lead to ServSafe Food Manager Certification. This test is approximately $38.00.

Students passing the ServSafe Food Manager exam with a 75% or higher may earn transcribed credit at NWTC.

6941
Introduction to Health Care Careers
.5 credit
Grade: 9,10,11,12
No prerequisite

This course will provide an opportunity to explore the many employment possibilities in the health care field. Students will learn about the educational pathways available to them for employment at various levels and in various skill areas in the health field. Field trips, guest speakers, and lab experiences will further enhance the exploratory nature of this course.

Health Care Customer Service Representative Certificate

Learn to provide excellent customer service in a health care setting. You'll be instructed on how to not only meet but to exceed customer needs. All courses in this certificate may be applied toward the Medical Assistant technical diploma program.

Students are eligible to earn this certificate by earning a C or better in the following courses: Contemporary Health Care Practices, Digital Literacy of Health Care, and Medical Terminology.

6957
Contemporary Health Care Practices/Digital Literacy for Health Care
.5 credit
Grade: 11,12
No prerequisite

By enrolling in this one term course students will be enrolled in NWTC's Contemporary Healthcare Practices (10-501-104) and Digital Literacy Healthcare (10-501-107) for transcribed credit. Students must earn a C or better to receive credits at NWTC.

This course prepares learners to work in the healthcare environment as part of a healthcare team. Learners will investigate the healthcare community, patient privacy standards, and the professional behavior that is expected in today's medical community. Learners will examine various aspects of verbal and written communication skills, customer service principles, and problem-solving techniques necessary to be a vital member of the healthcare workforce.

6957
Contemporary Health Care Practices/Digital Literacy for Health Care (contd.)

This course will explore the use of electronic health records, the role of social media in health care communication, the uses of wearable technologies that monitor activity and heart rate, the use of data to manage population health and the impact of new developments on the healthcare workforce.

Students earning a "C" or better in this course may receive transcribed credit at NWTC.

6943
Medical Terminology
.5 credit
Grade: 11,12
Prerequisite: None
Suggested: Completion of Contemporary Health Care Practices/Digital Literacy for Health Care
Fee: Workbook purchase Approximately $85.00

Medical Terminology is an ideal course for any individual pursuing a career in the medical field. It focuses on the component parts of medical terms: prefixes, suffixes, and word roots. Students practice formation, analysis, and reconstruction of terms. Emphasis will be on spelling, definition, and pronunciation. The student will be introduced to operative, diagnostic, therapeutic, and symptomatic terminology of all body systems, as well as systemic and surgical terminology.

Students earning a "C" or better in this course may receive transcribed credit at NWTC.

6951
Assistant Child Care Teacher
.5 credit
Grade: 11,12
No prerequisite

This course is designed for students interested in child-focused careers such as elementary education, pediatric nursing, or early child care education. Assistant Child Care Teacher is a course that will enable students to earn the 40-hour Child Care Assistant Certification that will allow employment in a child care center at an entry-level position. Learning activities will be devoted to the study of the developing child from infancy through school-age. Students will be assigned to observe at a child care center or Cormier Early Education Center.

An articulation agreement with the Wisconsin Technical College System allows students with a grade of "B" or better to enter into the day care teacher 40 hour course.

6919
Creative Clothing & Sewing
.5 credit
Grade: 9,10,11,12
No prerequisite
Fee: $5.00 in addition to materials provided by students

This clothing course will offer the opportunity for students to discover how clothing choices are constructed and how they can be used to express individuality. Basic sewing and design techniques will be learned, and selected projects made.

Students who successfully complete Creative Clothing & Sewing and who want to further develop their clothing construction skills may re-enroll in this course with the permission of the instructor and receive credit.

6949
Life's Issues
.5 credit
Grade: 11,12
No prerequisite

This course will assist students in making decisions about sensitive health issues that affect people over the life cycle. Topics include healthy relationships, communication, abstinence, sex and sexuality, childbirth, human growth and development, and the grieving process. Students will learn techniques and skills to cope with stress, financial literacy, and planning for their futures.

Health Education

Course	Title	Grade	Prerequisite	Credit
5050	**Health**	9,10,11,12	None	.5

5050
Health
.5 credit
Grade: 9,10,11,12
No prerequisite

The purpose of this course is to help students acquire the knowledge and attitudes necessary to achieve or maintain lifetime health. Such topics as mental/emotional health, alcohol, tobacco and drug prevention, human growth and development, nutrition, suicide prevention, internet safety, fitness, aging and dying, and CPR and First Aid will be covered.

This course is required for graduation; however, if this course was successfully completed at Parkview Middle School, the requirement is considered fulfilled. Students may also take this course as an elective.

Interdisciplinary Courses

Course	Title	Grade	Prerequisite	Credit
5135	**Nursing Assistant**	11,12	Accepted in the Nursing Assistant Program through Start College Now	.75
5150	**Theatre Arts**	9,10,11,12	None	1
7825	**School-to-Work**	12	Real World Readiness	.5 – 2
7970	**Youth Apprenticeship Work**	11,12	None	2

5135
Nursing Assistant – NWTC Partnership/Start College Now
.75 credit
Grade: 11,12
Prerequisite:
Acceptance into NWTC's Nursing Assistant Program through Start College Now
Fee: uniforms, immunizations, and cost of the state exam

This semester-long course is offered in partnership with NWTC and Woodside Lutheran Home in conjunction with Start College Now. This course includes both classroom and clinical rotations covering specific basic nursing skills, principles of communication skills, resident rights, and team work with other caregivers under the supervision of a licensed nurse. The clinical phase may be scheduled early mornings, late afternoons, or Saturdays at Woodside Lutheran Home.

Students must complete and submit the Start College Now application by the March 1 due date.

See a school counselor for more information.

5150
Theatre Arts
1 credit
Grade: 9,10,11,12
No prerequisite

Theatre Arts is a comprehensive overview of all aspects of theatre. The course provides instruction in acting and vocal techniques, theatre styles, production elements such as set design and costuming, as well as the performance aspects of theatre. Students interested in participating in extracurricular activities such as the musical, one-act play, or spring play should take this course, but any student wanting to improve general self-confidence and self-awareness would also benefit from taking Theatre Arts. The course may not be taken more than once for credit.

7825
School-to-Work
.5 – 2 credits
Grade: 12
Prerequisite or Corequisite:
Real World Readiness

School-to-Work is for students interested in earning credit through a work experience during their senior year in preparation for the world of work after high school. Students are responsible for obtaining their own employment. Students may be released from school up to two periods per day for the work experience based on school counselor discretion. Each term students may earn no more than 0.5 credit for this experience once they've submitted verification, in the form of pay stubs, for 90 hours of work.

Students must have taken Real World Readiness in their junior year or be scheduled to take it in their senior year in order to be eligible to participate in this course offering.

7970
Youth Apprenticeship Work
2 credits
Grade: 11,12
No Prerequisite

Youth Apprenticeship is a career focused and competency-based work program that includes several career paths. If you're interested in taking the first steps toward your career path and are on track to graduate, this is the program for you!

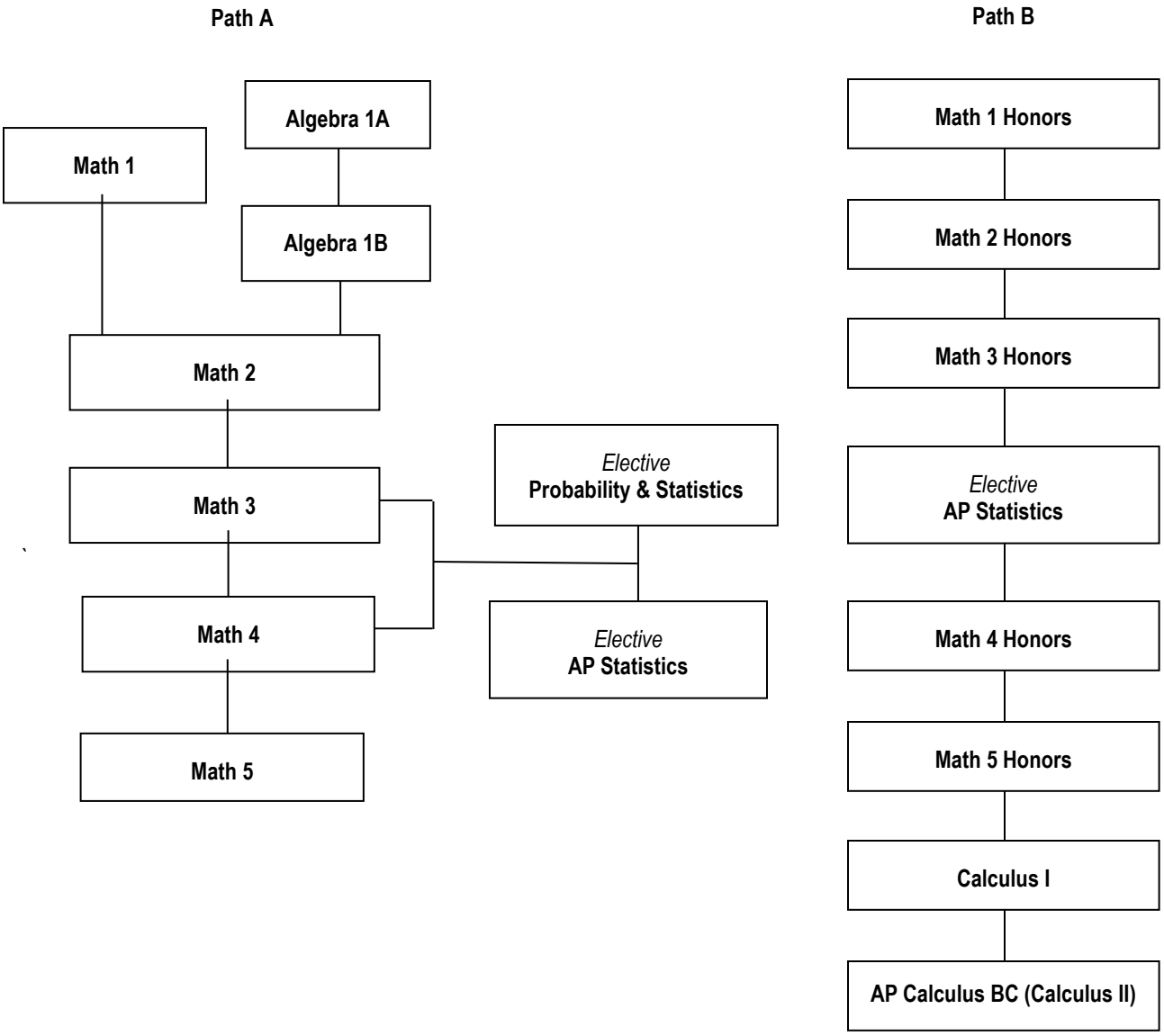
Students must work at least 450 hours per year (10-15 hours per week for one or two years) and take one credit of coursework that relates to the work experience/career path to complete the program and earn a credential from the Department of Workforce Development. The Youth Apprenticeship Coordinator will work with each student to develop a plan.

Math

Course	Title	Grade	Prerequisite	Credit
2002	**Algebra 1A**	9	Recommendation and/or testing in Grade 8	1
2004	**Algebra 1B**	9	Algebra 1A or teacher recommendation	1
2038	**Math 1**	9	Recommendation and testing in Grade 8	1
2040	**Math 2**	9,10	"C" or better in Math 1 or Algebra 1B or teacher recommendation	1
2042	**Math 3**	10,11	"C" or better in Math 2 or teacher recommendation	1
2044	**Math 4**	11,12	"C" or better in Math 3 or teacher recommendation	1
2056	**Math 5**	11,12	"C" or better in Math 4 or teacher recommendation	1
2070	**Math 1 Honors**	9	Recommendation and testing in Grade 8	1
2072	**Math 2 Honors**	9	"C" or better in Math 1 Honors or teacher recommendation	1
2074	**Math 3 Honors**	10	"C" or better in Math 2 Honors or teacher recommendation	1
2076	**Math 4 Honors**	11	"C" or better in Math 3 Honors or teacher recommendation	1
2078	**Math 5 Honors**	11	"C" or better in Math 4 Honors or teacher recommendation	1
2018	**Calculus I**	12	"C" or better in Math 5 Honors or teacher recommendation	1
2080	**AP Calculus BC (Calculus II)**	12	Calculus I or teacher recommendation	1
2060	**AP Statistics**	10,11,12	"A" in Math 3, "B" or better in Math 4, "C" or better in Math 3 Honors, or teacher recommendation	1
2023	**Probability & Statistics**	10,11,12	Math 3 or Math 3 Honors	.5

Flow chart of Math Courses

3 Credits Required for Graduation



Colleges recommend that math be taken as a senior. Below are **recommended** paths for college-bound students.

Grade	College-Bound Path
9	Math 1 (or Algebra 1A and Algebra 1B)
10	Math 2
11	Math 3
12	Math 4 and/or Probability & Statistics

Grade	STEM Focus College-Bound Path
9	Math 1
10	Math 2
11	Math 3 and Math 4
12	Math 5 and/or AP Statistics

The path below is **required** if a student wants to take Calculus. Students have the opportunity to receive college credit by taking the AP Calculus BC exam.

Grade	Path B
9	Math 1 Honors and Math 2 Honors
10	Math 3 Honors and *Elective* – AP Statistics
11	Math 4 Honors and Math 5 Honors
12	Calculus I and AP Calculus BC (Calculus II)

To best prepare a student for the ACT, the Math Department recommends completing Math 3 before taking the ACT. The data we have studied shows a strong correlation between understanding Math 1-3 concepts and scoring well on the math portion of the ACT.

2002
Algebra 1A
1 credit
Grade: 9
Prerequisite:
Recommendation and/or testing in Grade 8

Taken in conjunction with Algebra 1B, this course is an integrated algebra course that covers key concepts including functions, linear relationships, representing expressions, simplifying and solving, systems of equations, and sequences.

2004
Algebra 1B
1 credit
Grade: 9
Prerequisite:
Algebra 1A or teacher recommendation

Taken in conjunction with its prerequisite Algebra 1A, this course is an integrated algebra course that covers key concepts including modeling 2-variable data quadratic functions, exponential functions, inequalities, solving complex equations, and functions and data.

2038
Math 1
1 credit
Grade: 9
Prerequisite:
Recommendation and testing in Grade 8

This course is an integrated algebra course that focuses on the key concepts including functions, linear relationships, representing expressions, simplifying and solving, systems of equations, sequences, modeling 2-variable data quadratic functions, exponential functions, inequalities, solving complex equations, and functions and data.

2040
Math 2
1 credit
Grade 9,10
Prerequisite:
"C" or better in Math 1 or Algebra 1B or teacher recommendation

This course is an integrated geometry course that focuses on the key ideas of algebra review, graphing, ratios, right triangle trigonometry, probability, the properties of plane figures, problem solving, conjecture and argumentation along with spatial visualization.

2042
Math 3
1 credit
Grade: 10,11
Prerequisite:
"C" or better in Math 2 or teacher recommendation

This course is an integrated algebra II course that focuses on the key ideas on writing algebraic expressions to represent problems described in words, diagrams or based on data as well as knowing how and when to use algebraic or approximate methods to solve a variety of equations and inequalities. Logarithms, trigonometry, and polynomials are also introduced.

2044
Math 4
1 credit
Grade: 11,12
Prerequisite:
"C" or better in Math 3 or teacher recommendation

This course is an integrated pre-calculus course that focuses on trigonometric, exponential, logarithmic, and complex algebraic functions. It uses these functions to model real world data. Calculus topics include area under the curve and Riemann sums.

2056
Math 5
1 credit
Grade: 11,12
Prerequisite:
"C" or better in Math 4 or teacher recommendation

This integrated pre-calculus course focuses on preparing students for calculus. Continual study in algebraic operations, polynomial and rational functions, and exponential and logarithmic functions, along with rates of change, vectors, limits, parametric, polar, and trigonometric functions will be covered. Students have the option of taking the AP precalculus exam as a part of this class.

2070
Math 1 Honors
1 credit
Grade: 9
Prerequisite:
Recommendation and testing in Grade 8

This course is an integrated algebra course that focuses on the key concepts including functions, linear relationships, representing expressions, simplifying and solving, systems of equations, sequences, modeling 2-variable data quadratic functions, exponential functions, inequalities, solving complex equations, and functions and data. *The Math I Honors curriculum is enhanced with additional mathematical concepts and with a deeper investigation of core topics through written projects.* This is the first course in the path to get to AP Calculus BC.

2072
Math 2 Honors
1 credit
Grade: 9
Prerequisite:
"C" or better in Math 1 Honors or teacher recommendation

This course is an integrated geometry course that focuses on the key ideas of algebra review, graphing, ratios, right triangle trigonometry, probability, the properties of plane figures, problem solving, conjecture and argumentation along with spatial visualization. *The Math 2 Honors curriculum is enhanced with additional mathematical concepts and with a deeper investigation of core topics through written projects.*

2074
Math 3 Honors
1 credit
Grade: 10
Prerequisite:
"C" or better in Math 2 Honors or teacher recommendation

This course is an integrated algebra II course that focuses on the key ideas on writing algebraic expressions to represent problems described in words, diagrams, or based on data, as well as knowing how and when to use algebraic or approximate methods to solve a variety of equations and inequalities. Logarithms, trigonometry, and polynomials are also introduced. *The Math 3 Honors curriculum is enhanced with additional mathematical concepts and with a deeper investigation of core topics through written projects.*

2076
Math 4 Honors
Grade: 11
Prerequisite:
"C" or better in Math 3 Honors or teacher recommendation

This course is an integrated pre-calculus course that focuses on trigonometric, exponential, logarithmic, and complex algebraic functions. It uses these functions to model real world data. Calculus topics include area under the curve and Riemann sums. *The Math 4 Honors curriculum is enhanced with additional mathematical concepts and with a deeper investigation of core topics through written projects.*

2078
Math 5 Honors
1 credit
Grade: 11,12
Prerequisite:
"C" or better in Math 4 Honors or teacher recommendation

This course is an integrated pre-calculus course that focuses on preparing students for calculus. Continued study in algebraic operations, functions, systems of equations, exponents, logarithms, series, and trigonometry will be covered. Calculus topics include limits and derivatives. *The Math 5 Honors curriculum is enhanced with additional mathematical concepts and with a deeper investigation of core topics through written projects.*

2018
Calculus I
1 credit
Grade: 12
Prerequisite:
"C" or better in Math 5 Honors or teacher recommendation

This course develops calculus in an intuitive, conceptual manner. This course will focus on piecewise functions, transformations, compositions, inverses, limits and continuity, relationship between distance, velocity, and acceleration, rates of change, area under and between a curve, summation notation, curve analysis, differentiability, Riemann sums, integrals and derivatives of polynomial and trigonometric functions, Fundamental Theorem of Calculus, Newton's Method, optimization applications, and l'Hopital's Rule.

2080
AP Calculus BC (Calculus II)
1 credit
Grade: 12
Prerequisite:
Calculus I or teacher recommendation

This course, along with Calculus 1, prepares students for the AP Calculus BC test (equivalent to Calculus 2). This course will focus on derivatives and integrals of exponential, inverse trigonometric, and natural log functions, implicit differentiation, Mean Value Theorem, improper integrals, related rates applications, advanced integration techniques, differential equations, slope fields, Newton's Law of Cooling, volumes of revolution, arc length, infinite series, tests for convergence, logistic curves, areas for polar curves, as well as MacLaurin and Taylor Polynomials.

Students will have the opportunity to take the Advanced Placement Test in Calculus, which could lead to college credit. This test is approximately $98.00.

2060
AP Statistics
1 credit
Grade: 10,11,12
Prerequisite:
"A" in Math 3, "B" or better in Math 4, "C" or better in Math 3 Honors, or teacher recommendation

This is a course in statistics that covers the topics in the syllabus published by the College Board. College credit and placement depend on the individual college. The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes:

1. Exploring Data: Observing patterns and departures from patterns.
2. Planning a Study: Deciding what and how to measure.
3. Anticipating Patterns: Producing models using probability theory and simulation.
4. Statistical Inference: Confirming models.

It is for students who wish to complete studies equivalent to a one-semester, introductory, non-calculus based college course in statistics. This course will be equivalent to an introductory statistics course that is typically required for majors such as social sciences, health sciences, and business.

Students will have the opportunity to take the Advanced Placement Test in Statistics, which could lead to college credit. This test is approximately $98.00.

2023
Probability & Statistics
.5 credit
Grade: 10,11,12
Prerequisite:
Math 3 or Math 3 Honors

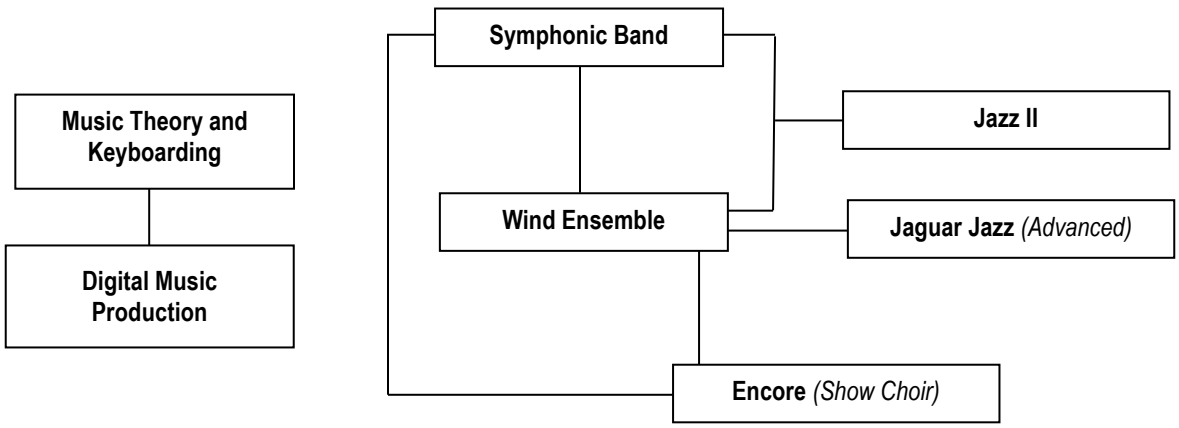
This is an introductory course in the fundamentals and application of probability, statistics, hypothesis testing, and simple game theory. Use of calculators and computers will be emphasized.

Music

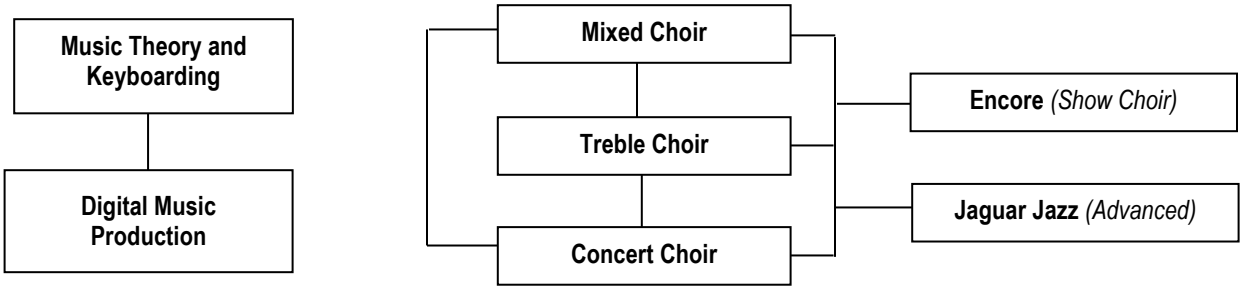
Course	Title	Grade	Prerequisite	Credit
7008	**Symphonic Band**	9,10,11	Successful completion of 8th Grade Band or director recommendation	1
7012	**Wind Ensemble** (Advanced)	10,11,12	Director recommendation	1
7017	**Jaguar Jazz** (Advanced) *(Meets outside of school day Terms 2, 3, & 4)*	9,10,11,12	Enrolled in performing musical group; Audition required	.5
7020	**Jazz Lab Band** (Intermediate) *(Meets outside of school day Terms 2, 3 & 4)*	9,10,11,12	Band member and consent of director; Audition required	.5
7023	**Digital Music Production**	9,10,11,12	Music Theory and Keyboarding	.5
7029	**Music Theory and Keyboarding** (offered 2026-27)	9,10,11,12	Enrollment in music classes or director recommendation	.5
7053	**Treble Choir**	9,10,11,12	Audition	1
7057	**Mixed Choir**	9,10,11,12	None	1
7060	**Concert Choir** (Advanced)	10,11,12	Audition or consent of director	1
7064	**Encore** (Show Choir) ***(Meets outside of school day)***	9,10,11,12	Enrolled in performing musical group; Audition required	.5

* Final music course placement is based on the director recommendation, as well as the availability of opposite courses within the block.

Flow Chart of Instrumental Music Courses



Flow Chart of Choral Music Courses



7008
Symphonic Band
1 credit
Grade: 9,10,11
Prerequisite:
Successful completion of 8th Grade Band or director recommendation
Fee: $15 Cleaning Fee, $40 Band Polo (one-time purchase), Optional School Instrument Rental Fee: $75

Symphonic Band is the introductory instrumental ensemble at the high school. Students participate in the Jaguar Marching Band, concerts, and the Solo and Ensemble Festival. Individual and small group lessons and sectionals are scheduled outside of class time. Students who wish to use a school instrument can rent one for the year. Band uniforms are provided with an annual cleaning fee of $15. Students are required to purchase a band polo their freshman year.

Symphonic Band meets daily for ½ of a block.

7012
Wind Ensemble
1 credit
Grade: 10,11,12
Prerequisite:
Director recommendation
Fee: $15 Cleaning Fee, Optional School Instrument Rental Fee: $75

Wind Ensemble is the capstone instrumental performing group at the high school. Students participate in the Jaguar Marching Band, concerts, and Solo and Ensemble festivals. Individual and small group lessons and sectionals are scheduled outside of class time. Students who wish to use a school instrument can rent one for the year. Band uniforms are provided with an annual cleaning fee of $15. Concert attire is also required and can be purchased or rented.

Wind Ensemble is a course for mature and advanced musicians. It includes studying music through performance, history, style, and form. The student will have opportunities for advanced solo and ensemble experiences.

Wind Ensemble meets daily for ½ of a block.

7017
Jaguar Jazz
(Advanced level)
.5 credit
Grade: 9,10,11,12
Prerequisite:
Enrolled in performing musical group; Audition required
Fee: Materials and some travel/attire fees

Jaguar Jazz is a performance-oriented class for the advanced instrumentalist. Improvisation and study of jazz styles, 40's swing to jazz rock, will be covered. Performance at specified activities, i.e., athletic, etc., will be required. Students get extensive performance opportunities in jazz festivals and other performances in the community. Guest clinicians and soloists are important parts of the curriculum.

Jaguar Jazz meets outside of school day Terms 2, 3, and 4 with flex scheduling.

7020
Jazz II *(Intermediate Level)*
.5 credit
Grade: 9,10,11,12
Prerequisite:
Band member and consent of director
Fee: Materials

Jazz and blues styles, improvisation, and jazz history will be covered through performance and listening. Performance at specified activities is required.

Jazz II meets outside of school day Terms 2, 3, and 4 with flex scheduling.

7023
Digital Music Production
.5 credit
Grade: 9,10,11,12
Prerequisite:
Music Theory and Keyboarding

Digital Music Production is a course that explores digital music production, composition, sequencing, loops, and recording techniques. Students will begin to understand how music is created and performed using digital music software, including Garageband and Logic Pro. This course builds upon students' knowledge in music theory and keyboarding.

7029
Music Theory and Keyboarding
.5 credit
Grade: 9,10,11,12
Prerequisite:
Enrollment in music classes or director recommendation
Fee: $20 textbook fee

Music Theory and Keyboarding skills is an introductory course to music theory, notation, and technology. It provides foundational knowledge to prepare students for digital music production and advanced theory study. The focus is on developing basic piano skills, basic notation, and an understanding of foundational music theory. It is recommended that students are currently or have had prior participation in band and or choir.

Music Theory and Keyboarding is offered every other year. It is offered school year 2026-27.

7053
Treble Choir
1 credit
Grade: 9,10,11,12
Prerequisite:
Audition or director recommendation
Fee: $15 uniform cleaning fee

This is a performance choir for the intermediate, treble voiced singer. Singing technique and music reading are stressed, moving through the basics quickly into more advanced levels. Students in this course are expected to have mature voices and display a serious attitude towards choral excellence.

Treble Choir meets daily for ½ of a block.

7057
Mixed Choir
1 credit
Grade: 9,10,11,12
No prerequisite
Fee: $15 uniform cleaning fee

This is a course for the emerging vocalist. The objectives of this class are to pursue musical excellence in vocal technique and music literacy while having fun singing cooperatively in a performing choir.

Mixed Choir meets daily for ½ of a block.

7060
Concert Choir
1 credit
Grade: 10,11,12
Prerequisite:
Audition or director recommendation
Fee: $15 uniform cleaning fee

This is a course for the mature, advanced vocalist which explores various composers and elements of music including theory, history, and style through performance. The students will have multiple performance opportunities in the community.

Concert Choir meets daily for ½ of a block.

7064
Encore *(Show Choir)*
.5 credit
Grade: 9,10,11,12
Prerequisite:
Audition and enrollment in performing musical group
Fee: $50 Activity Fee, $96 fundraising expected, costume price TBD yearly

This ensemble offers extensive performance and competition experience based on solid vocal technique. Choreography and showmanship will be included. Students will be selected by audition in vocal and dance skills and will be required to make a firm commitment to the group.

Instrumentalists will be auditioned. Stage crew members will be considered by application process each year. Participation and attendance in scheduled concerts, competitions, festivals, and rehearsals is expected of all members.

Encore meets all year, weekly during Academic Focus plus outside of the school day with flex scheduling.

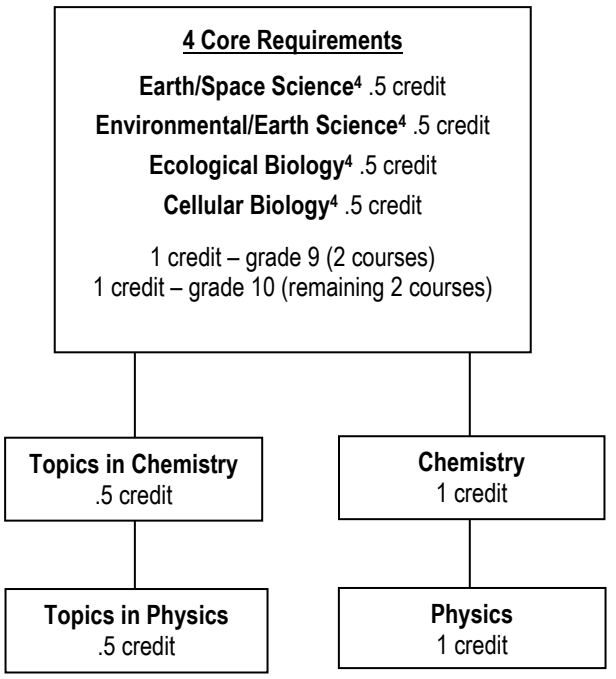
Natural Science

Course	Title	Grade	Prerequisite	Credit
3101	**Earth/Space Science[4]**	9 or 10	None	.5
3103	**Environmental/Earth Science[4]**	9 or 10	None	.5
3105	**Ecological Biology[4]**	9 or 10	None	.5
3107	**Cellular Biology[4]**	9 or 10	None	.5
3031	**Astronomy & Space Science**	9,10,11,12	Earth/Space Science[4]	.5
3039	**Conservation & Natural Resources**	9,10,11,12	Environmental/Earth Science[4]	.5
3115	**Forensic Science**	11,12	4 Core	.5
3109	**Geology of Wisconsin**	11,12	4 Core	.5
3041	**Ichthyology**	10,11,12	4 Core	.5
3018	**Anatomy & Physiology**	10,11,12	4 Core	1
3006	**Advanced Biology**	10,11,12	4 Core and "B" or better in Cellular Biology[4] and Ecological Biology[4], or instructor recommendation	1
3111	**Topics in Chemistry**	10,11,12	4 Core	.5
3008	**Chemistry**	10,11,12	4 Core and Math 3	1
3113	**Topics in Physics**	10,11,12	4 Core	.5
3012	**Physics**	10,11,12	4 Core and Math 3	1
3131	**Inorganic Chemistry**	10,11,12	Chemistry (or Chemistry 201)	.5
3133	**Organic Chemistry**	10,11,12	Chemistry (or Chemistry 201)	.5
3056	**AP Environmental Science**	11,12	4 Core and Math 1	1
3050	**AP Biology** (offered 2025-26)	11,12	Chemistry (or Chemistry 201) and "B" or better in Cellular Biology[4] and Ecological Biology[4], or instructor recommendation	1.5
3048	**AP Chemistry** (offered 2026-27)	11,12	Inorganic Chemistry or instructor recommendation	1

4 **"**4 Core" Requirements

Flow chart of Natural Science Courses
3 Credits Required for Graduation

Recommended Paths



To meet the Next Generation Science Standards (NGSS), it is recommended that students take one of the above pathways.

Electives after Environmental/Earth Science[4]:

Conservation and Natural Resources

Electives after Earth/Space Science[4]:

Astronomy & Space Science

Electives after 4 Core

Advanced Biology
Anatomy & Physiology
AP Environmental Science
Forensic Science
Geology of Wisconsin
Ichthyology

Electives after Chemistry (or Chemistry 201):

Inorganic Chemistry
Organic Chemistry
AP Biology (offered 2025-26)

Electives after Inorganic Chemistry:

AP Chemistry (offered 2026-27)

3101
Earth/Space Science[4]
.5 credit
Grade: 9 or 10
No prerequisite

Earth and Space Science is required for graduation from AHS. This course covers the transformations of energy and matter that took place from the Big Bang to Earth's formation, and the current state of our solar system. Students will also learn about waves, the electromagnetic spectrum, and the physics of planetary motion.

3103
Environmental/Earth Science[4]
.5 credit
Grade: 9 or 10
No Prerequisite

Environmental Earth Science is required for graduation from AHS. This course covers cycling of matter, Earth's natural resources, climate variation, human impact, and management of resources.

3105
Ecological Biology[4]
.5 credit
Grade: 9 or 10
No Prerequisite

Ecological Biology is required for graduation from AHS. This is an activity-based course that incorporates readings, laboratory investigations, and discussion. Students will learn about living organisms as they investigate the following themes: matter and energy cycling; energy transfer including cellular respiration and photosynthesis; human impact on the environment; ecosystem dynamics and diversity.

3107
Cellular Biology[4]
.5 credit
Grade: 9 or 10
No prerequisite

Cellular Biology is required for graduation from AHS. This is an activity-based course that incorporates readings, laboratory investigations, and discussion. Students will learn about living organisms as they investigate the following themes: organization of living things, DNA & proteins, cell division and differentiation, inheritance, and evolution.

3031
Astronomy & Space Science
.5 credit
Grade: 9,10,11,12
Prerequisite:
Earth/Space Science[4]

Astronomy and Space Science is a course open to all students. It is a course for those students who have an interest in knowing more about the night sky, learning more about the solar system, and finding out about the latest things happening at NASA. In this class, students will work with a variety of computer simulations including the Starry Night planetarium program. Current NASA missions, planetary probes, sky events, and any other astronomical happenings will be investigated. Outdoor viewing sessions are required.

3039
Conservation & Natural Resources
.5 credit
Grade: 9,10,11,12
Prerequisite:
Environmental/Earth Science[4]

Conservation and Natural Resources is a course open to all students. It is a science elective for students who have an interest in the environment and the outdoors. Topics covered in Conservation and Natural Resources will include animal population dynamics, human impacts on the soil, water, and air, as well as the management of Wisconsin's forests. Students will utilize computer simulations, such as Minecraft, as well as outdoor field studies to learn about local issues related to these topics. Students will also have the opportunity to work in the AHS greenhouse to learn about greenhouse management and growing food. *This course **may not** be accepted as a core Natural Science credit by some colleges/universities.*

3115
Forensic Science
.5 credit
Grade: 11,12
Prerequisite:
4 Core
Fee: $25.00

Forensic Science is an upper-level course integrating various concepts from Biology, Chemistry, Physics, Earth Science, Biotechnology, and Anatomy and Physiology. This lab oriented course will utilize an inquiry based approach as it explores the field of crime scene management. Topics include an introduction to forensic science, collecting and preserving evidence, analysis of evidence including fingerprints, hair, fiber analysis, ballistics, arson, poisons, drugs, blood, and DNA. Through the various units students will discuss proper collection, preservations, and laboratory analysis of the various evidence. **Sensitive topics related to crime may be discussed.**

3109
Geology of Wisconsin
.5 credit
Grade: 11,12
Prerequisite:
4 Core

Volcanoes, earthquakes and torrential floods...the Badger State has seen them all over its 2.8 billion year history. Even the selection of our state mascot has a geologic origin. Geology of Wisconsin will cover a wide variety of geologic processes and the role they played in shaping Wisconsin. Topics will include: variations in bedrock, the formation of oil and gas deposits, precious metals, local fossils you might find in Northeastern Wisconsin, groundwater chemistry, the Niagara Escarpment and the rocks and minerals you're likely to come across in the state. Students will learn to identify native geologic samples as well as those transported to Wisconsin.

3041
Ichthyology
.5 credit
Grade: 10,11,12
Prerequisite:
4 Core

Ichthyology is the study of fish biology. In this class students will learn external and internal anatomy, physiology, behaviors, communication, evolution, and taxonomy of fishes. This is done through the use of dissections and observations of live fish, such as bettas. Students will be able to identify regional fish using several mounted fish specimens in the classroom and learn how these local fisheries are managed. Additional coursework includes the analysis of human impacts on freshwater and marine ecosystems, including impacts on other animals such as dolphins and whales.

3018
Anatomy & Physiology
1 credit
Grade: 10,11,12
Prerequisite:
4 Core

Anatomy and Physiology investigates the structure and function of selected systems of the human body. The course features a laboratory-based learning environment where students discover knowledge through discussion, dissection, computer simulation, modeling, role-playing, presentation, and examination. This course is recommended for students pursuing a health care education.

3006
Advanced Biology
1 credit
Grade: 10,11,12
Prerequisite:
4 Core and "B" or better in Cellular Biology[4] and Ecological Biology[4] or instructor Recommendation

Advanced Biology is designed for students interested in gaining a deeper understanding of biology. It is recommended for students going into science-related fields. Students will study a variety of topics including cells, cellular energetics, cellular respiration, photosynthesis, the structure and function of plants and animals, heredity, and evolutionary biology.

3111
Topics in Chemistry
.5 credit
Grade: 10,11,12
Prerequisite:
4 Core

In this lab based physical science course, students will utilize technology and equipment to explore various reactions and properties of matter. Fundamental NGSS suggested standards are addressed.

3008
Chemistry
1 credit
Grade: 10,11,12
Prerequisite:
4 Core and Math 3

Chemistry is a one credit course recommended for students pursuing a career in medicine or other science related fields at the technical college or university level. It is an introductory course which provides a more in-depth, mathematical understanding of matter and its properties than Topics in Chemistry. Laboratory investigations will allow students to develop their problem-solving skills and learn about proper lab technique.

3113
Topics in Physics
.5 credit
Grade: 10,11,12
Prerequisite:
4 Core

In this lab based physical science course, students will utilize technology and equipment to explore velocity, acceleration, momentum, work, and power. Fundamental NGSS suggested standards are addressed.

3012
Physics
1 credit
Grade: 10,11,12
Prerequisite:
4 Core and Math 3

Physics is the study of interactions of matter. Students will investigate motion, forces, energy, mechanics, waves, optics, sound, and electricity at a more mathematical level than Topics in Physics. Through laboratory experimentation and the use of computer probes and simulation software, students will analyze velocity, acceleration, momentum, work, and power. This class is strongly recommended for students planning to take Math 5 or Calculus.

3131
Inorganic Chemistry
.5 credits
Grade: 10,11,12
Prerequisite:
Chemistry

This course will build upon skills and knowledge obtained in Chemistry, with an emphasis on application. Students will work on long-term research projects as well as higher level, inquiry-based laboratory investigations. Students will also be introduced to new topics such as electrochemistry, REDOX reactions, complex ion chemistry, quantitative and qualitative analysis, thermochemistry, and equilibrium chemistry.

This course is highly recommended for students pursuing a science-related or health career and is a prerequisite for AP Chemistry.

3133
Organic Chemistry
.5 credits
Grade: 10,11,12
Prerequisite:
Chemistry

This course is recommended for students planning on a science career, and/or students who are considering a medical career. This course is intended to give the student an introduction to organic chemistry and its terminology and reactions. Students will perform organic reactions and develop a comfort with organic chemistry which is often required in medical career pathways.

3056
AP Environmental Science
1 credit
Grade: 11,12
Prerequisite:
4 Core and Math 1

The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them.

Students will have the opportunity to take the Advanced Placement Test in Environmental Science, which could lead to college credit. The test is approximately $98.00.

3050
AP Biology
1.5 credits
Grade: 11,12
Prerequisite:
Chemistry and "B" or better in Cellular Biology[4] and Ecological Biology[4] or Instructor recommendation

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes - energy and communication, genetics, information transfer, ecology, and interactions. This course is fast-paced and requires a commitment to attend and participate on a daily basis.

Students will have the opportunity to take the Advanced Placement Test in Biology, which could lead to college credit. The test is approximately $98.00.

This course is offered on an alternating year basis. It will be offered school year 2025-26.

3048
AP Chemistry
1 credit
Grade: 11,12
Prerequisite:
Inorganic Chemistry or instructor recommendation

This course is designed to be the equivalent of the general chemistry course usually taken during the first year of college. Fundamental topics are covered in greater depth and with more refined concepts. AP Chemistry provides the student opportunity to get college science credit at a number of universities by scoring well on the AP Chemistry test given in May. Strong emphasis is placed on lab work, chemical calculations, and the mathematical formulation of principles. *The course is intended for students who plan post high school training in a physical science related field.* Students who take this class will be highly encouraged to take the Advanced Placement Chemistry exam. Students planning on taking AP Chemistry should check with colleges to find out the acceptance of AP credit as it varies widely from university to university.

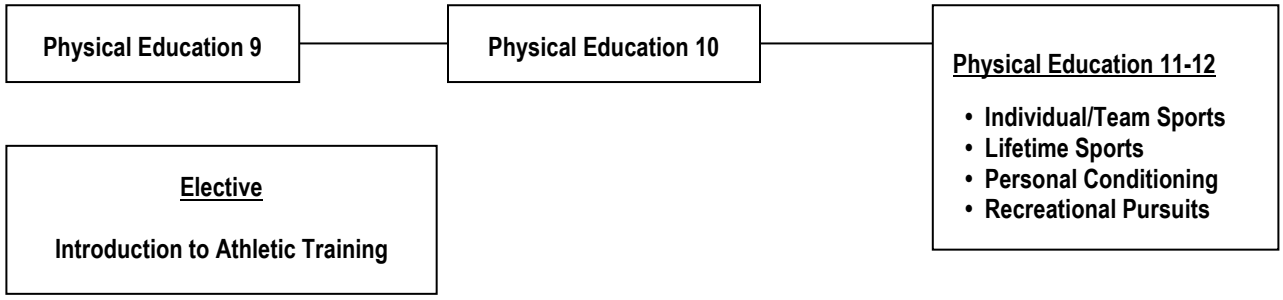
Students will have the opportunity to take the Advanced Placement Test in Chemistry, which could lead to college credit. This test is approximately $98.00.

This course is offered on an alternating year basis. It will be offered school year 2026-27.

Physical Education

Course	Title	Grade	Prerequisite	Credit
5003	**Physical Education 9** *(Basic Skills)*	9	None	.5
5005	**Physical Education 10** *(Basic Skills)*	10	Physical Education 9	.5
	Physical Education 11-12			
5013	**Individual/Team Sports**	11,12	Physical Education 10	.5
5014	**Lifetime Sports**	11,12	Physical Education 10	.5
5017	**Personal Conditioning**	11,12	Physical Education 10	.5
5016	**Recreational Pursuits**	11,12	Physical Education 10	.5
	Elective			
5025	**Introduction to Athletic Training**	11,12	Physical Education 10	.5

Flow chart of Physical Education Courses
1.5 Credits Required for Graduation



5003
Physical Education 9
.5 credit
Grade: 9
No prerequisite
Fee: Determined by bus cost, user fees and enrollment

PE 9 is a required course for all freshmen. This is a dynamic class that will lead to a greater understanding of the need for lifelong fitness and will allow for participation in a wide range of activities. Units and activities (weather dependent) covered in this course include aquatics, archery, badminton, basketball, bowling, introduction to weight training, lacrosse, touch/flag football, snowshoeing, tennis, volleyball, and fitness assessment. Students will be able to participate in these activities using state of the art equipment and innovative strategies. Students will learn about the cardiorespiratory system, bones and muscles, nutrition, and the 5 components of fitness. Innovative technology will also be used to keep track of the improvements in participants' general fitness.

5005
Physical Education 10
.5 credit
Grade: 10
Prerequisite:
Physical Education 9
Fee: Determined by bus cost, user fees and enrollment

PE 10 is a required course for all sophomores and will help lead students to lifelong fitness through a variety of indoor and outdoor activities. Units and activities (weather dependent) covered in this course are aquatic fitness, biking, bowling, cross country skiing, advance fitness concepts and resistance training, golf, pickleball, softball, soccer, floor hockey, disc sports, inline skating, table tennis, and fitness assessment. Innovative strategies and equipment will be used. Students will also learn about nutrition, heart rate training, the Heart Health Pyramid and the FITT Principle. Innovative technology will be used to keep track of the improvements in participants' general fitness.

Physical Education 11-12

One-half credit of Physical Education 11-12 is required for graduation. All courses will include fitness training and testing. Some courses will have a fee. *Students must select a primary and an alternate choice from Physical Education 11-12.*

5013
Individual/Team Sports
.5 credit
Grade: 11,12
Prerequisite:
Physical Education 10
Fee: Determined by bus cost, user fees and enrollment

This course provides students the opportunity to participate in team and individual sports in a competitive setting. Students will learn how to participate in recreational sports leagues outside of school and will learn different tournament formats. Students will also learn about sleep, recovery time, hydration, joint action of bones and muscles, nutrition, and blood pressure. Sports that will be included are aquatics, basketball, badminton, bowling, floor hockey, football, lacrosse, soccer, softball, table tennis, and volleyball.

5014
Lifetime Sports
.5 credit
Grade: 11,12
Prerequisite:
Physical Education 10
Fee: Determined by bus cost, user fees and enrollment

The course provides opportunities to experience the "life sports": the sports that encourage participation throughout your entire life. Students will also learn about sleep, recovery time, hydration, joint action of bones and muscles, nutrition, and blood pressure. Lifetime fitness units include the following indoor and outdoor activities: archery, aquatics, badminton, bowling, curling, disc golf, fitness, golf, softball, tennis, and volleyball. Here's your chance to learn skills and sports that will last you a lifetime!

5017
Personal Conditioning
.5 credit
Grade: 11,12
Prerequisite:
Physical Education 10
Fee: Determined by bus cost, user fees and enrollment

Students will be guided through a training regime that encompasses all lifestyles, athletes, and non-athletes. Students will gain skills and knowledge to design their own training program. Programs will blend weight training with functional training. TRX, Bosu, weights, stretch bands, and agility ladders are samples of equipment students will use.

This course may be taken a second time for credit.

5016
Recreational Pursuits
.5 credit
Grade: 11,12
Prerequisite:
Physical Education 10
Fee: Determined by bus cost, user fees and enrollment

Recreational Pursuits allows for students to participate in both indoor and outdoor sports and include sports that can become lifelong healthy activities. Students will also learn about sleep, recovery time, hydration, joint action of bones and muscles, nutrition, and blood pressure. Units and activities involved in this course (weather dependent) include aquatics, archery, bowling, cross country skiing, curling, fitness, pickleball, snowshoeing, and table tennis. This wide variety allows for individual and team opportunities.

Elective

5025
Introduction to Athletic Training
.5 credit
Grade: 11,12
Prerequisite:
Physical Education 10
Fee: Determined by number of students

This hands-on course will emphasize the development of fundamental skills of athletic training and the duties of the athletic trainer. Students will learn professional and administrative aspects of athletic training, basic human anatomy and physiology, basic physiology of the healing process, medical terminology, lifeguarding/aquatic safety, basic first aid/CPR, backboarding, taping and wrapping techniques, and the "how" to provide care to injuries.

Introduction to Athletic Training is an elective course that **may not** take the place of any required PE course.

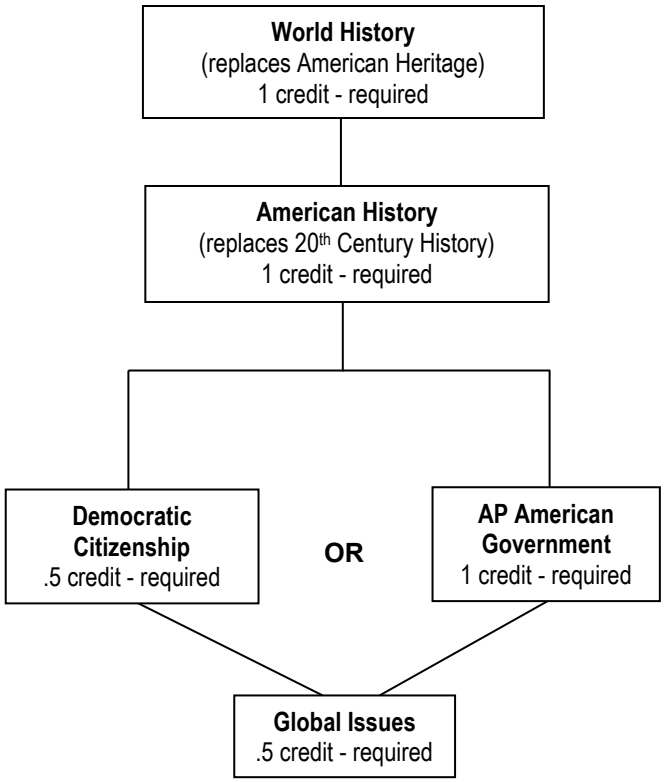
It is highly recommended that students take Anatomy & Physiology prior to this course.

Social Science

Course	Title	Grade	Prerequisite	Credit
4102	**World History** (replaces American Heritage)	9	None	1
4104	**American History** (replaces 20th Century History)	10	World History	1
4007	**Democratic Citizenship**	11,12	American History	.5
4023	**Global Issues**	11,12	American History	.5
4043	**Ancient Civilizations** (offered 2026-27)	9,10,11,12	None	.5
4037	**Law**	11,12	Democratic Citizenship or AP American Government	.5
4035	**Psychology**	10,11,12	World History	.5
4033	**Sociology**	10,11,12	World History	.5
4045	**Women's & Gender Studies**	10,11,12	American History	.5
4047	**History of American Sports** (offered 2025-26)	11,12	American History	.5
4008	**AP American Government**	11,12	"B" or better in World History and American History, and strong reading/writing skills	1
4019	**AP Macroeconomics**	11,12	Recommended "B" or better in World History and American History	.5
4012	**AP Psychology**	11,12	"B" or better in World History, American History, Cellular Biology, Ecological Biology, and strong reading/writing skills	1
4010	**AP US History**	11,12	"B" or better in World History and American History, and strong reading/writing skills	1

Flow chart of Social Science Courses
3 Credits Required for Graduation

REQUIRED



ELECTIVES

Electives with no prerequisite

Ancient Civilizations (offered 2026-27)

Electives after World History

Psychology
Sociology

Electives after American History

AP Macroeconomics
AP Psychology
AP US History
History of American Sports (offered 2025-26)
Women's & Gender Studies

Elective after Democratic Citizenship or AP American Government

Law

4102 **World History** 1 credit Grade: 9 No prerequisite	World History will focus on the economic, political, technological, and cultural development of mankind from the Renaissance through the Great Depression. The course offers an opportunity for students to make relevant connections between the past and the present-day world. This course will address content standards consistent with the Wisconsin Standards for Social Studies. (This course replaces American Heritage.)
4104 **American History** 1 credit Grade: 10 Prerequisite: World History	American History will include the major political, economic, social, and cultural developments of the 20th century with emphasis on the role of the U.S. in world events. This course will cover WWII through the 9/11 attack. This course will address content standards consistent with the Wisconsin Standards for Social Studies. (This course replaces 20th Century History.)

4007
Democratic Citizenship
.5 credit
Grade: 11,12
Prerequisite:
American History

This required course is designed to prepare students to be informed and competent citizens. The primary emphasis is on the rights and responsibilities of U.S. citizenship. Students will also learn about the foundations of the U.S. system of government and the structure and function of the three branches of government in our federal system. National, state, and local levels of government, as well as court decisions and current issues, will be addressed. *AP American Government also satisfies this requirement.*

4023
Global Issues
.5 credit
Grade: 11,12
Prerequisite:
American History

In this required course, students will research and analyze current issues with global dimensions. They will view events from different viewpoints, deal with concepts of change and interdependence, and understand the rights and responsibilities of participation in the global community. The course will center on the following themes: global problems/solutions, the role of the United Nations and other global institutions, globalization of economies, foreign policy/conflict/conflict management, human rights, and the role of technology now and in the future.

4043
Ancient Civilizations
.5 credit
Grade: 9,10,11,12
No prerequisite

In this course, students will explore the many aspects of the various world civilizations, for the earliest civilizations that originated before 2300 B.C. to those that ruled the world in A.D. 1500. A broad range of cultural elements, including art, architecture, religion, education, family life, and roles of women in each civilization are addressed. Additionally, at various points in this course, events or achievements from certain civilizations will be showcased.

This course is offered on an alternating year basis. It will be offered school year 2026-27.

4037
Law
.5 credit
Grade: 11,12
Prerequisite:
AP American Government
or Democratic Citizenship

This course will provide students practical information and problem-solving opportunities that develop the knowledge and skills necessary for survival in our law-saturated society. The course will include units on constitutional law, civil law, and criminal law.

4035
Psychology
.5 credit
Grade: 10,11,12
Prerequisite:
World History

Psychology is the study of individual human behavior. Students will develop an understanding of psychology as a field of scientific study and inquiry. The course covers psychological research methods, two major theories of human development, and some underlying issues of abnormal behavior. Students will examine their own behavior and development in relation to the major concepts.

4033
Sociology
.5 credit
Grade: 10,11,12
Prerequisite:
World History

Sociology is the social science that studies human society and social behavior. The course is designed to promote a basic understanding of society, culture, and group behavior and the sociological imagination. This course will also encourage students to both evaluate and understand other cultures in order to become better global citizens.

4045
Women's & Gender Studies
.5 credit
Grade: 10,11,12
Prerequisite:
American History

Students will explore the important historical contributions of women, past and present, in addition to the men they specifically studied in American Heritage and 20th Century History. The course will especially focus on those who have broken down barriers, promoted reform, or have given expression to women's and men's viewpoints. They will study women's and men's roles, past and present, through their own writings and artistic expressions including analysis of contemporary literature. The class will discuss and debate ideas, issues, and concerns of women and men worldwide, and will identify positive role models and viewpoints for today and for the future.

4047
History of American Sports
.5 credit
Grade: 11,12
Prerequisite:
American History

This course will examine the development and significance of sports (professional and amateur) throughout American history. This will include an examination of societal, cultural, and economic issues and the intersection of sports with major US events. Topics addressed may include the origin of American sports (i.e. baseball, college sports, boxing), modern issues (i.e. gambling, commercialization, globalization, politicization, youth sports), and the collision of historical events and sports (i.e. the Gilded Age, World War I, the Great Depression, World War II, Vietnam, and 9/11). This course will address content standards consistent with the Wisconsin Standards for Social Studies

This course is offered on an alternating year basis. It will be offered school year 2025-26.

4008
AP American Government
1 credit
Grade: 11,12
Prerequisite:
"B" or better in World History and American History and strong reading/ writing skills

This course is a college-level American Government course which satisfies the Ashwaubenon High School Democratic Citizenship graduation requirement. It will give students an analytical perspective on government and politics in the United States. The course involves both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies.

At the completion of the course, students will have the opportunity to take an Advanced Placement Test which could lead to three college credits in political science. This test is approximately $98.00.

4019
AP Macroeconomics
.5 credit
Grade: 11,12
Prerequisite:
Recommend "B" or better in World History and American History

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.

Students will have the opportunity to take the Advanced Placement Test in Macroeconomics, which could lead to college credit. The test is approximately $98.00**.**

4012
AP Psychology
1 credit
Grade: 11,12
Prerequisite:
"B" or better in World History, American History, Cellular Biology, Ecological Biology, and strong reading/writing skills
Fee: Textbook purchase

This course is a college level psychology course. It will give students a systematic and scientific outlook on behavioral and mental processes as they relate to humans. Students will also learn facts, principles, and phenomena associated with each of the major subfields contained within the study of psychology. This course is designed to provide students with the skills necessary to analyze various viewpoints in the field of psychology and assess the validity of these perspectives.

At the completion of this course, students will have the opportunity to take an Advanced Placement Test which could lead to three college credits in psychology. This test is approximately $98.00.

Students must purchase a textbook for this class. Online or hard copy versions are acceptable.

4010
AP US History
1 credit
Grade: 11,12
Prerequisite:
"B" or better in World History and American History, and strong reading/ writing skills

AP US History is the equivalent of a full-year college introductory course. It includes elements of cultural, intellectual, and social as well as political-constitutional and diplomatic history. This course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with problems and multi-source materials in US History.

Students will have the opportunity to take the Advanced Placement Test in US History, which could lead to college credit. This test is approximately $98.00.

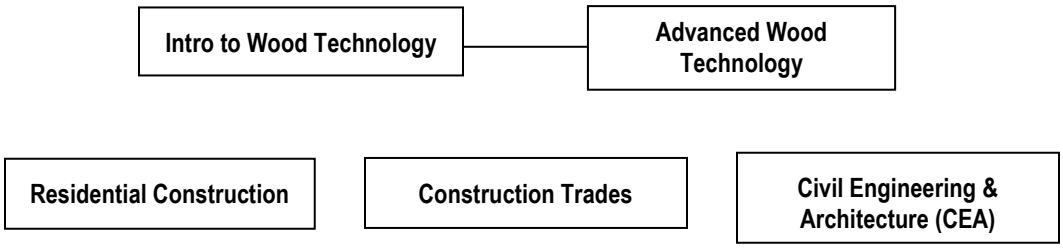
Technology & Engineering Education

Course	Title	Grade	Prerequisite	Credit
ARCHITECTURE AND CONSTRUCTION PATHWAY				
7577	**Introduction to Wood Technology**	9,10,11,12	None	.5
7579	**Advanced Wood Technology**	9,10,11,12	Introduction to Wood Technology	.5
7583	**Residential Construction***	9,10,11,12	None	.5
7585	**Construction Trades**	9,10,11,12	None	.5
7518	**Civil Engineering & Architecture - PLTW Δ**	9,10,11,12	None	1
MANUFACTURING PATHWAY				
7601	**Shielded Metal Arc Welding (SMAW)***	9,10,11,12	None	.5
7603	**Gas Metal Arc Welding (GMAW)***	9,10,11,12	None	.5
7605	**Gas Tungsten Arc Welding (GTAW)**	9,10,11,12	SMAW or GMAW	.5
7611	**Computer Integrated Manufacturing (CIM)**	9, 10,11,12	None	.5
7613	**Automation & Electronics***	9,10,11,12	None	.5
SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS PATHWAY				
7512	**Intro to Engineering Design - PLTW Δ**	9,10,11,12	None	1
7564	**Principles of Engineering ES - PLTW Δ**	9,10,11,12	None, yet Math 1 recommended	1
7568	**Engineering Design & Dev - PLTW Δ**	10,11,12	IED, POE, or CEA	1
7537	**Power Systems**	9,10,11,12	None	.5
TRANSPORTATION, DISTRIBUTION, AND LOGISTICS PATHWAY				
7557	**Car Care**	9,10,11,12	None	.5
7559	**Automotive Service Technician**	9,10,11,12	Car Care	.5

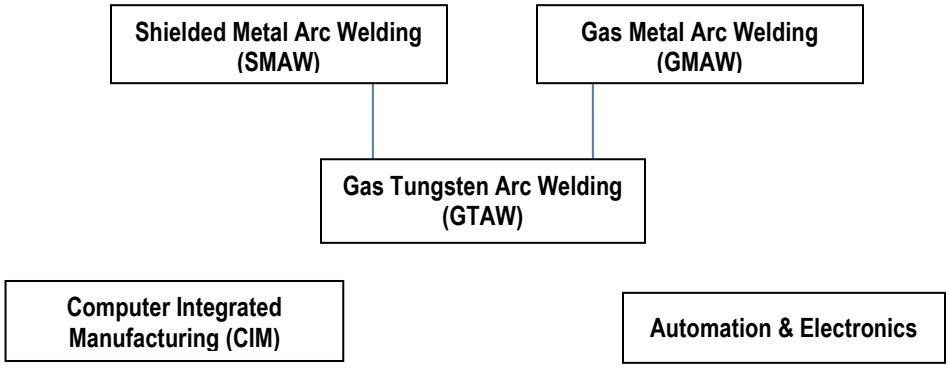
*** NWTC transcribed course**
Δ Potential advanced standing at University of Wisconsin system schools

PLTW denotes Project Lead The Way. For more information see page vi in the beginning of this booklet.

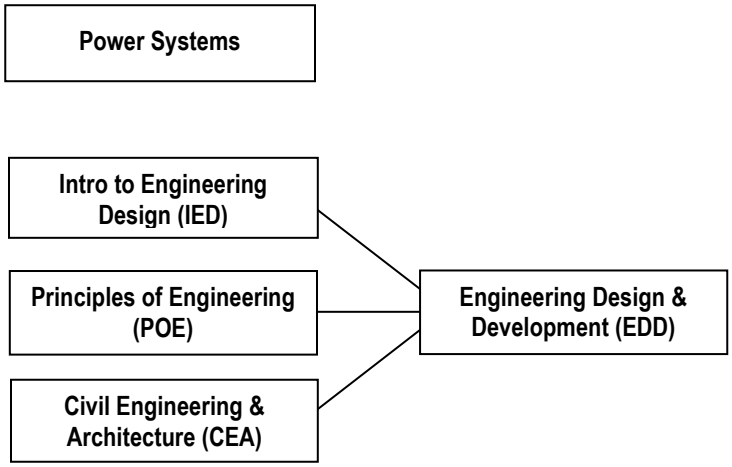
Flow chart of Architecture and Construction Courses



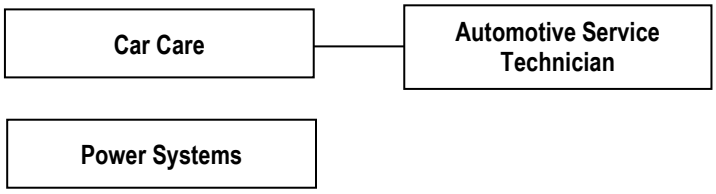
Flow chart of Manufacturing Courses



Flow chart of Science, Technology, Engineering, and Mathematics Courses



Flow chart of Transportation, Distribution, and Logistics Courses



7577
Introduction to Wood Technology
.5 credit
Grade: 9,10,11,12
No prerequisite
Fee: $60.00
Safety eyewear is required

Introduction to Wood Technology takes a look at the importance of the lumber industry and careers related to it, while giving students hands-on experiences typical of those who work in the field. Other areas that will be covered are measurement and layout, safe and correct use of tools and machines, and product fabrication, assembly, and finishing. Typical projects include: longboard, nightstand, and Adirondack chair.

7579
Advanced Wood Technology
.5 credit
Grade: 9,10,11,12
Prerequisite:
Intro to Wood Tech
Fee: Varies by project
Safety eyewear is required

Students will use the skills learned in Introduction to Wood Technology to build more advanced projects with less direction from the instructor. Students will be able to choose from a number of projects provided by the instructor such as a coffee table, Adirondack chair, bookcase, apothecary cabinet, wall cabinet, or shaker bench. Students will also create a wood art project as part of the class requirements. Planning a project and calculating cost and material usage will be additional skills learned in this class.

Students may take this course a second time and will choose their own project, create a portfolio of the project, and build the project with minimal assistance from the instructor.

7583
Residential Construction
.5 credit
Grade: 9,10,11,12
No prerequisite
Fee: $15.00
Safety eyewear required

Residential Construction is the study of the four major systems (Foundation, Floor System, Wall System, Roof System) of a residential building project. Students will build a residential construction model based off of a floor plan and blueprints. Students will also learn about basic safety, construction math, hand tools, power tools, communication skills, employability skills, and material handling. Students will have the opportunity to obtain NCCER certification with successful completion of performance and written tests.

7585
Construction Trades
.5 credit
Grade: 9,10,11,12
No prerequisite
Fee: $15.00
Safety eyewear required

Students interested in taking Construction Trades will get hands-on experiences in the trade careers associated with the construction industry. Construction trades careers and areas to be explored will include electrician, plumber, mason, roofer, finish carpenter, HVAC, estimator, flooring, interior and exterior wall coverings, insulation, excavation, and landscaping. Students will have the opportunity to obtain NCCER certification with successful completion of performance and written tests.

7518
Civil Engineering & Architecture (CEA) – PLTW
1 credit
Grade: 9,10,11,12
No prerequisite

In this course, students learn important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects using Autodesk Revit. In addition, the course studies the architecture of Frank Lloyd Wright. Typical projects include Habitat for Humanity, Community Fire Station, and truss/bridge structure design challenges.

7601
Shielded Metal Arc Welding (SMAW)
.5 credit
Grade: 9,10,11,12
No prerequisite
Fee: $25.00
Safety eyewear required

This course provides the opportunity for the student to obtain the knowledge and skills to complete stick welding in the flat and horizontal positions on mild steel. No prior knowledge of welding is needed. Students will complete a project that can be taken home.

Juniors and seniors earning a "C" or better in SMAW may receive transcribed credit at NWTC.

This course may be taken a second time for high school credit, yet NWTC transcribed credit is awarded only once.

7603
Gas Metal Arc Welding (GMAW)
.5 credit
Grade: 9,10,11,12
No prerequisite
Fee: $25.00
Safety eyewear is required

This course provides the opportunity for the student to obtain the knowledge and skills to complete wire feed (MIG) welding in the flat and horizontal positions on mild steel. No prior knowledge of welding is needed. Students will complete a project that can be taken home.

Juniors and seniors earning a "C" or better in GMAW may receive transcribed credit at NWTC.

This course may be taken a second time for high school credit, yet NWTC transcribed credit is awarded only once.

7605
Gas Tungsten Arc Welding (GTAW)
.5 credit
Grade: 9,10,11,12
Prerequisite: SMAW or GMAW
Fee: $25.00
Safety eyewear is required

This course provides the opportunity for the student to develop the knowledge and skills to properly set-up GTAW (TIG) welding equipment and the basic skills needed to make welds on mild steel. Weld quality will be discussed but this course is only used to understand the basics of the GTAW process. It is recommended that students take both SMAW and GMAW before taking GTAW.

7611
Computer Integrated Manufacturing (CIM)
.5 credit
Grade: 9,10,11,12
No prerequisite
Fee: $40.00
Safety eyewear is required

This course provides an introduction to careers in manufacturing where students create projects using computer aided drawing (CAD), computer aided machining (CAM), and 3D printing (Rapid Prototyping) technologies. The Beaux Mettler Innovation Center facilities feature state of the art equipment such as: HAAS machining center, Makerbot printers, and the NWTC CNC mobile lab training center. Typical projects include student designed 3D prints, decorative signs, CNC milled belt buckle, and race car part creation.

Students choosing to take CIM a second time will choose their own project, create a portfolio of the project, and build the project with minimal assistance from the instructor.

7613
Automation & Electronics
.5 credit
Grade: 9,10,11,12
No prerequisite

Automation & Electronics is designed to explore two different subjects that are related. In the DC electronics portion of the class, students will be introduced to the concepts of DC electricity and simple series and parallel circuits. Voltage, current, resistance, Ohm's Law, power, and Kirchoff's Law are defined. Students will also become familiarized with the use of a multimeter for testing and troubleshooting circuits.

In the automation portion of the class, students will be introduced to electric motor control components such as switches, relays, starters, and transformers. Students will also learn how to safely mount and install motor and motor control components and perform related wiring and troubleshooting of motor control circuits.

Students may take this course a second time for credit.

Sophomores, juniors and seniors earning a "C" or better in Automation & Electronics may receive transcribed credit at NWTC.

7512
Intro to Engineering Design (IED) - PLTW
1 credit
Grade: 9,10,11,12
No prerequisite
Fee: $15.00

Introduction to Engineering Design is the first class in the Project Lead the Way curriculum and uses a design development process while enriching problem solving skills. Students create and analyze models using Autodesk Inventor. Typical modeling projects include: toy miniature train, Automoblox car, and fat tire off road bicycle.

7564
Principles of Engineering ES (POE) - PLTW
1 credit
Grade: 9,10,11,12
No prerequisite
Math 1 recommended
Fee: $15.00

This course is designed to help students understand the field of engineering and engineering technology. Exploring various technology systems and manufacturing processes helps students learn how engineers and technicians use math, science, and technology in an engineering problem solving process to benefit people. Typical projects students will design and create include a compound machine, renewable insulation, marble sorter, and self-propelled vehicle. The course also includes concerns about social and political consequences of technological change.

Students earn Natural Science credit with this course.

7568
Engineering Design & Dev (EDD) - PLTW
1 credit
Grade: 10,11,12
Prerequisite:
IED, POE, or CEA
Fee: $15.00
Safety eyewear is required

Engineering Design & Development is an engineering research course where students work in teams to research, design, and construct a solution to an engineering problem. Students apply skill sets developed in preceding technology and engineering courses. Former student projects include energy efficient car challenge, outdoor hunting/fishing innovations, and athletic training equipment.

7537
Power Systems
.5 credit
Grade: 9,10,11,12
No prerequisite
Fee: $15.00
Safety eyewear is required

This hands-on learning course introduces students to small gas engines, electric vehicles, basic hydraulics/pneumatics, and renewable energies. Typical projects include lawn mower repair, electric scooter repair, electric racing go kart, solar charging unit, small engine rebuilding, electric vehicle construction, and solar/wind technologies.

7557
Car Care
.5 credit
Grade: 9,10,11,12
No prerequisite
Fee: $15.00
Safety eyewear is required

This course is for the student who wants to know how their automobile works, how to purchase one, and how to maintain it. Topics will include basic repairs and what to do in emergency situations on the road (changing a tire, jumpstarting, etc.). This course is taught with instructor supervision to help students feel confident with their repairs. No prior automotive experience is necessary. Students do not need to have a driver's license or access to a vehicle for the class.

7559
Automotive Service Technician
.5 credit
Grade: 9,10,11,12
Prerequisite:
Car Care
Fee: $15.00
Safety eyewear is required

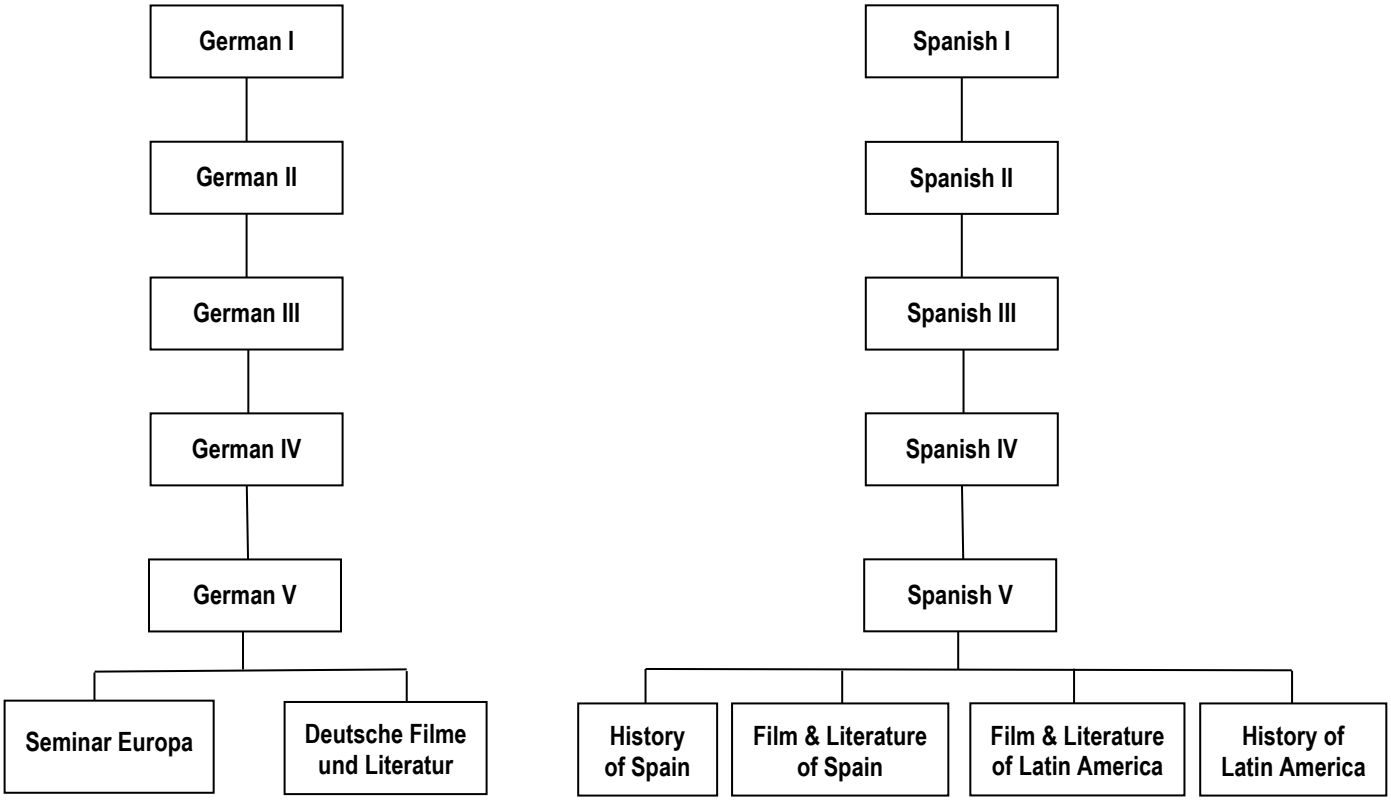
This course helps prepare students for entry into the automotive service field by further developing the skills previously learned in Car Care. Students will learn basic/advanced automotive system theory/repairs. Typical skills students will learn: basic brake, wheel, suspension, exhaust, and lubrication service. Students do not need to have a driver's license or access to a vehicle for the class.

World Language

Course	Title	Grade	Prerequisite	Credit
GERMAN				
5502	**German I**	9,10,11,12	None	1
5504	**German II**	9,10,11,12	German I	1
5506	**German III**	9,10,11,12	German II	1
5508	**German IV**	9,10,11,12	German III	1
5510	**German V**	9,10,11,12	German IV	1
5514	**Seminar Europa** (offered 2026-27)	10,11,12	German V	1
5516	**Deutsche Filme und Literatur** (offered 2025-26)	10,11,12	German V	1
SPANISH				
5702	**Spanish I**	9,10,11,12	None	1
5704	**Spanish II**	9,10,11,12	Spanish I	1
5706	**Spanish III**	9,10,11,12	Spanish II	1
5708	**Spanish IV**	9,10,11,12	Spanish III	1
5710	**Spanish V** *conversación de temas culturales*	9,10,11,12	Spanish IV	1
5726	**Film & Literature of Spain** (offered 2025-26)	10,11,12	Spanish V	1
5728	**Film & Literature of Latin American** (offered 2025-26)	10,11,12	Spanish V	1
5730	**History of Spain** (offered 2026-27)	10,11,12	Spanish V	1
5732	**History of Latin America** (offered 2026-27)	10,11,12	Spanish V	1

As world language classes beyond level IV are advanced courses, upon completion, many students historically have received eight to sixteen retroactive college credits. Students should consult admissions counselors for specific university policies on retroactive credits.

Flow chart of World Language Courses



5502
German I
1 credit
Grade: 9,10,11,12
No prerequisite

Deutsch macht Spass! German is fun! Students are introduced to German as it is written and spoken by young people in Germany today. Special projects are integrated with informal conversation. Students will learn to talk about themselves, their friends and family. They will learn to converse briefly in common, informal situations. The culture of German-speaking countries will also be introduced, especially the interests and activities of German teenagers.

The targeted oral proficiency level for German I is Novice Mid, based on the ACTFL scale.

5504
German II
1 credit
Grade: 9,10,11,12
Prerequisite:
German I

This course is a continuation of German I, expanding vocabulary and knowledge of grammatical structures needed for more advanced communication. Students learn to speak in more formal situations such as restaurants, stores and other public places. Topics include shopping, asking for directions, life in a German city, ordering in a cafe, movies, literature, popular music, holidays, vacationing, and health and fitness.

The targeted oral proficiency level for German II is Novice Mid/High, based on the ACTFL scale.

5506
German III
1 credit
Grade: 9,10,11,12
Prerequisite:
German II

While students continue to increase their proficiency in conversation, the focus of this course is reading. Units are based on authentic German materials including short stories, fables, poems, games, song texts, train schedules, and other documents and charts used in daily life. Materials from the AHS partner school are used whenever possible. Students are expected to communicate with the teacher and with each other in German.

The targeted oral proficiency level for German III is Novice High/Intermediate Low, based on the ACTFL scale.

5508
German IV
1 credit
Grade: 9,10,11,12
Prerequisite:
German III

Students will refine their listening and speaking skills to be able to discuss more abstract ideas including the expression of opinion, doubt, regret, conviction, resignation, and relief. Students will read about and discuss social issues as well as issues of a political and historical nature. Topics include children's literature of the 19th century, the resistance movement, stereotypes and prejudice, fairy tales, and wishes as opposed to reality. Students meet and converse with students from the AHS partner school in Germany and are encouraged to develop e-mail correspondence with young Germans. Only German will be allowed in the classroom.

The targeted oral proficiency level for German IV is Intermediate Low/Mid, based on the ACTFL scale.

5510
German V
1 credit
Grade: 9,10,11,12
Prerequisite:
German IV

With the focus on culture, students will continue improving in oral proficiency by actively and fluently using German at all times for communication. While students will refine their speaking and reading ability, there will be increased emphasis on developing good writing skills. Topics include relationships, war, government and politics, and the history of Germany 1930 to the present. The literature, film, and music of this period will be studied.

The targeted oral proficiency level for German V is Intermediate Mid/High, based on the ACTFL scale.

5514
Seminar Europa
1 credit
Grade: 10,11,12
Prerequisite:
German V

This course will continue to develop the students' speaking and writing abilities as well as expand the knowledge of culture and history. Students will explore the development of and current status of issues facing the European Community. Students will explore the history of Germany from the first through the twelfth centuries and learn about four of the main architectural styles found in Europe. The objective is to communicate appropriately in a formal situation on an adult level in German.

The targeted oral proficiency level for Seminar Deutsch is Intermediate Mid/High, based on the ACTFL scale.

This course is offered on an alternating year basis. It will be offered school year 2026-27.

5516
Deutsche Filme und Literatur
1 credit
Grade: 10,11,12
Prerequisite:
German V

In this course, a variety of themes are explored through the use of original German films and text. Students will practice listening and reading skills as well as speaking and writing skills. Students will also develop a better understanding of cultural differences. The objectives of this course are to expand the students' knowledge of culture and the language along with improving speaking abilities to progress to intermediate mid/high level of proficiency.

The targeted oral proficiency level for Deutsche Filme und Literatur is Intermediate Mid/High, based on the ACTFL scale.

This course is offered on an alternating year basis. It will be offered school year 2025-26.

5702
Spanish I
1 credit
Grade: 9,10,11,12
No prerequisite
Fee: Reader purchase
Approximately $15.00

The primary objective of the first level is to teach students the basics of Spanish necessary in understanding, speaking, reading, and writing the language. The culture and geography of Spanish-speaking countries are studied.

The targeted oral proficiency level for Spanish I is Novice Mid, based on the ACTFL scale.

5704
Spanish II
1 credit
Grade: 9,10,11,12
Prerequisite:
Spanish I ("C-" or better strongly recommended)
Fee: Reader purchase
Approximately $15.00

This course is a continuation of Spanish I, expanding on vocabulary and grammatical structures needed for more advanced communication. All Spanish II students are expected to speak Spanish in and out of class. Course work includes topics such as recreational activities, daily routine, clothing, food, and household chores. Geography and culture are included in this course. Students will read a brief novel which includes the geography and culture of Latin America. The novel also supports the vocabulary and grammatical structures taught in Spanish II.

The targeted oral proficiency level for Spanish II is Novice Mid/High, based on the ACTFL scale.

5706
Spanish III
1 credit
Grade: 9,10,11,12
Prerequisite:
Spanish II ("C-" or better strongly recommended)
Fee: Reader purchase
Approximately $15.00

In this course, students increase their command of vocabulary through advanced grammatical structures. The goal is to increase oral proficiency in conversation and to further develop reading, writing and listening skills. The students are expected to communicate in Spanish in and out of class. Cultural studies are continued. Students will view a video series which supports the vocabulary and grammar taught. The students will also read a brief novel which focuses on the culture of Mexico and supports the vocabulary and the grammatical structures taught in Spanish III.

The targeted oral proficiency level for Spanish III is Novice High/Intermediate Low, based on the ACTFL scale.

5708
Spanish IV
1 credit
Grade: 9,10,11,12
Prerequisite:
Spanish III ("C-" or better strongly recommended)
Fee: Reader purchase
Approximately $15.00

This course is designed to help students develop oral fluency in everyday situations. Students will not be permitted to speak English in the classroom. Only Spanish will be allowed in the classroom. Advanced grammar and vocabulary will be presented in Spanish. Vocabulary for everyday use is emphasized through logical, thematic units of study. Examples of these units include vacations, transportation, hotel accommodations, restaurants, household chores, medical situations, and employment. Cultural studies are continued by means of exploring authentic literature. Students will read short stories written by Hispanic authors. The readings reflect the grammatical structures taught in Spanish III and IV.

The targeted oral proficiency level for Spanish IV is Intermediate Low/Mid, based on the ACTFL scale.

5710
Spanish V
conversación de temas culturales
1 credit
Grade: 9,10,11,12
Prerequisite:
Spanish IV ("C-" or better strongly recommended)
Fee: Reader purchase Approximately $15.00

Students will continue to study and refine the major grammatical concepts through the use of all four communication skills - reading, writing, listening and speaking. Spanish will be used at all times. The goal of the course will be to actively use Spanish to communicate with both native and non-native speakers. This will take place in class (through interaction with classmates and use of authentic video and audio materials) and in the community (through guest speakers and field trips). Students will explore cultural topics and current issues in the world. Active participation is required to be successful.

The targeted oral proficiency level for Spanish V is Intermediate Mid/High, based on the ACTFL scale.

5726
Film & Literature of Spain
1 credit
Grade: 10,11,12
Prerequisite:
Spanish V ("C-" or better strongly recommended)
Fee: Reader purchase Approximately $15.00

This course provides a cultural and historical overview of Spain. The class begins with feature films and documentaries that focus on the cultural aspects of Spanish society, such as national and regional identities, immigration, gender issues, and socio-political concerns as students develop a complete appreciation for the complex world which is Spain. Works from the AP reading list will be incorporated throughout the course.

The targeted oral proficiency level: Intermediate Mid/High, based on the ACTFL scale

This course is offered on an alternating year basis. It will be offered school year 2025-26.

5728
Film & Literature of Latin America
1 credit
Grade: 10,11,12
Prerequisite:
Spanish V ("C-" or better strongly recommended)
Fee: Reader purchase Approximately $15.00

This course provides a cultural and historical overview of Latin America. The class begins with feature films and documentaries that focus on historical and contemporary issues of cultural, socio-economic and philosophical relevance. There is an analytical focus on indigenous issues, religion, race relations, gender issues and socio-political concerns as students develop a complete appreciation of the complex world which is Latin America. Works from the AP reading list will be incorporated throughout the course.

The targeted oral proficiency level: Intermediate Mid/High, based on the ACTFL scale

This course is offered on an alternating year basis. It will be offered school year 2025-26.

5730
History of Spain
1 credit
Grade: 10,11,12
Prerequisite:
Spanish V ("C-" or better strongly recommended)
Fee: Reader purchase Approximately $15.00

This course is a survey of the geography, history, literature and art of Spain. The course covers the early history of Spain beginning with Neanderthal man and concludes with modern Spain. Study will include the major artists and authors of Spain and how they have been influenced by the history of their country.

The targeted oral proficiency level: Intermediate Mid/High, based on the ACTFL scale

This course is offered on an alternating year basis. It will be offered school year 2026-27.

5732
History of Latin America
1 credit
Grade: 10,11,12
Prerequisite:
Spanish V ("C-" or better strongly recommended)
Fee: Reader purchase Approximately $15.00

This course is a survey of the geography, history, literature and art of Latin America. The course covers the early history of Latin America beginning with a study of indigenous groups and concluding with modern day Latin America. Also included is a study of the major artists and authors from Latin America and how they have been influenced by the history of their countries.

The targeted oral proficiency level: Intermediate Mid/High, based on the ACTFL scale

This course is offered on an alternating year basis. It will be offered school year 2026-27.

Master Course Listing

Art
6090 AP Art & Design
6026 Art & Design
6055 Art Metals
6057 Ceramics
6045 Digital Photography
6059 Drawing
6065 Illustrator Fundamentals
6061 Painting
6063 Photoshop Fundamentals
6053 Sculpture
6071 Studio Art – Art Metals
6073 Studio Art – Ceramics
6075 Studio Art – Digital Photo
6077 Studio Art – Drawing
6079 Studio Art – Illustrator
6081 Studio Art – Painting
6083 Studio Art – Photo Shop
6085 Studio Art – Sculpture

Business/Marketing
6725 Academic, Career & Financial Planning
6554 Accounting I
6556 Accounting II
6729 Advanced Marketing
6709 Advert & Small Business Mgmt
6519 Entrepreneurship
6511 Information Processing
6719 International Business
6501 Introduction to Business
6703 Marketing
6515 Microsoft Office I
6517 Microsoft Office II
6717 Money & Investing
6727 Real World Readiness
7825 School-to-Work
6711 Sports Marketing

Computer Science
6864 AP Computer Science A (2026-27)
6862 AP Computer Science Principles (2025-26)
6848 Computer Science Essentials

English
1112 AP Language & Comp
1114 AP Literature & Comp
1021 Classical Mythology
1043 Creative Writing
1102 English 1
1104 English 1 Honors
1106 English 2
1108 English 2 Honors
1110 English 3

English cont'd
1039 Grammar & Writing Skills
1045 Public Speaking
1035 Science Fiction & Fantasy

Family & Consumer Sciences
6951 Assistant Child Care Teacher
6957 Contemporary Health Care Practices/Digital Literacy for Health Care
6919 Creative Clothing & Sewing
6901 Culinary I
6903 Culinary II
6905 Culinary III
6941 Intro to Health Care Careers
6949 Life's Issues
6943 Medical Terminology

Health Education
5050 Health

Interdisciplinary Courses
5135 Nursing Assistant
7825 School-to-Work
5150 Theatre Arts
7970 Youth Apprenticeship Work

Math
2002 Algebra 1A
2004 Algebra 1B
2080 AP Calculus BC (Calculus II)
2060 AP Statistics
2018 Calculus I
2038 Math 1
2070 Math 1 Honors
2040 Math 2
2072 Math 2 Honors
2042 Math 3
2074 Math 3 Honors
2044 Math 4
2076 Math 4 Honors
2056 Math 5
2078 Math 5 Honors
2023 Probability & Statistics

Music
7060 Concert Choir
7023 Digital Music Production
7064 Encore
7017 Jaguar Jazz
7020 Jazz II
7057 Mixed Choir
7029 Music Theory & Keyboarding (2026-27)
7008 Symphonic Band
7053 Treble Choir
7012 Wind Ensemble

Natural Science
3006 Advanced Biology
3018 Anatomy & Physiology
3050 AP Biology (2025-26)
3048 AP Chemistry (2026-27)
3056 AP Environmental Science
3031 Astronomy & Space Science
3107 Cellular Biology[4]
3008 Chemistry
3039 Conservation & Natural Res
3101 Earth/Space Science[4]
3105 Ecological Biology[4]
3103 Environmental/Earth Science[4]
3115 Forensic Science
3109 Geology of Wisconsin
3041 Ichthyology
3131 Inorganic Chemistry
3133 Organic Chemistry
3012 Physics
3111 Topics in Chemistry
3113 Topics in Physics

Physical Education
5013 Individual/Team Sports
5025 Intro to Athletic Training
5014 Lifetime Sports
5017 Personal Conditioning
5003 Phys Ed 9
5005 Phys Ed 10
5016 Recreational Pursuits

Social Science
4104 American History
4043 Ancient Civilizations (2026-27)
4008 AP American Government
4019 AP Macroeconomics
4012 AP Psychology
4010 AP US History
4007 Democratic Citizenship
4023 Global Issues
4047 History of American Sports (2025-26)
4037 Law
4035 Psychology
4033 Sociology
4045 Women's & Gender Studies
4102 World History

Technology & Engineering Education
7579 Advanced Wood Tech
7613 Automation & Electronics
7559 Automotive Service Technician
7557 Car Care
7518 Civil Engineering & Architecture

Technology & Engineering Education cont'd

7611 Computer Integrated Manufacturing
7585 Construction Trades
7568 Engineering Design & Dev
7603 Gas Metal Arc Welding
7605 Gas Tungsten Arc Welding
7512 Intro to Engineering Design
7577 Intro Wood Tech
7537 Power Systems
7564 Principles of Engineering ES
7583 Residential Construction
7601 Shielded Metal Arc Welding

World Language - German

5516 Deutsche Filme und Literatur (2025-26)
5502 German I
5504 German II
5506 German III
5508 German IV
5510 German V
5514 Seminar Europa (2026-27)

World Language - Spanish

5728 Film & Lit of Latin America (2025-26)
5726 Film & Lit of Spain (2025-26)
5732 History of Latin America (2026-27)
5730 History of Spain (2026-27)
5702 Spanish I
5704 Spanish II
5706 Spanish III
5708 Spanish IV
5710 Spanish V

Link to Ashwaubenon School District Policy 2260 Nondiscrimination and Access to Equal Educational Opportunity:
http://go.boarddocs.com/wi/ashsd/Board.nsf/goto?open&id=CHVQ9Y682BC6

ASHWAUBENON

HIGH SCHOOL

ASHWAUBENON SCHOOL DISTRICT