



2025 - 2026

# Course Guide

Waterford Union High School



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Waterford Union High School  
611 W. Main Street  
Waterford, Wisconsin 53185  
(262) 534-3189  
Student Services Office Fax: (262) 534-5133

Cover designed by Elizabeth Frank

## COURSE OFFERINGS 2025 - 2026

### AGRICULTURE

- Agriscience
- Natural Resources - ES •
- Veterinary Pet Care •
- Large Animal Veterinary Science •
- Home Gardening & Horticulture (26-27)•
- Greenhouse Management (25-26)•
- Landscape Design •
- Biotechnology & Bioenergy•
- Advanced Leadership •
- Summer Research Scholars •
- Agribusiness & Marketing •

### ART

- Studio Art 360 •
- Drawing & Painting •
- Ceramics •
- Mixed Media Art & Sculpture •
- Digital Photography •
- Adv. Digital Photography •
- Advanced Drawing •
- Illustration: Computer & Other Media •
- Advanced Ceramics •
- Stained Glass •
- Advanced Painting •
- AP Art
- Advanced Stained Glass •
- Individualized Art •
- Movie Making & Video Production •

### BUSINESS & INFORMATION TECHNOLOGY

- Introduction to Business •
- Personal Financial Literacy •
- Business Law •
- Web Design 1 •
- Computer Apps/Business •
- Accounting 1 \* •
- Marketing •
- Video Game Development •
- Accounting 2

### DRIVERS EDUCATION

- Drivers Ed •

### ENGLISH

- Honors English 9
- English 9
- Drama •
- Acting •
- Theater Production •
- Theatrical Costume & Makeup (2026-27) •
- Honors English 10
- English 10
- Speech •
- Technical Theater(25-26) •
- Composition •
- Honors Composition •
- Writing for the Workplace •
- American Literature •
- Honors American Literature •
- Sports Literature & Writing •
- English Literature •
- Multicultural Literature •

- Classics of Horror •
- Humanities•
- Creative Writing •
- AP English Literature
- Critical Thinking •
- College Intro Comm 110 •\*
- College English 101 •\*
- Science Fiction Literature •

### FAMILY & CONSUMER SCIENCE

- Baking •\*
- Foods 1•
- Foods 2 •
- Nutrition For Sports/Life •
- Apparel Construction 1 •
- Intro to Health Care Careers •
- Housing & Interior Design •
- International Foods •
- Culinary Skills 1 \* •
- Apparel Const. 2-Fashion Design •(2025-26)
- Parenting •
- Food Science •
- Personal & Family Relationships •
- Independent Living Skills •
- Child Development/Asst. Child Care •
- Senior Foods •
- Hospitality •

### MATHEMATICS

- Applied Math
- Algebra 1
- Honors Geometry
- Geometry
- Honors Algebra 2 with Trigonometry
- AP Computer Science Principles
- Algebra 2
- Statistics •
- Trigonometry •
- AP Pre-Calculus
- AP Statistics
- AP Calculus AB
- AP Calculus BC
- AP Computer Science A

### MUSIC

- Principianti
- Concert Band
- Jazz Band
- Music Technology& Production •
- Intermezzo-Sopranos/Altos
- Intermezzo-Tenors/Bass
- Sulla Cima
- Vocal Jazz
- Intro to Music Theory (2025-26) •
- Symphonic Band
- AP Music Theory (2026-27)
- Beginning Acoustic Guitar•

PHYSICAL EDUCATION & HEALTH

- Introduction to Physical Education •
- Health Education •
- Lifestyle Fitness I •
- Team Individual Sports I •
- Lifestyle Fitness II •
- Team Individual Sports II •
- Sports Medicine •
- Sports Officiating & Coaching •
- Strength & Conditioning •
- Lifetime Activities •

READING

- Reading & Learning Strategies
- College Reading Strategies •
- ACT Strategies to ACTivate your potential•

SCIENCE

- Honors Biology
- Biology
- Honors Chemistry
- Chemistry
- AP Biology
- Physics
- AP Physics 1
- AP Chemistry
- Chemistry 2 •
- Earth Science •
- AP Environmental Science
- Astronomy •
- Marine Biology •
- Medical Terminology •\*
- Human Anatomy and Physiology
- Forensic Science •

SOCIAL STUDIES

- Modern US History
- Honors Modern US History
- Wisconsin History •
- Global Issues •
- Modern World History
- AP World History
- American Government •
- AP Government
- AP Human Geography
- AP US History
- Psychology •
- AP Psychology
- Contemporary Social Issues •
- Military History •
- Economics •
- Consumer Economics •
- AP Economics •

TECHNOLOGY & ENGINEERING EDUCATION

- Exploring Technology •
- Small Engines •\*
- Basic Drafting •
- Adv. Drafting with CAD •
- CreaTECH •
- Intro to Woods •

- Intro to Metals •
- Automotive Technology 1 •
- HOME 2: Construction •
- HOME (Home Owners Maintenance for Everyone) •
- Woodworking 1 (block) •
- Metals 1 (block) •
- Automotive Technology 2 •\*
- Woodworking 2 •
- Metals 2 •
- Wolverine Works (block) •\*

Consumer Automotive

**PROJECT LEAD THE WAY Classes**

- Intro to Engineering Design(IED) \*
- Principles of Engineering (POE) \*
- Digital Electronics (DE) \*
- Civil Engineering & Architecture (CEA) \*
- Engineering Design&Development (EDD) \*

WORLD LANGUAGES

- Spanish I
- French I
- Spanish II
- French II
- Spanish III
- French III
- Spanish IV
- French IV \*
- Spanish V
- Spanish for Healthcare Careers •
- Pathways to Global Competency •

OTHER ELECTIVES

- Yearbook/Newspaper Publication

• = one semester class

\* = Optional Dual Enrollment Credit



= Partners In Education



=Cooperative Academic Partnership Program

**NCAA ELIGIBILITY**



Students interested in playing college athletics are encouraged to learn more about NCAA eligibility requirements by checking out the NCAA Eligibility Center Website. NCAA eligibility requires students successfully complete specific NCAA eligible courses before graduation. WUHS courses approved by the NCAA are noted in this course planning guide.



**ADVANCED PLACEMENT PROGRAM**

The Advanced Placement Program (AP) offers students the opportunity to take college level courses and exams in high school and earn college credit, advanced placement, or both at many colleges and universities in the U.S. and around the world.

**STUDENT SERVICES STAFF:**

Nicole Werner - Director  
 nwerner@wuhs.us  
 Student Last Name: A - E

Jonathan Frey - Counselor  
 jfrey@wuhs.us  
 Student Last Name: F - K

Amelia Wessel - Counselor  
 awessel@wuhs.us  
 Student Last Name: L - R

Amy Meyer - Counselor  
 ameyer@wuhs.us  
 Student Last Name: S - Z

Karlie Seidl- School Social Worker  
 kseidl@wuhs.us

Hannah Koenig - School Psychologist  
 hkoening@wuhs.us

Nicole Duldulao - Student Services Administrative Assistant  
 nduldulao@wuhs.us

Emily Castle - Student Services Administrative Assistant/Open Enrollment Coordinator  
 ecastle@wuhs.us

Participation in Waterford Union High School activities are an integral part of the WUHS curriculum, which is a privilege and should elicit great pride in both the student and his/her family.

**CLUBS**

AFS	Art Club	Band	Best Buddies
Chase	Diversity	Drama	E-Sports
FFA	Forensics	Jazz Band	KMO
Library Club	Madrigals	Mock Trial	NHS
Peer Mentoring	WUHS Powerlifting	Robotics	Skills USA
Southern Lakes Academic Bowl	Spanish Club	Student Council	Table Tennis
TRI-M Music Honors Society	Wally Club	W-Club	Weight Room
Wolvtech			

**ATHLETICS**

	GIRLS'	BOYS'
FALL	Golf	Football
	Tennis	Soccer
	Swim	Cross Country
	Cross Country	Volleyball
	Volleyball	
	Dance	
	Cheer	
WINTER	Basketball	Basketball
	Gymnastics	Wrestling
	Powerlifting	Swim
	Bowling	Bowling
	Dance	Hockey
	Cheer	Powerlifting
SPRING	Track	Track
	Softball	Baseball
	Soccer	Golf
		Tennis

**Credit**

Credit is awarded upon the successful completion of a course. One-half credit is awarded for a course that meets one period per day, five days a week for eighteen weeks. One credit is awarded for a course that meets one period per day, five days a week for thirty-six weeks.

**Graduation Requirements**

**Credits Required: 24 Credits**

**Specific Credit Requirements:**

**4 Credits of English:** including English 9, English 10, a Literature elective, Composition or Writing for the Workplace, Speech or Drama, and one semester of an English elective.

**3 Credits of Science: including 1 credit each of Biology, Chemistry, and Physics**

**3 Credits of Math**

**3 Credits of Social Studies** including:  
9th grade: Honors or Modern U.S. History  
10th grade: AP or Modern World History  
11th grade: American Government .5 cr., AP U.S. History 1 cr. or AP Government 1 cr.  
12th Grade: Consumer Economics .5 cr., Economics .5 cr. or AP Economics, 1 cr.

**1 1/2 Credits of Physical Education:** including Introduction to Physical Education, Team & Individual Sports I, Lifestyle Fitness I, Lifestyle Fitness II, and Team and & Individual Sports II

**1/2 Credit of Health:** including Health 1 and Health 2  
Class of 2026 and beyond: .5 credit of Health

**1/2 Credit of Business & Information Technology:** Personal Financial Literacy

\*\*\*\*\*

**Course Load**

All students are required to carry a minimum of seven classes per semester. Students enrolled in a work experience program please work with your counselor to make sure you have the requirements to graduate.

**Grade Classification**

Grade classification is determined by the number of credits earned at the high school level. The following credits must be earned to attain class status:  
Sophomore 5 credits minimum  
Junior 10.5 credits minimum  
Senior 17 credits minimum

**Course Selection Guidelines**

1. Many courses have prerequisites, grade level requirements and other requirements such as minimum performance in a prerequisite class. Students must meet these requirements before they may register for the course.

2. Students should select courses that correspond with their abilities. The school reserves the right to adjust a student's program to meet their ability level or to adjust class size.

3. Physical education may be waived for a part of a year or the entire year due to a medical excuse. **Students who are unable to participate in physical education must have their physician complete a Waterford High School physical education modification form.** This form can be obtained in the Waterford High School Student Services. If at a later date, the physician determines that the student may now be involved in physical education classes, the student is responsible for making up all missed physical education classes so long as there is sufficient time on the student's remaining schedule at WUHS to make each class up by taking no more than one semester of physical education each of his/her remaining semesters. A signed Waterford High School physical education modification form is required for each year of waived physical education classes.

4. Graduation requirements are minimal requirements. Students who will continue their education beyond high school should plan a course of study that involves a heavy emphasis on classes such as math, science, English, social studies and other elective courses that fit their individual career and post-secondary school preparatory needs.

5. In some instances, transferring students may be unable to graduate with their class because they cannot reach the 24 credit requirement for graduation. In such instances the following procedure will be used:

\* Freshmen transfer students will meet the



24 credit requirement.

\* Sophomore transfer students will meet the 24 credit requirement.

\* First semester junior transfer students will meet the 24 credit requirement.

\* Second semester junior transfer students will earn a minimum of 10.5 credits.

\* First semester senior transfer students will earn a minimum 7 credits.

\* second semester senior transfer students will earn a minimum 3.5 credits.

Any credit that was not earned at the previous high school due to failure will be added to the WUHS total requirements.

The requirements in English, math, social studies, science, physical education, health, and information & technology literacy will remain the same for all students graduating from WUHS regardless of the number of credits the student earned when transferring from another school.

### **Schedule Change/Course Drop Policy**

Considerable effort is devoted to developing a master schedule; teachers are hired and assigned classes according to student preregistration sign-up. Therefore class changes cannot always be granted and are often impossible due to schedule conflicts, class availability, and class size limitations.

The following rules apply to dropping a class:

1. All course changes must be completed during the Summer Course Change Window (communicated via email by the school.) Once the school year starts course changes will only be completed under extending circumstances.

2. Any class dropped after the first ten working days of school will receive a semester failure.

3. Students will not be allowed to drop classes with enrollments of eighteen (18) or less once the master schedule has been set.

Changes will not be made for the following reasons: to accommodate taking a class with a friend; to accommodate a different study hall hour; to accommodate moving to a lower level class when the student is already at the appropriate ability level commensurate with his/her ability.

### **Teacher Changes**

The following is the policy for requesting a teacher change:

1. Student has had the teacher previously and failed the course: Approved if possible.

2. Student has had the teacher and would prefer a teacher change AND the numbers move the student from a larger section to a smaller section: Approved if possible.

3. Student has had the teacher and passed and the

numbers move him from a smaller to a larger section: Denied.

4. Student has not had the teacher and the numbers move the student from a larger section to a smaller one: Denied/approved on case by case basis.

5. Student has not had the teacher: Denied

6. Student has not had the teacher and the numbers move the student from a smaller section to a larger one: Denied.

### **Permanent Records (Transcript)**

A permanent record (transcript) is maintained for each student. This record may carry the student's legal name, address, date of birth, courses, grades and credits earned, cumulative GPA, class rank, and ACT, SAT, and AP test scores.

### **Requesting a Transcript (Permanent Record)**

Transcripts accompany four year colleges, technical colleges and scholarship applications. Transcripts may also be requested by NCAA, employers, military enlisters and for pretrial/security clearance investigations, etc. An "official" transcript is signed and sealed by the high school and sent electronically. Current WUHS students request transcripts via XELLO. Graduated students should request transcripts via Parchment. Links to both transcript request sites can be found on the WUHS Student Services Website. No transcript will be sent without student or parental permission unless the transcript is court ordered.

### **Subject Evaluation**

The following grades are utilized at Waterford High School:

A to A-	Superior
B+ to B-	Above Average
C+ to C-	Average
D+ to D-	Below Average
F	Failure
AUD	Audit
S	Satisfactory
WP	Withdrew Passing
WF	Withdrew Failing
WD	Withdrew
E	Credit For Class Due To Effort Shown
MED	Medical, No Credit Given
INC	Incomplete (student has two weeks to make up work or the grade is changed to an "F").

Most courses at Waterford High School are graded on a four (4) point scale as such:



A	4.00	C	2.00
A-	3.67	C-	1.67
B+	3.33	D+	1.33
B	3.00	D	1.00
B-	2.67	D-	.67
C+	2.33	F	0.00

## Advanced Placement Courses are graded on a five point (5.0) scale.

### Audits

Audits are available to students on a limited basis. Students who want to take a class for pure enrichment may request an audit and must understand no grade and no credit is earned. Students must carry a minimum course load of seven classes in addition to the audited class. Audits must be declared within the first two weeks of class, and cannot be switched into a “for credit class/grade” once the audit is declared. Audit forms must be completed by students within the first 2 weeks of the semester and are available from your School Counselor.

### Honor Roll and Class Rank

Honor roll and class rank are determined by grade point average (GPA). The minimum course load students may carry to gain honor roll recognition is three credits each semester.

To qualify for first honor roll a student must have a GPA above 3.50. To qualify for second honor roll, a student must have a GPA between 3.49 to 3.00. Students with incompletes will not be considered for honor roll recognition until the final grade is issued. Honor rolls are computed at the end of each semester. Class rank is calculated once a semester after all grades are completed.

### Early College Credit

Early College Credit (ECC) allow all students who meet certain requirements to take postsecondary courses at a U.W. institution or one of the state’s participating private, not for profit institutions of higher education.

The student does not have to pay for a postsecondary course if the school board determines the course may receive high school credit and the course is not comparable to a course offered in the school district. If approved by the school board, the student will receive both high school and postsecondary credit for a successfully completed course. The high school will grant a diploma to a student who has successfully completed high school graduation standards, regardless of whether the requirements were met at the high school or college.

All students in Wisconsin public schools who meet the program requirements are eligible. To qualify for the program, a student must:

Be in good academic standing and have no record of disciplinary problems.

Apply to the college in the school semester prior to the one in which the student plans to attend the postsecondary course. Notify the school board of the student’s intention of enrolling in a college no later than February 20 for a course to be taken in the fall semester; September 20 for a course to be taken in the spring semester. Notify the school board if the student is admitted to the college. Notify the school board if the student is registered to attend a postsecondary course.

A parent or guardian is responsible for satisfactory student attendance and the student’s compliance with the compulsory school attendance law. A maximum of 18 credits will be paid for by WUHS. High School approval does not guarantee students will be able to enroll in courses at the University. Students must meet admission requirements and work around WUHS courses and schedules. **Students who do not successfully complete the course with a passing grade (based on the college’s grading scale) will be required to reimburse WUHS the cost of the course.**

### Start College Now

Start College Now (SCN) allows juniors and seniors who meet certain requirements to take postsecondary courses at a Wisconsin Technical College. The program opens the door to greater learning opportunities for students who are considering a technical career or students who want to prepare to enter the work-force immediately after high school graduation.

The student does not have to pay for a postsecondary course if the school board determines the course may receive high school credit and the course is not comparable to a course offered in the school district. If approved by the school board, the student will receive both high school and postsecondary credit for a successfully completed course. The high school will grant a diploma to a student who has successfully completed high school graduation standards, regardless of whether the requirements were met at the high school or college.

All juniors and seniors in Wisconsin public schools who meet the program requirements are eligible. To qualify for the program, a student must:

Have completed the 10th grade, be in good academic standing and have no record of disciplinary problems.

Apply to the college in the school semester

prior to the one in which the student plans to attend the postsecondary course. Notify the school board of the student's intention of enrolling in a college no later than February 20 for a course to be taken in the fall semester; September 20 for a course to be taken in the spring semester. Notify the school board if the student is admitted to the college. Notify the school board if the student is registered to attend a postsecondary course.

A parent or guardian is responsible for satisfactory student attendance and the student's compliance with the compulsory school attendance law. A maximum of 18 credits will be paid for by WUHS. High School approval does not guarantee students will be able to enroll in courses at the College. Students must meet admission requirements and work around WUHS courses and schedules. **Students who do not successfully complete the course with a passing grade (based on the college's grading scale) will be required to reimburse WUHS the cost of the course.**

### **Dual Enrollment Classes**

Students taking classes at Waterford High School for dual enrollment (i.e. classes that will result in WUHS and College credit) should be aware these classes may have additional policies. Dual Enrollment classes may be subject to different grading scales, including passing marks. Students may also be required to reimburse WUHS tuition for a class if the student does not earn a passing mark in the course (in accordance with the College's grading policy). WUHS is proud to offer these opportunities to our students. Please contact your school counselor if you have questions regarding specific classes.

### **Advanced Standing Classes**

Waterford Union High School and Gateway Technical College partner to offer advanced standing credit opportunities to students who attend Gateway Technical College after graduation. Students wishing to learn more about advanced standing opportunities at WUHS should see their school counselor.

### **Students Preparing for Four Year College**

Students planning to attend a four year college need to be aware of entrance requirements. School counselors are available to assist students in preparing for four year college and should be consulted as needed. A few general guidelines are:

1. The University of Wisconsin system has very specific requirements for admissions, some of which may change from year to year without notice. Up-to-date information on admission standards for each U.W. system university can be determined by consulting a school counselor or by checking college web sites.

Some general guidelines:

\* class rank should be in the top 10% to 50% of the high school graduating class. Each college has specific recommendations in regard to class rank, which may change annually.

\* college bound students need to take the ACT test. Some colleges have specific ACT Test requirements for admissions.

\* students must complete at least the following minimum high school course requirements. Many universities expect applicants to exceed these minimums.

- 17 academic credits are required in which the following are required specifically:
- 4 credits of English
- 3 credits of math including algebra 1, geometry, and one credit of an additional math class that requires geometry as a prerequisite (most universities specify that credit of math be Algebra 2 with trig or Algebra 2).
- 3 credits of science
- 3 credits of social studies
- 4 additional credits in above areas, World Language and other areas specified by the individual college.

Some University of Wisconsin colleges require a minimum of two credits of the same World Language or may have other specific requirements in certain discipline areas.

2. State private colleges and universities and out-of-state colleges and universities may have different requirements than those listed above for the University of Wisconsin System.

### **Students Preparing for Technical College**

Technical colleges have an open admission policy which means that they will accept WUHS students into a technical diploma or associate degree program if they have a high school diploma. Some programs, however, require specific high school coursework and additional testing. In many program areas a test is administered to determine if the applicant is adequately prepared to start training immediately or if additional remedial classes are in order. To prepare for technical college, it is recommended that students try to follow the following course guidelines as much as possible:

- 4 credits of English
- 3-4 credits of math
- 3-4 credits of science
- 3-4 credits of social studies

Remainder of schedule should be filled with classes related to other graduation requirements and classes related to the students vocational area of interest.

Most Wisconsin Technical Colleges require entrance testing for their programs. ACT scores can be used at most schools to take the place of these required entrance tests. It is in a student's best interest to do as well as possible on

their ACT test in junior year to ensure proper placement at the Technical School level. Waterford High School also offers many Dual Enrollment courses with Gateway Technical College for college credit. These courses are marked with a Gateway symbol in the course description portion of this book.

### **Notice of Nondiscrimination Policy**

The Waterford Union High School Board of Education is committed to providing an equal educational opportunity for all students in the District.

The Board does not discriminate on the basis of race, color, religion, national origin, ancestry, creed, pregnancy, marital status, parental status, sexual orientation, sex (including transgender status, change of sex or gender identity), or physical, mental, emotional or learning disabilities (“Protected Classes”) in any of its student programs and activities.

The Board is also committed to equal employment opportunity in its employment policies and practices as they relate to students. The Board’s policies pertaining to employment practices can be found in Policy 1422, Policy 3122, and Policy 4122 – Nondiscrimination and Equal Employment Opportunity.

Any inquiries or concerns related to nondiscrimination should be addressed to appropriate school district personnel. Should there be rounds for a complaint, a written statement of the complaint shall be prepared by the complainant, and directed to the appropriate individual or position holder listed below.

Discrimination complaint forms can also be obtained from the offices listed below as well as from the office of the superintendent, 507 West Main Street, Waterford, WI 53185.

### **Reporting Procedures**

Students, parents and all other members of the School District community are encouraged to promptly report suspected violations of this policy to a teacher or administrator. Any teacher or administrator who receives such a complaint shall file it with the District’s Compliance Officer at his/her first opportunity.

Students who believe they have been denied equal access to District educational opportunities, in a manner inconsistent with this policy may initiate a complaint and the investigation process that is set forth below. Initiating a complaint will not adversely affect the complaining individual’s participation in educational or extra-curricular programs unless the complaining individual makes the complaint maliciously or with knowledge that it is false.

### **Compliance Officer(s)**

The Board designates the following individual(s) to serve as the District’s 504 CO(s)/ADA Coordinator(s) (hereinafter referred to as the “COs”).

Daniel F. Foster, Principal  
(262) 534-3189, Ext. 3501  
100 Field Drive, Waterford, WI 53185  
Email: dfoster@wuhs.us

Jill Stobber, Athletics/Activities Director  
(262) 534-3189, Ext. 3201  
100 Field Drive, Waterford, WI 53185  
Email: jstobber@wuhs.us

118.13 Wis. Stats.

## ADVANCED PLACEMENT COURSES

Launched in 1955 as a joint venture between universities and high schools to help make the high school experience more meaningful for students who were preparing for college-level work, the Advanced Placement Program has since expanded to provide more than 1.6 million U.S. high school students annually with access to college-level courses. The rigor and quality found in AP's college-level assessment has been used by many educators to raise standards throughout their schools, while the skills students acquire in AP courses enable them to stand out in college admissions, earn college credit and most important, develop the habits of mind and content knowledge that position them to pursue even deeper, richer studies at the university. Waterford Union High School offers the following AP courses:

COURSE	DEPARTMENT	CREDIT AWARDED	# OF TERMS	PAGE #
AP Biology	Science	1.0 on 5.0 scale	2	51
AP Calculus AB	Math	1.0 on 5.0 scale	2	44
AP Calculus BC	Math	1.0 on 5.0 scale	2	44
AP Computer Science Principles	Math	1.0 on 5.0 scale	2	44
AP Computer Science A	Math	1.0 on 5.0 scale	2	45
AP Chemistry	Science	1.0 on 5.0 scale	2	52
AP Economics	Social Studies	1.0 on 5.0 scale	2	57
AP English Literature	English	1.0 on 5.0 scale	2	38
AP Environmental Science	Science	1.0 on 5.0 scale	2	52
AP Government	Social Studies	1.0 on 5.0 scale	2	55
AP Human Geography	Social Studies	1.0 on 5.0 scale	2	55
AP Music Theory	Music	1.0 on 5.0 scale	2	47
AP Pre-Calculus	Math	1.0 on 5.0 scale	2	43
AP Physics 1	Science	1.0 on 5.0 scale	2	52
AP Psychology	Social Studies	1.0 on 5.0 scale	2	56
AP Statistics	Math	1.0 on 5.0 scale	2	43
AP Art	Art	1.0 on 5.0 scale	2	31
AP US History	Social Studies	1.0 on 5.0 scale	2	55
AP World History-Modern	Social Studies	1.0 on 5.0 scale	2	54

## EVEN/ODD YEAR COURSES

If you are interested in courses offered on even or odd years, please plan your course selections accordingly based upon when these courses are offered.

EVEN YEAR 2026-2027	
COURSE	DEPARTMENT
AP Music Theory	Music
Home Gardening & Horticulture	Agriculture
Theatrical Costume & Makeup	English

ODD YEAR 2025 - 2026	
COURSE	DEPARTMENT
Apparel & Construction 2	Family and Consumer Science
Greenhouse Management	Agriculture
Intro to Music Theory	Music
Technical Theater	English

# Agriculture, Food & Natural Resources

WUHS provides exceptional hands on experience in a natural greenhouse as well as an agricultural center that was completed in 2020.

Careers in agriculture, food and natural resources involve the production, processing, marketing, Distribution, financing and development of agricultural commodities and resources. These include food, fuel, fiber, wood products, natural resources, horticulture and other plant and animal products/resources.

## High School Diploma

Animal Caretaker, Farm Worker, Nursery Worker, Bee Keeper, Fisherman, Pet Groomer, Butcher, Landscape Laborer, Stable Worker, Crop Sprayer, Logger, and Waster Collector.

## Associates Degree

Arborist, Animal Nutritionist, Environmental Technician, Landscape Designer, Genetic Technologist, Commercial Driver, Fish & Game Warden, Greenhouse Manager.

## Bachelors or Higher Degree

Biochemist, Food Scientist, Meteorologist, Toxicologist, Botanist, Forester, Plant Pathologist, Soil Geologist, Marine Biologist, Zoologist, Veterinarian, Entomologist, USDA Inspector.

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Students who participated in at least ONE Agriculture class during the 2020-21 school year

13

Number of classes offered in the Agriculture department at WUHS.

#2

Second largest FFA chapter in the state of Wisconsin

## Recommended Courses Available

Agriscience  
Natural Resources  
Veterinary Pet Care  
Large Animal Veterinary Science  
Home Gardening & Horticultures  
Greenhouse Management  
Landscape Design  
Biotechnology & Energy  
Agribusiness & Marketing  
Writing for the Workplace  
Food & Nutrition  
Food & Nutrition 2  
International Foods  
Biology  
Earth Science  
Astronomy  
Marine Biology  
Wisconsin History  
Global Issues

## Recommended Clubs/Activities Available

- FFA
- CHASE Community Helpers
  - French Club
  - Model UN
  - Spanish Club
  - Student Council
- Outdoor Club (non-school sponsored club)
- Trap Shooting Club (non-school sponsored club)

## Interests Inventory

- Agribusiness Systems
  - Animal Systems
  - Environment Service Systems
- Food Products and Processing Systems
  - Natural Resource Systems
    - Plant Systems
- Power, Structural and Technical Systems



# Architecture & Construction

Careers in architecture and construction range from designing, planning, managing and building a structure, to maintaining the built environment. Architect, Building Contractor, CAD

## High School Diploma

Construction Laborer,  
Custodian, Fence Builder,  
Gardener, Groundskeeper,  
Highway Maintenance  
Landscape, Roofer, Tile  
Setter, Day Laborer



## Associates Degree

Architectural Drafter,  
Bricklayer, Building Inspector,  
Carpenter, Cement Mason,  
Crane Operator, Drywall  
Installer, Electrician, HVAC  
Technician, Interior Designer,  
Ironworker, Plasterer,  
Plumber, Welder



## Bachelors or Higher Degree

Designer, Civil Engineer,  
Cost Estimator, Electrical  
Engineer, Groups Supervisor,  
Interior Designer, Land Sur-  
veyor, Landscape Architect,  
Mechanical Engineer, Project  
Manager



## Recommended Courses Available

Advanced Drafting & CAD  
Basic Drafting  
Civil Engineering & Architecture (PLTW)  
Digital Electronics (PLTW)  
Drawing & Painting  
Engineering Design & Development (PLTW)  
Exploring Technology  
Home Maintenance  
Housing & Interior Design  
H.O.M.E 2: Construction  
Introduction to Engineering Design (PLTW)  
Intro to Metals or Woods  
Metals I & II  
Principles of Engineering (PLTW)  
Small Engines  
Woodworking I & II  
Wolverine Works

## Recommended Clubs/Activities Available

Skills USA  
Student Council  
• Outdoor Club (non-school sponsored club)

## Interests Inventory

- Construction
- Design/ Pre-Construction
- Maintenance & Operations



# Arts, A/V Technology, & Communications

Arts, audio/video technology and communications careers include designing, producing, exhibiting, performing, writing and publishing multimedia content. This field also involves the visual and performing arts, journalism, and entertainment services

## High School Diploma

Film Processor, Floral Designer, Food Stylist, Model, Musician, Mural Painter, Photographer, Pre-Press, Proofreader, Stained Glass Artists, Stunt Person, Tattoo Artists, YouTuber



## Associates Degree

Animator, Announcer, Bookbinder, Broadcast Technician, Caption Writer, Computer Animator, Craft Artists, Fashion Designer, Film & TV Crew, Graphic Designer, Interior Decorator, Recording Technician



## Bachelors or Higher Degree

Art, Music Therapist, Communications Specialist, Composer, Copy Editor, Curator, Director, Historian, Illustrator, Jeweler, Media Buyer, Producer, Publisher, Set Designer, Sociologist, Videographer



## Recommended Courses Available

Ceramics  
CreaTECH  
Digital Photography  
Drawing & Painting  
Illustration: Computer and Other Media  
Marketing  
Mixed Media Art  
Video Production  
Psychology  
Mixed Media & Sculpture  
Stain Class  
Sociology  
World Languages

## Recommended Clubs/Activities Available

- AFS
- Art Club
- Forensics
- Madrigals
- Student Council
- Student Government
- Theater Guild
- Tri-M

## Interests Inventory

- Audio & Video Technology and Film
- Journalism & Broadcasting
  - Performing Arts
  - Printing Technology
- Telecommunications
  - Visual Arts



# Business Management & Administration

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

## High School Diploma

Bank Teller, Bookkeeper, Caterer, Data Entry Clerk, Filer Clerk, Hospital Admitting Clerk, Hotel Concierge, Human Resources Clerk, Mail Clerk, Meter Reader, Receptionist

65%

Of business management jobs list salary to \$50,000 annually

## Associates Degree

Administrative Assistant, Computer Operator, Copywriter, Court Reporter, Health Records Professional, Kennel Owner, Legal Secretary, Mortgage Broker, Renovator, Stenographer

18

Number of classes offered in the Business department at WUHS.

## Bachelors or Higher Degree

Accountant, Art Director, Corporate Trainer, Economist, Event Planner, Human Resources Manager, Market Research Analyst, Mediator, Project Manager, Purchaser, Researcher, Statistician

8

Number of Gateway Business courses offered at WUHS

## Recommended Courses Available

Accounting I & II  
AP Economics  
Business Law  
Critical Thinking  
Economics  
Introduction to Business  
Marketing  
Mobile APP Development  
Personal Financial Planning  
Psychology  
Sociology  
Speech  
Web Design  
World Languages  
Video Game Development

## Recommended Clubs/Activities Available

- AFS
- Forensics
- Future Business Leaders of America
- Student Council
- Yearbook
- WolvTECH

## Interests Inventory

- Administrative Support
- Business Information Management
- General Management
- Human Resources Management
- Operations Management



# Education and Training

Careers in education and training involve planning, managing, and providing education and training services, as well as related learning support services.

## High School Diploma

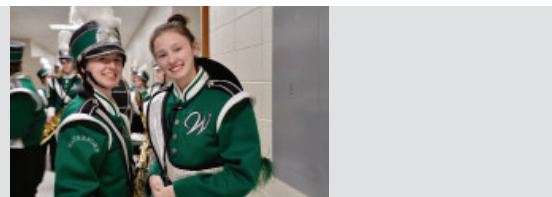
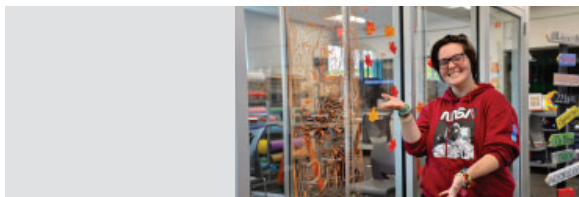
Aerobics Instructor, Child Care Assistant, Dance Teacher, Driving Instructor, Library Assistant, Self-Enrichment Teacher, Teacher Assistant

## Associates Degree

Adult Education Teacher, Computer Trainer, Fitness Instructor, Library Technician, Preschool Teacher, Sign Language Interpreter, Teacher Assistant

## Bachelors or Higher Degree

Athletic Trainer, Audiologist, Bilingual Educator, Career Counselor, Corporate Trainer, Historian, Librarian, Principal, Psychiatrist, Psychologist, Social Worker, Special Education Teacher, University Professor



## Recommended Courses Available

Child Development  
Contemporary Social Issues  
Developmental Psychology  
Psychology or AP Psych.  
Sociology  
Speech/College COM 110

\*If you are interested in teaching, choose as many classes in your preferred subject as possible. Meet with you counselor to learn more about shadowing a teacher within the high school, middle school, or elementary schools.

## Recommended Clubs/Activities

- AFS
- CHASE
- Diversity
- French Club
- Library Club
- Spanish Club
- Student Council

## Interests Inventory

### • Administration & Administrative Support

Review and approve educational programs  
Plan and develop training programs  
Organize production and design of curriculum materials

Direct admissions, registration and career activities

### • Professional Support Services

Counsel parents experiencing child-rearing problems

Maintain case history records and prepare reports

Select, administer and score psychological tests  
Advise students regarding educational issues

### • Teaching/Training

Teach basic skills to pre-school children  
Tutor children individually or in small groups  
Prepare classroom activity materials  
Evaluate and grade assignments and papers  
Arrange new employee on-the-job training

# Finance

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

## High School Diploma

Bank Teller, Bill & Account Collector, Bookkeeper, Cashier

## Associates Degree

Accountant, Account Manager, Brokerage Clerk, Claims Adjuster, Financial Institution Manager, Insurance Agent, Insurance Appraiser, Loan Officer, Personal Property Appraiser, Tax Preparer

## Bachelors or Higher Degree

Accountant, Actuary, Auditor, Bank Manager, Brokerage Clerk, Controller, Credit Analyst, Economist, Financial Advisor, Investment Advisor, Real Estate Appraiser, Research Analyst, Stockbroker

## Interests Inventory

### • Accounting

Prepare records and statements  
Develop, maintain and analyze budgets  
Provide auditing services  
Project revenue and expenses of business operations  
Review records to prepare tax returns

### • Banking Services

Review and update credit and loan files  
Arrange or establish debt repayment  
Cash checks and pay out money  
Balance money

### • Business Finance

Create charts and graphs for reports  
Find out security prices for the public  
Supervise accounting and budgeting employees  
Study economic information

### • Insurance

Investigate, evaluate and settle claims  
Examine vehicles  
Review records to reveal amount of insurance in place  
Estimate insurance rates  
Sell policies

### • Securities and Investment

Sell stocks, bonds and mutual funds  
Prepare tax returns  
Advise the purchase or sale of securities  
Buy and sell securities in investment firms

## Recommended Courses Available

Accounting I & II  
Business Law  
Economics & AP Economics  
Introduction to Business  
Marketing  
Personal Financial Planning  
Statistics or AP Statistics  
World Language

## Recommended Clubs/Activities

- Future Business Leaders of America
- Student Council



# Government and Public Administration

People working in government and public administration careers execute governmental functions including governance, national security, foreign service, planning, revenue and taxation, regulation, and management and administration at the local, state and federal levels.

## High School Diploma

Armed Forces Enlistee,  
Combat Engineer, Coast  
Guard, Infantry Forces,  
License Clerk, Mail Currier,  
Postal Clerk

## Associates Degree

Building Inspector, City  
Planning Aide, Conservation  
Officer, Food Inspector,  
Library Technician,  
Postmaster, Special Forces,  
Transportation Inspector

## Bachelors or Higher Degree

Archivist, City Manager,  
Federal Agent, Infantry  
Officer, Translator, Lawyer,  
Librarian, Legislator, Lobbyist,  
Politician, Peace Corps  
Volunteer, Researcher, Social  
Services Administrator,  
Statistician, Urban Planner

## Recommended Courses Available

Accounting I & II  
Business Law  
Speech / College COM110  
AP Economics  
AP Government  
AP U.S. History  
Global Issues  
Psychology or AP Psych.  
Sociology  
Wisconsin History  
World Languages



## Recommended Clubs/Activities

- AFS
- CHASE
- Diversity Club
- Mock Trial
- Model UN
- NHS
- Student Council

## Interest Inventory

### • Foreign Service

Help citizens abroad  
Promote relations  
Collect information  
Share national views/policies

### • Governance

Study local and national legislation  
Listen to constituents about bills or issues  
Gather information and make policy decisions

### • National Security

Operate ground combat operations equipment  
Demolish enemy positions  
Lead military teams  
Predict terrorist activity

### • Planning

Design plans affecting land use and zoning  
Work with architects in planning projects  
Assess proposals for projects

### • Public Management & Administration

Prepare calendars of cases  
Coordinate administration of municipal elections  
Document municipal codes and city charters  
Negotiate municipality contracts with suppliers

### • Regulation

Testify at administrative proceedings  
Investigate applications for licenses or permits  
Examine immigration passports  
Inspect aircraft mechanic work

### • Revenue & Taxation

Collect taxes  
Resolve tax return problems

# Health Sciences

Number one career cluster recommendation for our students after completing XELLO survey.

Planning, managing and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development are all functions of health science careers.

## High School Diploma

Certified Nursing Assistant, Clerk, Dental Lab Technician, Food Service, Hospital Admitting, Home-Care Worker, Optical Lab Technician, Sports Instructor

## Associates Degree

Dental Assistant, Dental Hygienist, Fitness Instructor, Health Records Professional, Massage Therapist, Medical Lab Technician, Medical Assistant, Optician, Paramedic

## Bachelors or Higher Degree

Anesthesiologist, Athletic Trainer, Chiropractor, Dentist, Dermatologist, Doctor, Epidemiologist, Geneticist, Midwife, Neurologist, Obstetrician, Orthopedist, Orthodontist, Pediatrician, Radiologist, Veterinarian

## Recommended Courses Available

Agriscience  
Biotechnology  
AP Environmental Science  
Earth Science  
AP Biology  
Chemistry 2 / AP Chem.  
Marine biology  
Intro to Health Care Careers  
Medical Terminology  
Youth Options - CNA  
Physics/ AP Physics  
Honors Algebra 2 w/ Trigonometry  
AP Calculus  
Statistics or AP Statistics  
Medical Terminology  
AP Physics  
Psychology or AP Psych.  
Sports Medicine  
Strength & Conditioning

## Recommended Clubs/Activities

Academic Bowl, CHASE, Diversity Club, FBLA, FFA, Forensics, French Club, KMO, NHS, Science Team. Student Council, Spanish Club

## Interest Inventory

### • Biotechnology Research & Development

Research large molecular datasets  
Investigate organism and disease relationships  
Do research to improve testing of diseases  
Assess medication strength and purity  
Maintain database of clinical results analysis

### • Diagnostic Services

Evaluate diseases for genetic links  
Analyze laboratory findings  
Administer radiation intravenously  
Examine microscopic samples for abnormalities  
Oversee magnetic imaging equipment operation

### • Health Informatics

Schedule diagnostic appointments and surgeries  
Maintain medical records  
Direct hospital personnel activities  
Process admission and discharge documents

### • Support Services

Evaluate biomedical equipment effectiveness  
Observe food intake and report patient progress  
Calibrate microscopes and test instruments  
Perform preventive maintenance on medical buildings' systems

### • Therapeutic Services

Treat people to prevent illness, disease or injury  
Examine gums for signs of disease  
Review prescriptions for accuracy  
Set up and operate ventilators  
Maintain sterile area during surgery



# Hospitality and Tourism

Hospitality and tourism encompasses the management, marketing and operations of restaurants and other facilities and services including lodging, attractions, recreation events and travel-related services.

## High School Diploma

Bellhop, Baker, Bartender, Bus Driver, Butcher, Caterer, Cook, Concierge, Flight Attendant, Guide, Hotel Clerk, Housekeeper, Janitor, Lifeguard, Host, Waiter

## Associates Degree

Chef, Club Manager, Conference Planner, Event Planner, Hotel Manager, Recreation Director, Restaurant Manager, Taxidermist, Travel Agent, Translator

## Bachelors or Higher Degree

Curator, Historian, Park Ranger, Recreation Director, Resort Manager, Sports Marketer, Theater Manager, Translator, Zookeeper

5th

Largest industry in the country

15 Million

Americans work in the tourism and hospitality industry

11

Students involved in a Youth Apprenticeship for this industry

## Recommended Courses Available

Culinary Skills 1  
 Baking  
 Biotechnology  
 Business Law  
 Food Science  
 Food & Nutrition I & II  
 Housing and Interior Design  
 International Foods  
 Introduction to Business  
 Marketing  
 Nutrition & Wellness  
 Physical Education  
 World Language  
 Hospitality

## Recommended Clubs/Activities

- AFS
- CHASE
- Diversity
- French Club
- FCCLA
- Spanish Club
- Student Council

## Interest Inventory

### • Lodging

Greet, register and assign hotel rooms  
 Coordinate front-office activities  
 Select cleaning materials for linens and furniture  
 Supply directions and travel information

### • Recreation, Amusements & Attractions

Provide facility and entertainment information  
 Monitor game operations  
 Plan promotional campaigns  
 Conduct tours of museum exhibits

### • Restaurants & Food/Beverage Services

Ensure proper food preparation  
 Take food and beverage orders  
 Clean, cut and cook meat, fish or poultry  
 Mix beverage ingredients

### • Travel & Tourism

Plan events  
 Arrange audio-visual equipment and displays  
 Provide tours  
 Sell vacation packages  
 Make reservations for transportation and lodging

# Human Services

Employment in human services focuses on families and human needs.

## High School Diploma

Aerobics Instructor, Crossing Guard, Dry Cleaner, Florist, Housekeeper, Nail Technician, Nanny, Pet Groomer, Sports Instructor, Tailor, Tattoo Artist, Teachers Assistant

## Associates Degree

Cosmetologist, Esthetician, Funeral Director, Hairstylist, Massage Therapist, Nail Technician, Optician, Shoe Repairer, Skin Care Specialist, Embalmer

## Bachelors or Higher Degree

Criminologist, Counselor, Dietitian, Financial Planner, Investment Advisor, Librarian, Mental Health Nurse, Midwife, Psychiatrist, Psychologist, School Counselor, Sociologist, Social Worker

## Recommended Courses Available

Speech  
Multicultural Literature  
Critical Thinking  
Child Development  
Parenting  
Personal & Family Relations  
Personal Financial Planning  
Contemporary Social Issues  
Developmental Psychology  
Nutrition & Wellness  
Personal & Family Relations  
Psychology or AP Psych.  
Sports Medicine  
Global Issues  
Sociology  
Speech  
Intro to Health Care  
Medical Terminology

## Recommended Clubs/Activities

CHASE, Diversity Club, Student Council

## Interest Inventory

### • Consumer Services

Recommend plans to achieve financial goals  
Measure customer and employee satisfaction  
Review employee benefit programs  
Provide information about products to customers

### • Counseling & Mental Health Services

Advise clients on counseling benefits  
Counsel individuals, groups or families  
Guide clients in developing problem-solving skills  
Help clients overcome dependencies  
Counsel students regarding education

### • Early Childhood Development & Services

Teach basic skills  
Confer with parents to discuss activities and policies  
Support children's emotional and social development  
Regulate children's rest periods

### • Family & Community Services

Help the homeless, housebound and infirm to cope  
Train or retrain the unemployed or underemployed  
Care for the elderly or disabled  
Help people in need obtain financial assistance  
Solicit contributions for social service organizations

### • Personal Care Services

Shampoo, cut, color and style hair  
Give manicures, pedicures and facial treatments  
Provide personal fitness training  
Oversee the care of the remains of the deceased



# Information Technology

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

## High School Diploma

Careers in this field require more than minimal experience or on-the-job training.



## Associates Degree

Computer Animator, Systems Analyst, Engineer Tech, Graphic Artist, Office Machine Repairer, Sound Manager, Technical Writer, Tool Programmer, Webmaster

## Bachelors or Higher Degree

Animator, Computer Engineer, Computer Network Specialist, Computer Programmer, Database Administrator, Illustrator, Project Manager, Quality Controller, Software Engineer, Web Designer, Video Game Designer



## Recommended Courses Available

Computer Animation  
Introduction to Business  
Marketing  
Web Design I  
Digital Electronics  
Mobile App Development  
Video Game Development

## Interest Inventory

### • Information Support & Services

Test databases and software and correct errors  
Review project plans to coordinate project activities  
Oversee the performance of computer systems  
Answer user questions about hardware

### • Network Systems

Maintain and administer networks  
Perform data backups and disaster recovery operations  
Test hardware and software for efficiency, reliability, and compatibility  
Design network systems and architecture

### • Programming & Software Development

Engineer and develop software  
Update and maintain programs or software  
Perform systems analysis and programming tasks

### • Web & Digital Communications

Design, build or maintain Web sites and applications  
Write, design or edit content  
Implement computer security measures  
Design graphics and animations  
Develop design layouts

## Recommended Clubs/Activities

- Future Business Leaders of America
  - Student Council
- Yearbook & Newspaper

# Law, Public Safety, Corrections, & Security

Planning, managing and providing legal, public safety and protective services and homeland security are some of the functions of law, public safety, corrections and security careers. This field includes professional and technical support services.

## High School Diploma

Animal Services Worker, Correctional Officer, Court Clerk, Crossing Guard, Dispatcher, Lifeguard, National Guard, Parking Enforcement, Security Guard

## Associates Degree

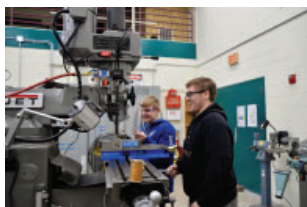
Bailiff, Building Inspector, Court Reporter, Conservation Officer Firefighter, Legal Secretary, Paralegal, Paramedic, Park Ranger, Police Officer, Security Systems Tech.

## Bachelors or Higher Degree

Adjudicator, Arbitrator, Civil Litigator, Coroner, FBI Agent, Forensics Scientist, Interpreter, Judge, Lawyer, Park Ranger, Police Officer, Probation Officer, Private Detective, Sociologist, State Patrol Officer

## Recommended Courses Available

AP Government  
 Business Law  
 Biology  
 Contemporary Social Issues  
 Critical Thinking  
 Forensics Science  
 Government  
 Global Issues  
 Medical Terminology  
 Psychology  
 Sociology  
 Sports Medicine  
 World Languages (Spanish & French)



## Interest Inventory

### • Correction Services

Direct the work of correctional officers  
 Restrain, secure and control offenders  
 Guard facility entrances  
 Develop rehabilitation programs  
 Help inmates re-enter society

### • Emergency & Fire Management Services

Administer first-aid treatment  
 Prepare materials for emergency plans  
 Rescue victims from burning buildings and accident sites  
 Dig trenches to create fire lines  
 Drive fire fighting vehicles

### • Law Enforcement Services

Obtain evidence by interviewing witnesses  
 Examine immigration applications, visas and passports  
 Provide testimony in court  
 Receive incoming emergency service calls  
 Maintain order, protect people and enforce laws

### • Legal Services

Sentence defendants in criminal cases  
 Prepare written opinions and decisions  
 Represent clients in court or before government agencies  
 Prepare affidavits and other legal documents  
 Provide word-for-word reports of legal proceedings

### • Security & Protective Services

Create security standards, policies and procedures  
 Install security systems  
 Warn of violations and apprehend violators  
 Protect computer codes and defense secrets  
 Check credentials for military base security

## Recommended Clubs/Activities

Diversity Club, Forensics, Mock Trial, Student Council

# Manufacturing

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

## High School Diploma

Automobile Assembler, Brush Painter, Electronics Assembler, Engraver, Film Processor, Hand Worker, Machine Operator, Mover, Oil Well Driller, Order Filler, Production Assembler

## Associates Degree

Boil-maker, Combination Welder, Computer Technician, Industrial Designer, Locksmith, Machinist, Millwright, Pipe-fitter, Plumber, Steamfitter, Sheet Metal Worker, Tool & Die Maker

## Bachelors or Higher Degree

Electrical Engineer, Engineering Manager, Environmental Engineer, Industrial Engineer, Logistics Specialist, Manufacturing Manager, Music Instrument Design, Production Supervisor

## Recommended Courses Available

Basic Drafting  
Business Law  
Chemistry  
Advanced Drafting w/CAD  
Digital Electronics (PLTW)  
Intro to Engineering Design (PLTW)  
Introduction to Metals  
Metals I & II  
Medical Terminology  
Small Engines  
Woodworking I & II  
Wolverine Works  
Principles of Engineering  
CreaTECH  
Wolverine Works

## Recommended Clubs/Activities

- Future Business Leaders of America
- Robotics

## Interest Inventory

### • Health, Safety & Environmental Assurance

Ensure workplace equipment use for safety  
Plan for safety in new production processes  
Conduct incident and hazard investigations

### • Logistics and Inventory Control

Schedule crews and equipment  
Move materials to production areas  
Load and unload delivery vehicles  
Operate industrial trucks, tractors and loaders

### • Maintenance, Installation & Repair

Repair or replace defective equipment or parts  
Perform routine preventive maintenance  
Inspect drives, motors and belts  
Diagnose and correct mechanical problems

### • Manufacturing Production Process Development

Draft layout of equipment, materials and workspace  
Establish the order of assembling parts  
Develop manufacturing methods  
Research and design mechanical products and equipment  
Inspect, test or measure materials and products

### • Production

Operate production machinery  
Assemble systems of gears  
Fasten piping, fixtures and electrical components  
Inspect finished products

### • Quality Assurance

Compile and analyze laboratory test data  
Assure product performance requirements  
Test products to meet customer specifications

# Marketing

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

## High School Diploma

Antique Dealer, Cashier, Counter Clerk, Customer Service Representative, News Vendor, Retail Salesperson, Street Vendor, Telemarketer, Wedding Planner

## Associates Degree

Advertising Layout Designer, Auctioneer, Buyer, Instrument Sales, Insurance Sales, Real Estate Agent, Travel Agent

## Bachelors or Higher Degree

Account Executive, Business Agent, Fundraiser, Exporter, Logistics Specialist, Manufacturing Sales, Marketing Manager, Public Relations Manager, Purchasing Manager, Real Estate Broker

## Recommended Courses Available

Accounting I & II  
Business Law  
Introduction to Business  
Marketing  
Personal Financial Planning  
Psychology or AP Psych.  
Developmental Psychology  
Sociology  
Web Design

## Interest Inventory

### • Marketing Communication

Prepare advertising and promotional material  
Plan advertising campaigns  
Write interesting and effective press releases  
Maintain the corporate image  
Draft speeches for executives

### • Marketing Management

Coordinate product promotional activities  
Participate in trade shows  
Develop pricing strategies  
Conduct market research  
Project sales for profitability

### • Marketing Research

Study competitors' data and marketing methods  
Measure and assess customer satisfaction  
Forecast and track marketing and sales trends  
Develop pricing strategies

### • Merchandising

Develop merchandise displays  
Change window and interior displays  
Advise customers on merchandise selection  
Purchase merchandise at a favorable price  
Work with vendors to obtain products

### • Professional Sales

Build a new customer base  
Answer questions about products, services and prices  
Recommend products based on needs



## Recommended Clubs/Activities

Diversity Club, Future Business Leaders of America, National Honor Society, Robotics, Student Council, Tri-M, Yearbook

# Science, Technology, Engineering, & Math

The fields of science, technology, engineering and mathematics involve planning, managing and providing scientific research and professional and technical services (such as physical science, social science and engineering). These may include laboratory and testing services, as well as research and development.

## High School Diploma

Electronics Repairer,  
Statistical Clerk, Vending  
Machine Operator

## Associates Degree

Biological Technician,  
Chemical Technician, Drafter,  
Lab Technician, Medical  
Transcriptionist, Nuclear  
Technician, Technical Sales,  
Technical Writer

## Bachelors or Higher Degree

Aerospace Engineer,  
Anthropologist, Astronaut,  
Biochemist, Biologist,  
Botanist, Civil Engineer,  
Electrical Engineer, Ecologist,  
Environmental Consultant,  
Geologist, Mathematician,  
Physicist, Zoologist

## Interest Inventory

### • Engineering & Technology

Design aeronautical or aerospace products  
Provide technical advice regarding design and construction of structures  
Design and develop medical diagnostic equipment  
Read and interpret blueprints and technical drawings  
Collect and analyze air and ground water samples

### • Science & Math

Study plants and animals  
Analyze organic and inorganic compounds  
Devise methods for altering inherited traits  
Apply mathematical theories and techniques to business  
Report results of statistical analyses



## Recommended Courses Available

Biotechnology  
Honors Algebra II/Trig  
AP Statistics  
Pre-calculus / AP Calculus  
AP Biology  
AP Environmental Science  
Chemistry 2 / AP Chem.  
Astronomy  
Earth Science  
Marine Biology  
Physics / AP Physics  
Advanced Drafting w/CAD  
Digital Electronics (PLTW)  
Exploring Technology  
PLTW courses  
Physics / AP Physics  
Wolverine Works

## Recommended Clubs/Activities

Academic Bowl, KMO, Robotics, Science Team,  
Skills USA



# Transportation Distribution & Logistics

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

## High School Diploma

Airport Ground Crew, Bicycle Mechanic, Bus Driver, Deck Hand, Delivery Driver, Dispatcher, Flight Attendant, Mover, Reservation & Ticket Clerk, Taxicab Driver, Tow Truck Driver, Truck Driver

## Associates Degree

Aircraft Mechanic, Automobile Painter, Avionics Technician, Diesel Technician, Electrician, Machinist, Mechanic, Pilot, Railroad Conductor, Security Consultant, Travel Agent

## Bachelors or Higher Degree

Airline Pilot, Air Traffic Controller, Astronaut, Civil Engineer, Customs Broker, Environmentalist, GIS Specialist, Logistics Specialist, Locomotive Engineer, Mining Manager

## Recommended Courses Available

Accounting I & II  
AP Economics  
Business Law  
Geometry  
Introduction to Business  
Marketing  
Speech  
Web Design 1  
Wolverine Works



## Interest Inventory

### • Facility & Mobile Equipment Maintenance

Replace broken components  
Reassemble repaired electric motors  
Rewire and repair electrical systems and accessories  
Supervise repairs and installations

### • Health, Safety & Environmental Management

Enforce health and safety laws  
Inspect workplace environments

### • Logistics Planning & Management Services

Manage route activity  
Control operations by gathering logistics data  
Maintain logistics databases

### • Sales & Service

Oversee regional and local sales managers and staff  
Resolve customer complaints  
Negotiate price and terms of sales and service

### • Transportation Operations

Study expenses to increase profits  
Pilot airplanes  
Operate locomotives

### • Transportation Systems/Infrastructure Planning, Management & Regulation

Study traffic conditions  
Design transportation policies  
Oversee construction of roads, airports and bridges  
Examine transportation vehicles to detect damage

### • Warehouse & Distribution Center Operations

Supervise workers storing and shipping products  
Implement safety and security programs  
Coordinate delivery times

## Recommended Clubs/Activities

Future Business Leaders of America, Outdoor Club, Science Team, Skills USA

# AGRICULTURE

## AGR 100 AGRISCIENCE

Agriscience is the flagship course of the Agricultural Sciences Department and is the gateway to all other courses in the program. Agriscience begins with the scientific method with experiments in the greenhouse. Students explore the carbon cycle and the growth of plants while designing experiments on greenhouse plants. Students then investigate cell biology regularly in the laboratory, learning how different cellular processes enable the productivity of the plants and animals we depend upon. During second semester, students investigate genetics and DNA, concluding with genetic engineering, stem cells, and cloning. Students work closely with plants and animals to discover their inner mechanisms through inquiry and independent learning, enabling students to succeed in a wide range of courses and on the ACT Exam. Agriscience not only prepares students to understand rigorous concepts in science, agriculture, medicine, mathematics, ecology, and engineering, but also prepares them for college and for careers after high school.

- CREDIT: 1.0
- COURSE STATUS: Elective
- GRADE LEVEL: 9-12
- PREREQUISITES: None

## AGR 110 NATURAL RESOURCES - ES\*

Do you enjoy the outdoors? Do you have a passion for the environment? In this class, we learn what we can do to protect and enjoy the natural world while maximizing biodiversity and species richness. Natural Resources is an environmental science course where students learn ecology by regularly working outside in the environment. From assessing the biodiversity of the campus Environmental Center, to performing water chemistry tests on the Fox River, to analyzing climate data from the ice of Antarctica and Lake Mendota, students in Natural Resources perform work and collect information that reflects the threats posed to ecosystems all around the world. Students will explore the main causes of extinction while investigating methods to protect the biodiversity of Earth's fragile ecosystems and ensure that we can con-



tinue to enjoy outdoor recreation for generations to come. This is an ideal course for anyone with an interest in the outdoors or the environment.

\*ES = Science Equivalent Course (this course counts for science credit)

- CREDIT: .5 (One semester)
- COURSE STATUS: Elective
- GRADE LEVEL: 9 - 12
- PREREQUISITES: None

## AGR 210 VETERINARY PET CARE

This is the only class at school with cats and dogs in the classroom! Learn how to keep your pets happy, healthy, and safe with actual classroom animals. You will learn how to perform lifesaving procedures such as CPR and artificial respiration, make diagnoses, and analyze diets and nutrition. You will learn how to bandage an abrasion, stitch a wound, and address any major medical emergency. You will understand what it takes to effectively care for dogs and cats in any situation. This is an ideal class for anyone who loves caring for animals or who wants to pursue a career in a medical field. This class involves opportunities to work with live dogs and cats as well as various other species.

- CREDIT: .5 (One semester)
- COURSE STATUS: Elective
- GRADE LEVEL: 10-12
- PREREQUISITES: Agriscience or Honors Biology

## AGR 220 LARGE ANIMAL VETERINARY SCIENCE

Large Animal Veterinary Science is your chance to make decisions like a doctor, nurse, or veterinarian while you're still in high school. Students in this course begin with an exploration of health and diseases, analyzing pathogens and learning how to reduce the prevalence of disease through the administration of vaccines, antibiotics, and other health measures. Students then explore the reproductive system of mammals, learning how to enable reproduction through management and hormone therapies while preventing reproductive disease and disorders. Next, students explore mammalian nutrition, connecting the components of the diet of an animal to its health and wellbeing. Students conclude the course by assessing animal welfare, facility design, and finish by conducting physical exams on actual cattle in order to determine the appropriate diagnosis for their condition. Students work closely with living animals to gain real-world skills and dissect organs in order to better understand animal systems from the inside-out. In this class, you will be treated like



a veterinary student and you will learn to diagnose and treat actual diseases and disorders. This is an ideal class for anyone who wants a career in a medical, science, or agricultural field. This class can count for college credit for students attending UW-Madison in the fall if they pass the placement exam on campus for Animal Science 101 (see instructor for more details).

- CREDIT: .5 (One semester)
- COURSE STATUS: Elective
- GRADE LEVEL: 10 -12
- PREREQUISITES: Agriscience, or consent of instructor

**\*\*THIS CLASS OFFERED IN 2026-27\*\***

#### **AGR 230**

#### **HOME GARDENING& HORTICULTURE-ES\***

This class is all about how to successfully grow your own backyard garden. Students begin by exploring soil science and plant anatomy, learning how a seed becomes a full grown plant while exploring how to maximize plant performance in a garden. As winter turns to spring, students begin working outside to create gardens, plant seeds, and cultivate the growth of delicious vegetables and colorful flowers. Students will gain useful horticultural skills while learning in-depth lessons about botany and plant physiology. At the end of this course, students gain the ability to grow their own food anytime in a backyard garden.\*ES = Science Equivalent Course (this course counts for science credit)

- CREDIT: .5 (One semester)
- COURSE STATUS: Elective
- GRADE LEVEL: 10 -12
- PREREQUISITES: Agriscience or consent of instructor

**\*\*THIS CLASS OFFERED IN 2025-2026\*\***

#### **AGR 240**

#### **GREENHOUSE MANAGEMENT**

Students in this course spend most of their time in the greenhouse, learning and applying real-world skills needed to grow flowers and vegetables as well as diagnose pathogens, prevent disease, and maximize horticultural performance. Students leave the course able to manage a greenhouse, maximize plant growth, and obtain careers in a horticultural field.

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 10-12
- PREREQUISITES: Agriscience, or consent of the instructor

#### **AGR 250**

#### **LANDSCAPE DESIGN**

Well-designed landscapes raise property values, improve the beauty of the home, and protect the

environment. In this class, you'll learn the principles of design on scale model homes. You'll master hand-drawn landscape plans and drafting before moving on to real-world projects. You'll be given lots of freedom to design projects in teams on and off the school grounds. You will spend much of the semester in the warm spring sunshine turning your designs into real projects in order to create beautiful, well-managed areas.

- CREDIT: .5 (One semester-Spring Only)
- COURSE STATUS: Elective
- GRADE LEVEL: 10-12
- PREREQUISITES: Agriscience, or consent of the instructor

#### **AGR 310**

#### **BIOTECHNOLOGY & BIOENERGY**

Developed in cooperation with federal researchers and university laboratories, this course teaches students how to develop advanced next-generation fuels including biodiesel, ethanol, and biogas. Students work weekly in the agricultural laboratory to develop more efficient and sustainable fuels while exploring their impact on engines and on the environment. Students learn first-rate laboratory techniques and engineering skills while creating the actual fuels that they are studying. Later in the semester, students explore genetic engineering with living organisms, exploring how microbes can be engineered to make sustainable fuels as well as antibiotics, cheese, yogurt, root beer, and other products.

- CREDIT: .5 (One semester)
- COURSE STATUS: Elective
- GRADE LEVEL: 10-12
- PREREQUISITE: Agriscience or Consent of Instructor

#### **AGR 320**

#### **ADVANCED LEADERSHIP**

Do you ever wish you could be more productive, successful, and admired? Do you want to become a more successful leader, a better person, and a stronger student? Advanced Leadership is a course based on the best seller, The Seven Habits of Highly Effective People. Students discover their personality traits, reflect on their relationships with others, and perfect their ability to prioritize and accomplish goals. Students in this course plan their own field trip and design their own final exam. In this course, the students help make the decisions and by May are in charge of running the class.

- CREDIT: .5 (Spring Only)
- COURSE STATUS: Elective
- GRADE LEVEL: 10-12
- PREREQUISITE: None

### AGR 330

#### SUMMER RESEARCH SCHOLARS

The Summer Research Scholars course provides an opportunity for students to develop, conduct, evaluate, and present their own scientific research projects for course credit. College-bound students in grades 10-11 propose summer research projects at the start of the spring semester. These projects should be a long-term investigation or multiple smaller related investigations that would occur over the months of June, July, and August. The projects should be based on original ideas and hypotheses about unanswered scientific questions in agriculture, ecology, engineering, or life science. Students accepted for a Summer Research Scholars project meet weekly in summer to plan their work, discuss their progress, report their findings, and evaluate their results. Participating students are responsible for submitting a progress report midway through their projects. At the conclusion of the project, students deliver a multimedia presentation of their results and findings.

CREDIT: .5 (Summer Only)

COURSE STATUS: Elective

GRADE LEVEL: 11-12 (for following fall; must be in grades 10 or 11 when applying in the spring.

PREREQUISITE: Agriscience, Honors Biology and Consent of Instructor

### AGR 410

#### AGRIBUSINESS & MARKETING

Students in Agribusiness and Marketing learn how to effectively run any kind of business through an in-depth investigation of economics, marketing, and business management. Students first learn how and why people make the decisions that they do, followed by exploring how economics works at a national and international level. Students then move into marketing, investigating how to persuade others to buy their products and services. The class concludes with business management, covering not just how to run a business but also how to pay taxes and invest in a secure financial future. Students not only learn how to succeed in business but also how to succeed in life.

•CREDIT: .5

•COURSE STATUS: Elective

•GRADE LEVEL: 10-12

•PREREQUISITE: None

# ART

### ART 101

#### STUDIO ART 360

The Studio Art course enables new art students to experiment with several art mediums that WUHS Art Department has to offer. Students will experiment with sculpture, drawing, ceramics, painting, photography, and digital arts. Students will develop strong foundational skills using the elements and principles of design and studio practices that can be carried forward into other art coursework.

CREDIT: .5

•COURSE STATUS: Elective

•GRADE LEVEL: 9-12

•PREREQUISITES: None

•COST: An art fee will be assessed

### ART 125

#### DRAWING & PAINTING

This class combines the two most popular 2-D mediums to give students a more well-rounded experience before choosing to focus on either drawing, painting, or both classes separately. Students will focus on the use of the elements and principles of design as well as building their drawing and painting skills. No drawing or painting experience is necessary as you will learn the basic skills needed to be successful, as well as skills to move on to either Advanced Drawing or Advanced Painting. Students will develop skills to create realistic drawings with graphite, colored pencil, and other drawing mediums. They will also learn color theory and color mixing through watercolor, acrylic, and other paint mediums. Quarter 1 will focus primarily on drawing then move onto painting for the second quarter, once students have developed the necessary skills.

•CREDIT: .5

•COURSE STATUS: Elective

•GRADE LEVEL: 9-12

•PREREQUISITES: None

•COST: An art fee will be assessed

**ART 130  
CERAMICS**

Ceramics introduces students to techniques in creating functional pottery. Emphasis will be placed on the Potter's Wheels where students will learn to make cups, bowls, jars, and other usable forms. Techniques off the potter's wheel will be explored as well, such as slab building and coil work. At the end of the semester students should be comfortable on the potter's wheel, and have successful, functional pottery they can use for many years. **(Semester 1 Only)**

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 9-12
- PREREQUISITES: None
- COST: An art fee will be assessed

**ART 143  
MIXED MEDIA & SCULPTURE**

Sculpture and Mixed Media introduces students to non-traditional art materials such as metal, cardboard, printmaking, and other mixed media materials. Clay may also be utilized to create sculptural forms. Both 2-D and 3-D projects will be explored. Emphasis will be placed on pushing work conceptually, as well as technically, and students will be encouraged to develop artwork based on social, cultural, environmental, or other perspectives.

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 9-12
- PREREQUISITES: None
- COST: An art fee will be assessed

**ART 210  
DIGITAL PHOTOGRAPHY**

This course will introduce you to the art of digital photography; shooting with DSLR and composing in Adobe Photoshop. It was designed to provide the student with an introduction to the art, mechanics, applications, history, and importance of digital photographic media. (Use of a digital camera (DSLR) is included as well as 12 pieces of photo paper for the portfolio) Students must purchase a memory card

- CREDIT: .50
- COURSE STATUS: Elective
- GRADE LEVEL: 9 – 12
- PREREQUISITES: None
- COST: An art fee will be assessed

**ART 215**

**ADVANCED DIGITAL PHOTOGRAPHY**

This course will further your skills in digital photographic image making and printing. It is designed to provide the student with opportunities to learn more about the Digital SLR Camera, take Photoshop to a new level of mastery, explore RAW files in photography and create special effects with new applications in Photoshop. We will utilize the basics of good photography practices for application to commercial photography and graphic design. **(Use of a digital camera (DSLR) is included as well as 12 pieces of photo paper for the portfolio) Students must purchase a memory card.**

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 10-12
- PREREQUISITES: Digital Photography
- COST: An art fee will be assessed

**ART 225  
ADVANCED DRAWING**

The Advanced Drawing course will provide art students with more opportunities to develop their drawing skills by working from observation as well as other sources. Students will develop their own artistic style and experiment with several materials such as graphite, charcoal, pastels, India ink, watercolor pencils, and alcohol markers. Drawing human anatomy and facial features will be focused upon in this course.

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 10-12
- PREREQUISITE: Drawing & Painting
- COST: An art fee will be assessed

**ART 231  
ILLUSTRATION:COMPUTER  
& OTHER MEDIA**

Students will use a variety of illustration and graphic design software for logo design, animation, illustration, technical drawing, and other forms of graphic art. Students will incorporate drawing skills on the computer with a drawing tablet and scanning methods into their projects. A background in drawing techniques is beneficial when taking this course, but not required. Design theory, composition, color theory and current graphic design trends will be emphasized.

- CREDIT: .5
- COURSE STATUS: Elective

- GRADE LEVEL: 10-12
- PREREQUISITES: None
- COST: An art fee will be assessed



**ART 235  
ADVANCED CERAMICS**

Advanced ceramics will provide the potter with more opportunities to study clay in depth. Advance techniques in hand building & wheel throwing will be explored. Students will begin to learn how to make, test, and apply their own glazes in class. At the completion of this course, students should have a specialized area of development in ceramics. **(Semester 1 Only)**

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 10-12
- PREREQUISITES: Ceramics
- COST: An art fee will be assessed

**ART 240  
STAINED GLASS**

Stained glass is an art course which explores various techniques involved with glass art. Students will learn the techniques involved with etching and copper foiling. They will master cutting glass, grinding and fitting glass, application of copper foil, soldering, and professional finishing procedures. Simple glass fusions will be introduced as well. By the end of the semester, students will be designing patterns for constructing glass projects. Good drawing skills are an asset. **(Semester 2 Only)**

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 9-12
- PREREQUISITES: None
- COST: An art fee will be assessed plus cost of stained glass

**ART 261  
ADVANCED PAINTING**

Advanced Painting gives you the opportunity to continue to further develop your artistic voice through paint and let your personal ideas, concerns, and passions guide you. Students are challenged to work larger and take on more difficult compositions such as figures, portraiture, and painting from observation.

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 10-12
- PREREQUISITES: Drawing & Painting
- COST: An art fee will be assessed

**ART 316  
AP ART**

The AP Art course is for students interested in a rigorous and focused study in art. Students will develop a quality portfolio that demonstrates a mastery of a concept, composition, and execution in 2D design, Drawing or 3D design. This course is based on a student creating 15 pieces of a sustained investigation of inquiry and the quality of selected works. This portfolio will be submitted to the College Board for college credit. As in any college-level course, students will be expected to spend a considerable amount of time outside of class in order to complete assignments. All of the following art media types are eligible for AP credit: Drawing, Painting, Mixed Media, Ceramics, Photography, Sculpture, and Digital Illustrations.

- CREDIT: 1.00
- COURSE STATUS: Elective
- GRADE: 11-12
- PREREQUISITES: At least one of the following courses: Drawing, Painting, Photography, or Ceramics. The student must be able to demonstrate advanced drawing, 2D or 3D skills with at least four high quality works of art and obtain approval from Mrs. Lintner or Mr. Roberts.
- COST: An art fee will be assessed each semester

**ART 345  
ADVANCED STAINED GLASS**

This class is a continuation on the techniques from Stained Glass with the introduction to more complex projects and more focus on fusing projects. Students will learn to plan, measure, and construct glass designs using the kilns to create melted forms such as serving dishes or sculptural forms through melted glass. This is a very unique experience not common in most high schools. **(Semester 2 Only)**

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 10-12
- PREREQUISITES: Stain Glass
- COST: An art fee will be assessed plus cost of stained glass

**ART 410  
INDIVIDUALIZED ART**

Individualized Art is a course offered for a small number of talented students who want to pursue more knowledge in a specific area of art. This course is available to students who have achieved a letter grade of B or higher in previ-



ously offered classes within that medium and have instructor approval. The curriculum will be developed individually. This class will enable students opportunities to create art and develop their own art style. Permission must be obtained from the instructor to take this course. It is preferred students are scheduled with another advanced course in that medium.

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE: 12
- PREREQUISITES: Permission of Instructor
- COST: An art fee will be assessed plus cost of materials used excessively.

### ART 415

#### MOVIE MAKING & VIDEO PRODUCTION

This course is an intensive hands-on introduction to video production. Students will acquire basic camera, lighting, audio, and video editing skills while creating and editing several short and diverse video projects. Projects will have both creative and professional applications from dramatic shorts to promotional videos. Much of the skills learned in Digital photography is applicable to movie making. Students will shoot video with DSLR cameras, tablets and mobile devices, and are also encouraged to bring in other devices they may have such as video drones, or action cameras like GoPros.

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 9-12
- PREREQUISITES: None
- COST: An art fee will be assessed

## BUSINESS & INFORMATION TECHNOLOGY

### BUS 101



#### PERSONAL FINANCIAL LITERACY

This course considers finance from the perspective of the individual in setting financial goals, developing a personal budget and cash flow management. Topics also include consumer credit, income taxes, personal insurances, purchasing a home, lending versus buying automobiles, investments, retirement and estate planning, managing digital identity and personal data to maintain digital privacy and security, and respecting intellectual property rights.

- CREDITS: .75
- COURSE STATUS: Required & Optional Dual Enrollment

- GRADE LEVEL: 9-12
- PREREQUISITES: None



### BUS 110

#### INTRODUCTION TO BUSINESS

A Gateway college dual credit course. This course helps students develop an understanding of how businesses function in today's society. Economic influences and concepts, business and marketing terminology, and business management are the featured topics. Students will learn about the essentials to operating and creating a business from creating a product to getting funding. They will get a feel for the topics and concepts of several different business classes as this class serves as the entry into the various areas of business education.

- CREDIT: .75
- COURSE STATUS: Optional Dual Enrollment
- GRADE LEVEL: 9-12
- PREREQUISITES: None

### BUS 135

#### COMPUTER APPS/BUSINESS

This class comes with the opportunity to become a Microsoft Office Specialist with an industry certification. Business Computer Applications focuses on students becoming certified Microsoft Office Specialists through Word, PowerPoint, and Excel programs. Microsoft Office is still broadly used in the business world as the leading communication and organization tools. Students will have the opportunity to earn certification in those programs greatly increasing their employability skills and boosting their resume. Afterwards, a focus on Adobe Illustrator, Photoshop, and other helpful computer programs will be looked at.

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 10-12
- PREREQUISITES: None

### BUS 210

#### BUSINESS LAW

Business Law covers the basics of laws and how the legal system works. Other units include criminal, civil, employment, and contract law. This course blends the legal concepts used in everyday living, such as how arrests work, what to expect when suing and getting sued, and the steps in criminal and civil trials; along with the application of the law from a business perspective in the form of business scandals, ethics, corporate liability, and the rights of employers and employees.

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 10-12
- PREREQUISITES: None

**BUS 250  
WEB DESIGN 1**

Students will learn to create web pages and web sites using HTML and CSS. They will learn how to add links and images. They will use tables and layers for better web page design. This course will also introduce the use of many common webpage functionalities such as iframes, drop menu, bootstrap components, and many more to add versatility to the websites they create. This course will provide students with the basic skill necessary to both create and manage a simple web site.

- CREDIT: .5 (Gateway Credit if you also take Intro to Networking)
- COURSE STATUS: Elective
- GRADE LEVEL: 10-12
- PREREQUISITES: None

**BUS 252  
VIDEO GAME DEVELOPMENT**

Video Game Development provides students with an understanding of the technological and creative aspects of video game development. This curriculum focuses on the development software used to create basic games. Students will use Unity, a game engine software, to create realistic and complex games as well explore the various aspects of creating a video game. There will also be units on game design and level design theory to provide a rounded perspective on creating a successful game. An emphasis will be put on critical thinking and problem solving situations through a flexible, student driven curriculum.

- CREDIT: .5  
COURSE STATUS: Elective  
GRADE LEVEL:10-12  
PREREQUISITES: None

**BUS 260  
ACCOUNTING 1**

Accounting 1 is an introduction to the field of accounting. Fundamental concepts of the accounting process including financial statement preparation, journal entries, posting, adjusting and closing entries. Cash, inventory, receivables, payables, and plant assets including depreciation methods are also covered.

- CREDIT: 1.0
- COURSE STATUS: Optional Dual Enrollment
- GRADE LEVEL: 10-12
- PREREQUISITES: None

**BUS 310  
MARKETING**

A Gateway college dual credit course. Students will learn about business management and vari-

ous areas of marketing with an emphasis placed on developing the four P's of marketing mix: product, price, place, and promotion for many different products and services. Ideas such as supply chain management, branding, pricing tactics, and promotional campaigns will be addressed through class discussion and group projects to apply the concepts.

- CREDIT: .75
- COURSE STATUS: Optional Dual Enrollment
- GRADE: 11-12
- PREREQUISITES: Intro to Business recommended

**BUS 360  
ACCOUNTING 2**

In this course, learners will focus on accounting for corporations. Students will complete the accounting cycle for a corporation including financial statement preparation. Other topics covered will include accounting for stockholders' equity, correcting entries and error analysis. Students will also investigate appropriate internal controls and identify ethical considerations for processing financial transactions.

- CREDIT: 1.0
- COURSE STATUS: Elective
- GRADE LEVEL: 11 - 12
- PREREQUISITES: Successful completion of Accounting I

**DRIVER EDUCATION**

**DRV 201  
Driver Education Semester 1  
DRV 202**

**Driver Education Semester 2**

This course meets everyday for one semester. The classroom will consist of 72 hours of instruction. Students who failed to acquire a minimum of 5 credits during their freshman year in high school will not be eligible to take this course. It is advised that a student have a strong commitment to learning and actively seek out information in order to do well in this class and to be a safe motorist. Safe driving techniques take priority over the fact of attaining a driver's license. The current price for behind the wheel is \$400. This could increase slightly in the future. Behind-the-Wheel is scheduled separately and may or may not take place during the same semester as the class, depending on the age of the student. **For 1st semester classes, the student must be age 15.**

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 10

•**PREREQUISITES:** This class is offered to any sophomore, junior or senior. Freshmen might be able to enroll (second semester) only if they:

1. Earn the required credits - 3.0 by end of first semester

2. **Meet the age requirement - Student must meet age requirement of being 15.**

3. **ONLY** if there are openings in the class. The oldest freshmen will be considered first. Guidelines from the Department of Motor Vehicles will also be followed regarding student enrollment.



## ENGLISH

### ENG 100 ENGLISH 9



English 9 100 is a full-year freshman course designed to teach students basic skills in using the English language, in writing compositions, and in interpreting the various forms of literature. Language study centers around grammar and usage. Literary study focuses on the short story, the novel, drama, and poetry.

•**CREDIT:** 1.0

•**COURSE STATUS:** Required

•**GRADE LEVEL:** 9

•**PREREQUISITES:** Placement based on grades in English and language arts in eighth grade and scores on the 8th grade standardized testing. Final placement will be determined by the registration committee.

### ENG 105 HONORS ENGLISH 9



Honors English 9 is a full-year freshman course that emphasizes the close reading of major literary genres and responding to them through discussion, writing, and projects. Honors English 9 focuses on effective use of the English language through written and verbal communication.

Additionally, it is intended to prepare above average students for future honors and advanced placement classes.

•**CREDIT:** 1.0

•**COURSE STATUS:** Required

•**GRADE LEVEL:** 9

•**PREREQUISITES:** Students must have achieved a B grade in English and language arts in eighth grade and have scored within the "advanced" range on both the language/writing and reading sections of the 8th grade standardized testing. Final placement will be determined by the registration committee.

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### ENG 110 DRAMA

This course is an introduction to Theatre with an emphasis on performance in front of an audience. Included is a study of the history of theatre and the production of a play including technical elements of design. Students will have the opportunity to create a character, work on stage movement, oral interpretation of a character and collaborate with peers. Students will be required to see the plays produced by the English Department, as well as put in hours working in the scene shop. Students may elect to take Drama as the required speech credit for graduation.

•**CREDIT:** .5

•**COURSE STATUS:** Required or elective

•**GRADE LEVEL:** 9 - 12

•**PREREQUISITES:** None

•To earn Dual Enrollment credit students must be 10th-12th grade standing; have a GPA of 2.75 (on a 4.0 scale); be in the top 30% of their class

•**COST:** \$330

•Optional Dual Enrollment

### ENG 120 ACTING/ PERFORMANCE SPEECH

This course provides a niche for the artistically talented student wishing to develop and understand the art of performance. Major concepts to be included in the course are vocal projection, clarity of speech, physical expressiveness, a sense of perspective, emotional availability, a well-developed imagination, the ability to analyze and understand dramatic text, and the ability to emulate or generate emotional and physical conditions. Students will read six plays from different historical periods analyzing playscripts for elements of a character. In addition students will understand the purpose of and participate in improvisation games and present character monologues and scenes for critique. Students may also be required to attend live performances by professional acting companies. (This class



counts as an elective credit for graduation, but not as part of the English requirement.)

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 9 - 12
- PREREQUISITES: None

### ENG 130 THEATER PRODUCTION

Theater Production is a one-semester course focused on acting skills, collaboration, and technical production. Students will produce 2 plays each semester by portraying characters, creating publicity, gathering costumes and building the set for each production. The students will use critical thinking to solve technical and artistic problems inherent to the creation of each play. First semester includes an intensive one-act competition play. This course may require rehearsal after school in preparation for performances.

- CREDIT: .5
- COURSE STATUS: Elective (Counts as elective credit for graduation, but not as a part of the English requirement.)
- GRADE LEVEL: 9-12
- PREREQUISITE: Any of following: Costume & Makeup, Technical Theatre, Acting or by audition; may be repeated

### ENG 140 THEATRICAL COSTUME & MAKEUP

**\*This class will be offered in the year 2026-2027\***

Theatrical Costume and Makeup is a course designed for the student who shows a special interest in costume, makeup and hair for the theatre. Students will design and create costumes for specific characters, actors and for themselves. The use of makeup in theatre will be explored with specific characters created from research, and students will learn application techniques.

- CREDIT: .5
- COURSE STATUS: Elective (Counts as elective credit for graduation, but not as a part of the English requirement.)
- GRADE LEVEL: 9 -12
- PREREQUISITE: Drama or Acting - may be repeated

### ENG 200 ENGLISH 10

English 200 is a full-year course which focuses on application of language skills and analysis of literature around a variety of themes. Students will



read one classic novel and two classic dramas, and write several essays during the course which will lay a solid foundation for future literature and composition courses.

- CREDIT: 1.0
- COURSE STATUS: Required
- GRADE LEVEL: 10
- PREREQUISITES: English 9 and teacher recommendation



### ENG 205 HONORS ENGLISH 10

Honors English 205 is a full-year course which will help to develop in students the ability to think clearly, logically, and critically. Emphasizing interpretation of the major literary genres, the course will enhance students' analytical skills. Honors English 10 will also focus on effective use of the English language through written and verbal communication. Moreover, this course will lay the foundation for above average students to succeed in future honors and advanced placement classes.

- CREDIT: 1.0
- COURSE STATUS: Required
- GRADE LEVEL: 10
- PREREQUISITES: Students must be recommended by their ninth grade English teacher(s) for placement in Honors 10 or have earned at least a B- grade in both semesters of ninth grade English.

### ENG 210 SPEECH

Speech is a one-semester course which is one of three courses offered that will fulfill the speech requirement for graduation. The class is open to any student, sophomore through senior year, thus it has a heterogeneous mixture of students. The course is designed and highly recommended for students planning to pursue their education in college or the tech-prep field of study. This course expects beginner mastery-level accomplishment in each of these content areas: the elements of communication (how communication affects life, the process of communication, and listening); interpersonal communication; preparing for communication (building confidence, preparing for speeches, choosing effective language, delivering speeches); types of public speaking (speaking to inform, speaking to persuade, other kinds of speaking); and debate.

- CREDIT: .5
- COURSE STATUS: Required or elective
- GRADE LEVEL: 10- 12
- PREREQUISITES: None



**ENG 230  
TECHNICAL THEATER**

**This class will be offered the year 2025-26**

This class is fully immersive in nearly all areas of theatre that take place offstage. From managing your theatre company, to designing lights and sound for a show - this course prepares the theatre student to take on numerous tasks! This course is designed for the student who shows a special interest in the management and design areas of theatre, and will equip the student with numerous skill sets that will be of benefit in a career in the arts.

- CREDIT: .5
- COURSE STATUS: Elective (Counts as elective credit for graduation, but not as a part of the English requirement.)
- GRADE LEVEL: 9-12
- PREREQUISITE: Drama, acting, costumes and make-up or Theatre Production; may be taken concurrently; may be repeated

**ENG 300  
COMPOSITION**



Composition 300 is an English course that meets the writing course requirement for junior-level students. The course consists of a study of diction, sentence structure, the paragraph, longer compositions, and the research paper. The course is designed to prepare students for college-level writing courses by teaching them to apply strategies for generating ideas, drafting, revising, and editing so that they can produce an articulate, readable text. Students enrolling in Composition 300 should have a solid background in basic English, including skills in grammar, usage, mechanics, note taking, and sentence structure. Students are placed in Composition 300 according to teacher recommendation.

- CREDIT: .5
- COURSE STATUS: Required
- GRADE LEVEL: 11
- PREREQUISITES: English 9 & 10 and teacher recommendation

**ENG 305  
HONORS COMPOSITION**



Honors Composition will help students to communicate their ideas more clearly through written language. In strengthening skills related to written communication, students will develop the ability to think clearly, logically, creatively, and critically about various topics as they write

in a myriad of essay forms. Furthermore, this course will enrich the education of above average students and provide a springboard for further development in prospective honors and advanced placement courses.

- CREDIT: .5
- COURSE STATUS: Required
- GRADE LEVEL: 11-12
- PREREQUISITES: English 9 & 10 & teacher recommendation

**ENG 309  
WRITING FOR THE WORKPLACE**

Writing for the Workplace is a course that fulfills the composition requirement for juniors. Instruction will focus on writing activities that have a workplace and technology emphasis. Students will also review and refine basic writing skills such as sentence structure, organization, and mechanics.

- CREDIT: .5
- COURSE STATUS: Required
- GRADE LEVEL: 11
- PREREQUISITES: English 9 and 10 and teacher recommendation

**ENG 310  
AMERICAN LITERATURE**



American Literature 310 is a course that fulfills the literature requirement for the junior and senior years. It includes a chronological survey of the development of our literature and illustrates American culture, heritage and tradition through its literary development. Students will demonstrate their ability to think and read critically through classroom projects, discussion, and activities. This course is intended for students planning to attend college and meets the AP literature requirement for junior year.

- CREDIT: .5
- COURSE STATUS: Required or elective
- GRADE LEVEL: 11-12
- PREREQUISITES: English 9 & 10

**ENG 315  
HONORS AMERICAN LITERATURE**



Honors American Literature is a one-semester course that fulfills the literature requirement for the junior and senior years. It includes a survey of American literature and its development in relation to American history, culture, tradition, and literary movements. The course is intended to develop in students the ability to think and read critically as well as use the English language effectively in both written and oral com-

munication. Moreover, the course will lay the foundation for above average students to succeed in future honors and advanced placement classes; this course meets the AP Literature requirement for junior year.

- CREDIT: .5
- COURSE STATUS: Required or Elective
- GRADE LEVEL: 11
- PREREQUISITES: English 9 & 10 - students must be recommended by their 10th grade English teacher(s) or have earned at least a B- grade in both semesters of English 10.



### ENG 319

#### SPORTS LITERATURE & WRITING

Students in this one-semester course will acquaint themselves with various literary selections: poems, stories, essays, plays and biographies. The subject is sports--and the relation of sports to life--as seen from the perspective of some of the finest contemporary writers in the sports realm. Through course activities, both written and oral, students will understand how sports shape lives and cultures as well as come to realize they are all sports participants in the game called "life." (This course does not meet the AP Literature prerequisite for junior year.)

- CREDIT: .5
- COURSE STATUS: Required or Elective
- GRADE LEVEL: 11-12
- PREREQUISITES: Junior standing



### ENG 320

#### ENGLISH LITERATURE

English Literature is a semester course consisting of a chronological survey of British literature from Anglo-Saxon times to the 20th century. Through classroom discussion, writing activities, and various projects, students will demonstrate their ability to read critically. This course provides strong college preparation and meets the AP Literature prerequisite for junior year.

- CREDIT: .5
- COURSE STATUS: Required or Elective
- GRADE LEVEL: 11-12
- PREREQUISITES: Junior standing and teacher recommendation.



### ENG 330

#### MULTICULTURAL LITERATURE

Multicultural Literature is a one-semester course that emphasizes critical reading of literature and responding to it through discussion, writing, and projects. The course also focuses on effective

use of the English language through written and verbal communication. Furthermore, the basis of study stems from the various cultures the course covers throughout the semester. Cultural heritage and identity, stereotypes, and diverse writing styles based on cultural differences are among the topics that will be explored. This course provides college preparation and meets the AP Literature requirement for junior year.

- CREDIT: .5
- COURSE STATUS: Required or Elective
- GRADE LEVEL: 11-12
- PREREQUISITES: Junior standing and teacher recommendation



### ENG 335

#### COMM 110 -INTRO PUBLIC SPEAKING

COMM 110 is a beginning college course in principles of oral communication designed to help students increase their effectiveness in public speaking and interpersonal communication through learning current theory and developing skills through actual classroom experiences. This one semester course is one of three that meets the Speech graduation requirement. The major goal of the course is to teach students practical skills that can be used in "real life" speaking situations, and the confidence to use these skills. Students will focus on proper written and oral communication as they work to deliver presentations throughout the semester. High school juniors or seniors who meet at least one of these requirements are eligible to enroll in PIE courses offered at WUHS.

- You have a GPA of at least 3.0 on a 4.0 scale – or

- You have an ACT score of 22 or higher

**Students who enroll in a PIE course can earn three college credits (per course) upon achieving a minimum grade of C.**

- CREDIT: .5
- COURSE STATUS: Dual Enrollment
- GRADE LEVEL: 11-12
- PREREQUISITES: Junior standing plus requirements listed above.
- COST: \$330



### ENG 339

#### CLASSICS OF HORROR

The subject of this class is horror—and the relation of it to life—as seen from the perspective of some of the finest contemporary and classic writers in the genre of horror literature. Students will become more sensitive listeners and

critical thinkers as they explore the “dark side” of the literary imagination through the study of masterpieces of horror literature. Various sub genres of horror and the writers’ techniques of developing character and building atmosphere through action and description will be studied. This course does not meet the AP Literature prerequisite for junior year, but it does meet the general literature requirement for juniors and seniors.

- CREDIT: .5
- COURSE STATUS: Required or Elective
- GRADE LEVEL: 11-12
- PREREQUISITES: Junior Standing



### ENG 345

#### ENGLISH 101: Introduction to College Writing and Reading

English 101 is an introduction to the reading and writing of college-level prose. In the course, students will engage in the study of short stories, novels, and essays and demonstrate learning through the composition of short papers and essay examinations. In this class students will become more familiar with what constitutes good writing and a variety of literary genres. As they refine their interpretive skills, students will also develop as articulate, purposeful writers and thinkers. High school juniors or seniors who meet at least one of these requirements are eligible to enroll in PIE courses offered at WUHS.

- You have a GPA of at least 3.0 on a 4.0 scale – or
- You have an ACT score of 22 or higher

**Students who enroll in a PIE course can earn three college credits (per course) upon achieving a minimum grade of C.**

- CREDIT: .5
- COURSE STATUS: Dual Enrollment REQUIRED OR ELECTIVE
- GRADE LEVEL: 11-12
- PREREQUISITES: Junior standing plus requirements listed above.
- COST: \$330



### ENG 349 HUMANITIES

Humanities is a semester-length course that explores various modes of human expression. Students will study culture, art, literature, film and music through individual and group activities. This course does not meet the general literature

requirement for juniors and seniors or the AP Literature prerequisite.

- CREDIT: .5
- COURSE STATUS: Required or Elective
- GRADE LEVEL: 11-12
- PREREQUISITES: Junior standing



### ENG 359 CREATIVE WRITING

Creative writing is a one-semester course that will develop a student’s writing skills in the various genres of literature including the short story, memoir, poetry, script writing and children’s literature. By studying the effective use of language, students will write creative, well-composed literature. Students who take this course should enjoy writing. (This course does not meet the junior composition requirement.)

- CREDIT: .5
- COURSE STATUS: Required or Elective
- GRADE LEVEL: 11-12
- PREREQUISITE: Passing grades in both semesters of English 9 and 10



### ENG 379 SCIENCE FICTION LITERATURE

Science Fiction Literature is a one-semester course that provides students with an overview of classic and contemporary science fiction short stories and novels. The course also looks at the historical events and technological achievements through the 20th and 21st centuries and how both writers and technology influenced each other. The goal of the class is to provide students with the knowledge and enthusiasm for science fiction so that, after the class has ended, they will continue to choose their own novels and continue to read on their own. (This course does not meet the AP Literature prerequisite for junior year.)

- CREDIT: .5
- COURSE STATUS: Required or Elective
- GRADE LEVEL: 11-12
- PREREQUISITES: Junior standing



### ENG 405 AP ENGLISH LITERATURE

Advanced Placement English Literature is a full-year course that emphasizes close reading of prose, poetry and novels with analytical and critical response through discussion and writing. This is an advanced class for students with a high level



of work ethic and academic proficiency. It will prepare students to take the AP Exam in English Literature.

- CREDIT: 1.0
- COURSE STATUS: Elective
- GRADE LEVEL: 12
- PREREQUISITES: Senior standing and teacher recommendation. Junior courses including American Literature, Honors American Literature, English Literature, and Multicultural Literature, and Honors Comp recommended.
- SUMMER PREREQUISITE: During the summer before their senior year, AP students will read two novels.



### ENG 410 CRITICAL THINKING

Critical Thinking is a course that teaches students basic logic and promotes the application to real-life situations. It makes use of formal essays, debates, projects, and student initiated assessments. This is an advanced course for students with high academic proficiency and provides strong college preparation.

- CREDIT: .5
- COURSE STATUS: Required or Elective
- GRADE LEVEL: 12
- PREREQUISITES: Senior standing and teacher recommendation

## FAMILY & CONSUMER SCIENCE

\*\*\*ALL FOOD CLASSES HAVE A COST \*\*\*

### FCS 100 FOOD & NUTRITION 1

Foods 1 is an elective course for students, freshman through senior. This is an introductory course where students learn basic food preparation and nutritional principles necessary for independent living and advanced cooking classes. Units include safety & sanitation, measuring, knife skills, nutrition, baked products, dairy, fruits, grains and eggs and cookies.

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 9 - 12
- PREREQUISITES: None



### FCS 104 BAKING

Students will learn the what, why and how of professional baking, as well as the function and nutritional values of the product prepared. Students will produce high quality baked goods and pastries. Units include bakeshop basics, quick breads, pies and pastries, yeast breads, cookies, cakes, and basic cake decorating.

- COURSE STATUS: Elective
- GRADE LEVEL: 10 - 12
- PREREQUISITES: Foods 1

### FCS 110 FOOD & NUTRITION 2

Foods 2 follows Foods 1 and stresses more complex cooking skills. This course applies the nutritional skills from Foods 1 and covers units in meats, poultry, vegetables, soups, cakes, yeast breads and pastries. This is good preparation for International Foods, and Culinary Skills 1.

- CREDITS: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 9 - 12
- PREREQUISITES: Foods 1

### FCS 120 NUTRITION FOR SPORTS/LIFE

Nutrition for Sports/Life informs the student-athlete and health conscious student about the body processes. The course will unveil the misconceptions related to health trends and products. Whether a student is getting ready for a meet, a race, a match, a big game, or a test, this course will help students to reach his or her best level of health and wellness. The class will focus on the body's response to quality preparation, and the dividends it will pay, not only at the high school level of competition, but throughout a lifetime as well. Healthy snacks will be provided throughout the course, as well as a couple opportunities to make healthy food in the lab.

- CREDITS: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 9 - 12
- PREREQUISITES: None

### FCS 130 APPAREL CONSTRUCTION 1

This class emphasizes basic clothing construction skills. It involves planning, purchasing supplies and completing projects. Fabrics, fibers, patterns, machine operation and basic construction tech-



niques are emphasized. Projects include a simple straight stitched project, and then a project from a manufactured pattern and then choice projects. Approximate cost for semester's supplies is \$50.

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 9-12
- PREREQUISITES: None

#### FCS 140

##### INTRO TO HEALTH CARE CAREERS

This course is open to students in grades 9-12. It is recommended to those interested in exploring the medical field as well as those interested in being informed consumers. Students will explore employment possibilities, technological skills, education needed to advance, health care trends, legislation, ethics, human behavior, medical terminology, body systems and diseases. Guest speakers, field trip opportunities to various hospitals/school will give students the professional outlook on health care careers.

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 9-12
- PREREQUISITES: None

#### FCS 150

##### HOUSING & INTERIOR DESIGN

Housing and interior design is an elective course for those students interested in a career in the housing field or designing the interior of their own homes. Students will examine social and personal aspects in home selection, architectural details, interior design, trends and principle of art. A study of housing careers will be included. Applications will be demonstrated by completing various design projects.

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 9 - 12
- PREREQUISITES: None

#### FCS 210

##### INTERNATIONAL FOODS

This course will introduce students to the world of international and regional foods. Students will examine the history, culture and traditions of various countries to gain a better understanding of the origins of ethnic and regional cuisine. Students will prepare and sample a variety of international and regional foods. Cuisines highlighted include Mexico, France, Germany, Spain, England, Scandinavia, Japan, Africa, China, Korea, and Middle East.

- CREDITS: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 10-12
- PREREQUISITES: Foods 1 and Foods 2

**\*This class will be offered in the year 2025-26\***

#### FCS 230

##### APPAREL CONSTRUCTION 2 - FASHION DESIGN

This course builds upon the basic skills developed in Apparel Construction 1. Students will study various clothing styles and fashion trends. A report about a famous fashion designer will be required. **All fashion designers need to know how to sew.** Construction of class projects will incorporate the use of special sewing techniques. Topics will include fashion basics, history of fashion, fashion industry, and various construction techniques. Offered 2nd semester only.

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 10, 11, 12
- PREREQUISITE Apparel Construction 1

#### FCS 240

##### PARENTING

This course covers the role of a parent in a child's development and is designed for those who wish to work with children. It is the first level course, followed by Child Development to obtain an Assistant Child Care Teacher (ACCT) Certification and be able to work in a day care setting at age 17. Students will explore and analyze their own readiness, responsibilities, parenting styles and choices for the role of parenthood. Students will examine each stage of childhood and the challenges of parenting during that developmental state (emotional, intellectual, social and physical). •CREDIT: .5

- COURSE STATUS: Elective
- GRADE LEVEL: 10-12
- PREREQUISITES: None - This class gives ACCT license if taken with Child Development.

#### FCS 250

##### FOOD SCIENCE

The Food Science course will expose students to careers in the growing field of food science and food technology. In this course, we will look at why food is produced the way it is. We will also look at food analogs, sensory evaluation, fermentation, candy making, why certain additives are added to the foods we eat and purchase, how foods are preserved, as well as trends in the food industry. This class counts as an elective credit. This class is open to sopho-

mores-seniors.

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 10 - 12
- PREREQUISITE: None

### FCS 260

#### PERSONAL & FAMILY RELATIONSHIPS

This course is designed to help students learn how to build and improve their relationships with others. The course teaches basic skills for living and includes coping, communication, problem solving, and resolving conflict. It examines life changing issues, such as divorce, changes in the family unit, healthy relationships, marriage, social media, self-esteem, personality, mental health, ways to handle stress and grief.

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 10-12
- PREREQUISITES: None

### FCS 310

#### INDEPENDENT LIVING SKILLS

Independent living skills is designed to help students gain a better understanding of the roles and responsibilities they are already experiencing or will soon be experiencing when they live on their own. The course includes decision making, budgeting, selecting, furnishing and maintaining housing, purchasing and preparing nutritious meals, selecting and caring for a wardrobe, and the use of hand and machine sewing. The course is very project oriented.

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 11 - 12
- PREREQUISITES: None



### FCS 320

#### CULINARY SKILLS 1

This class is offered through Gateway. Culinary Skills 1 helps students further enhance their culinary skills and prepare them for a culinary career. Skills learned include knife handling skills, safety and sanitation, the use of commercial food service equipment, introduction to hospitality management principles. Menu planning and catering is also practiced throughout the year. Prostart certification can also be achieved throughout the year and students are eligible to compete in the Culinary and Management Prostart Wisconsin competition.

- CREDIT: 1.0
- COURSE STATUS: Optional Dual Enrollment
- GRADE LEVEL: 11 - 12
- PREREQUISITES: Foods 1 & 2

### FCS 340

#### CHILD DEVELOPMENT/

#### ASSISTANT CHILD CARE TEACHER (ACCT)

This course introduces students to working with toddlers, and children under 12. Child development, teaching strategies, guidance activities and learning theories will be discussed and applied. This is an excellent course for those interested in parenting, working in the child care industry or becoming a teacher. If this course is taken with Parenting, students will become a Certified Assistant Child Care Teacher and will be able to work in a day care setting at age 17. Field trip opportunities include: Milwaukee County Zoo and Woodfield Elementary School.

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 11 - 12
- PREREQUISITES: If parenting has been taken, student can get ACCT licensed.

### FCS 410

#### SENIOR FOODS

This class is designed for the student who had little time in his/her elective schedule to experience a foods class. It is geared toward the student who is interested in developing survival skills for college and trying out a variety of recipes. Senior Foods will help students learn to make wise food choices relating to nutrition and fitness as they sort through today's ever expanding array of food options. The course encourages students to make wise food choices in snacks, convenience foods, restaurant foods and home cooking.

- COURSE STATUS: Elective
- GRADE LEVEL: 12
- PREREQUISITES: None



### FCS 415

#### HOSPITALITY

Students will learn about the four career clusters within the hospitality industry. Students will apply concepts of quality service to ensure customer satisfaction and skills involved in hospitality and lodging occupations. Students will be able to create hands on projects for catering and recreational events. They will also have the opportunity to take various field trips such as touring Fiserv Forum. Guest speakers will provide more information on specific job related industries. They will also have to participate and respond to case studies which will involve critical thinking and problem solving specific industry related issues. Units include: Lodging, travel

and tourism, recreation, amusement, attractions, resorts, event planning, and restaurant and food beverage service.

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 9-12
- PREREQUISITES: None

### FCS 419

#### CERTIFIED NURSING ASSISTANT

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

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 11-12 ( Must be at least 16 years old by the end of coursework )
- PREREQUISITES: 2.6 CUM GPA or 15 on ACT Reading or >237 on Accuplacer Reading
- COST: \$240 (application, background check, and CNA certification exam) and individual scrubs

## MATHEMATICS

### MTH 100 ALGEBRA 1



This course is a foundation for higher math courses. Topics include seeing structures in expressions, doing arithmetic with polynomials and rational functions, creating equations, and reasoning with equations and inequalities.

- CREDIT: 1.0
- COURSE STATUS: Required

- GRADE LEVEL: 9-10
- PREREQUISITES: None
- COST: NumWorks calculator required & a notes binder from our book store



### MTH 106 HONORS GEOMETRY

Geometry is the study of mathematics that applies the principles of Algebra to the physical world. The student develops spatial relationships, inductive and deductive reasoning processes, clarity and precision of language, and further strengthening of basic mathematical skills. Topics covered include logic, parallelism, measurements, polygons, congruency, and coordinates. A systematic logical approach will be emphasized in the proof of theorems. Geometric investigations and real world applications of geometry will be stressed. Moreover, this course will lay the foundation for above average students to succeed in future honors and advanced placement classes.

- CREDIT: 1.0
- COURSE STATUS: Required
- GRADE LEVEL: 9-12
- PREREQUISITES: Successful completion of Algebra I and/or Placement by registration committee prior freshmen year.
- COST: Recommended to have NumWorks calculator but any graphing calculator currently owned is acceptable & a notes binder from our book store



### MTH 110 GEOMETRY

Geometry is the study of mathematics that applies the principles of Algebra to the physical world. The student develops spatial relationships, inductive and deductive reasoning processes, clarity and precision of language, and further strengthening of basic mathematical skills. Topics covered include logic, parallelism, measurements, polygons, congruency, constructions, and coordinates.

- CREDIT: 1.0
- COURSE STATUS: Required
- GRADE LEVEL: 10-12
- PREREQUISITES: Successful completion of Algebra I
- COST: Recommended to have NumWorks calculator but any graphing calculator currently owned is acceptable & a notes binder from our book store



### MTH 201

#### HONORS ALGEBRA 2 w/TRIGONOMETRY

This course is designed to further the knowledge of concepts learned in Algebra I and Accelerated Geometry, by working with the real and complex numbers, logarithms, elementary function, trigonometry and application. The student that takes this course will take Pre-Calculus and eventually Calculus.

- CREDIT: 1.0
- COURSE STATUS: Elective
- GRADE LEVEL: 10-12
- PREREQUISITES: Successful completion of Honors Geometry
- COST: Recommended to have NumWorks calculator but any graphing calculator currently owned is acceptable & a notes binder from our book store



### MTH 210 ALGEBRA 2

This course is designed to further the knowledge of concepts learned in Algebra I and Geometry, by working with the real and complex numbers, logarithms, and elementary functions. This course DOES NOT COVER TRIGONOMETRY. YOU WILL NOT BE ABLE TO TAKE PRE-CALCULUS IF THIS COURSE IS TAKEN.

- CREDIT: 1.0
- COURSE STATUS: Required
- GRADE LEVEL: 10-12
- PREREQUISITES: Successful completion of Geometry or Honors Geometry
- COST: Recommended to have NumWorks calculator but any graphing calculator currently owned is acceptable.



### MTH 220 STATISTICS

The one semester course will include topics which students need as a background for further statistics study in post-high school work and for interpreting data a student will face in everyday living. An example of some of the topics are gathering data; organizing the collected data; determine the mean, median, and mode; analysis of the data; constructing stem-and-leaf plots, box plots, and scatter plots; hypothesis testing, etc. Some introductory probability will also be included in the course material.

- CREDIT: 0.5
- COURSE STATUS: Elective
- GRADE LEVEL: 10-12
- PREREQUISITES: Satisfactorily passed Geometry

- COST: Recommended to have NumWorks calculator but any graphing calculator currently owned is acceptable & a notes binder from our book store



### MTH 230 TRIGONOMETRY

This course is a semester course that provides a preparation for technical college and university placement tests. It will highlight some of the concepts taught in Algebra 2. Students will solve right triangles, analyze and graph trigonometric functions, manipulate trigonometric identities and inverses, and use the law of sines and cosines.

- CREDIT: 0.5
- COURSE STATUS: Required
- GRADE LEVEL: 11-12
- PREREQUISITES: Successful completion of Algebra 2
- COST: Recommended to have NumWorks calculator but any graphing calculator currently owned is acceptable & a notes binder from our book store



### MTH 301 AP PRE-CALCULUS

This course provides a preparation for college courses in calculus, algebra, and analytical geometry. It will clarify, simplify, and unify concepts learned in previous courses in algebra and geometry. It contains the study of advanced relations, functions, graphs, trigonometry, and an introduction to Calculus.

- CREDIT: 1.0
- COURSE STATUS: Elective
- GRADE LEVEL: 10-12
- PREREQUISITES: Successful completion of Honors Algebra II with Trig.
- COST: Recommended to have NumWorks calculator but any graphing calculator currently owned is acceptable & a notes binder from our book store



### MTH 325 AP STATISTICS

This is a year long course designed towards preparing students to take and earn credits on the AP Statistics exam. Some of the course objectives include students learning how to explore data, plan studies, exploring probability through simulation and finally the use statistical infer-



ence. Any student planning on going to college and studying in the field of mathematics or business would benefit greatly from this class.

- CREDIT: 1.0
- COURSE STATUS: Elective
- GRADE LEVEL: 11-12
- PREREQUISITES: Successful completion of Algebra II with Trigonometry.
- COST: Recommended to have NumWorks calculator but any graphing calculator currently owned is acceptable & a notes binder from our book store



### MTH 405 AP CALCULUS AB

AP Calculus makes extensive use of geometry and algebra. Major concepts include properties of functions, properties of graphs, limits, continuity, differential and integral calculus. The derivative has applications in physics, engineering, economics and biology. The integral will be used to calculate volumes, areas of revolution and lengths of curves.

- CREDIT: 1.0
- COURSE STATUS: Elective
- GRADE LEVEL: 11-12
- PREREQUISITE: Successful completion of AP Pre-Calculus
- COST: Recommended to have NumWorks calculator but any graphing calculator currently owned is acceptable & a notes binder from our book store



### MTH 415 AP CALCULUS BC

AP Calculus BC makes extensive use of geometry and algebra. This course will be an extension of AP Calculus AB. The major concepts that will be covered include: properties of functions, graphs, limits, continuity, differential and integral calculus, sequences, improper integrals, infinite series, vectors and parametric functions. The uses of derivatives are applied in physics, engineering, economics and biology. The integral will be used to calculate volumes, area of revolutions, and length of curves.

- Credit: 1.0
- Course Status: Elective
- Grade Level: 11-12
- Prerequisite: Successful completion of AP Pre-Calculus or AP Calculus AB
- Cost: Recommended to have NumWorks calculator

calculator but any graphing calculator currently owned is acceptable & a notes binder from our book store



### MTH 420 APPLIED MATH

The Applied Math course, a Transcribed Credited course, covers topics needed in the applications of technical & vocational fields. Such topics include: review of whole numbers, fractions, decimals & percents, as well as problems involving ratios & proportions. Also included are the principles behind combining like terms and solving linear equations. Additionally; perimeter, area and volume of typical geometric figures are calculated along with measurement conversion and dimensional analysis. Understanding and solving of both right and oblique triangles is also covered. Other featured topics are an overview of basic statistics along with an understanding of how to read charts and graphs. Overall instruction includes mathematical foundation with applications. This course is designed for seniors taking a 4th year of math.

- CREDIT: 1.0
- COURSE STATUS: Elective & Optional Dual Enrollment
- GRADE LEVEL: 11-12
- PREREQUISITES: Successful completion of Algebra I, Geometry, and Algebra 2
- COST: Recommended to have NumWorks calculator but any graphing calculator currently owned is acceptable & a notes binder from our book store



### MTH 422 AP COMPUTER SCIENCE PRINCIPLES

AP Computer Science Principles is an introductory college-level computing course that introduces students to the breadth of the field of computer science. Students learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They incorporate abstraction into programs and use data to discover new knowledge. Students also explain how computing innovations and computing culture that is collaborative and ethical. Exposure to these principles and applications will occur while learning Python language.

- CREDIT: 1.0
- COURSE STATUS: Elective
- GRADE LEVEL: 10-12
- PREREQUISITES: Completion of Algebra I





### MTH 423

#### AP COMPUTER SCIENCE A

AP Computer Science A is an introductory college-level computer science course taught in the programming language Java. Students cultivate their understanding of coding through analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures.

- CREDIT: 1.0
- COURSE STATUS: Elective
- GRADE LEVEL: 11-12
- PREREQUISITES: Completion of AP Computer Science Principles

## MUSIC

**\*\*\*Students are limited to 2 choir and 2 band performance classes in a given year. These students must have the approval of the instructors of the ensembles and the administration for any exceptions.\*\*\***

### MUS 100

#### PRINCIPIANTI

*Principianti* is a class for underclassmen sopranos & altos (grades 9-11) choosing to participate in a choral music organization or class. The class will review and evaluate the musical experience each student has had through the first years of schooling. Class activities will focus on the improvement of skills fundamental to all music and more specifically to vocal music. The class will participate in the performance of all concerts and in large group clinic situations. Performance opportunities will be available each quarter. The only requirement for enrollment in this class is a desire to learn about and enjoy participating in vocal music. This is a full year course.

- CREDIT: 1.0
- COURSE STATUS: Elective
- GRADE LEVEL: 9-11
- PREREQUISITES: None

### MUS 103

#### INTERMEZZO-TENOR/BASS

*Intermezzo* is an elective course in the music department. The class is open to any 9th -12th grader. Tenors/basses and sopranos/altos meet

separately, then combine for concerts. The choir encompasses all ranges of voice from bass to soprano. It provides an advanced, in-depth study of the elements of music through choral literature as well as the mastery of the singing voice and of the techniques used in solo and ensemble singing. Students will participate in the performance of all concerts. All styles of music written for mixed voices will be studied.

- CREDIT: 1.0
- COURSE STATUS: Elective
- GRADE LEVEL: 9-12, Tenor and Bass
- PREREQUISITES: None

### MUS 150

#### CONCERT BAND

A performing group open to grades 9-12 for one credit. Students participate in various activities such as marching band, concert group, small ensembles and solo literature. This course is designed to produce well-rounded musicians through exposure to many different performance mediums, musical styles and time periods. Band members will perform in 2-4 home football shows, four concerts, 2 - 3 parades, and large group festival. Band students also have the opportunity to participate in solo and ensemble as well as the extracurricular ensembles of Pep band, Madrigal Brass and Recorders and the Pit Orchestra for musicals. A \$25.00 maintenance fee is assessed during registration. Students are required to provide black dress for concerts.

- CREDIT: 1.0
- COURSE STATUS: Elective
- GRADE LEVEL: 9-12
- PREREQUISITES: None

### MUS 160

#### JAZZ BAND

Jazz band is an elective course in the music department. Students will listen to, study, and perform music from the jazz idiom, as well as contemporary music including funk, reggae, and rock styles. Study will include jazz performance techniques, history, improvisation, theory, combo performance, and listening skills. Students will be expected to solo on their instrument. Performance requirements include a minimum of three concerts and two festivals per year as well as district festival in the spring.

- CREDIT: 1.0
- COURSE STATUS: Elective
- GRADE LEVEL: 9-12
- PREREQUISITES: AUDITION. Students must also be registered for symphonic or concert band with the following exceptions:

1. Students who play an instrument not normally used in symphonic & concert band (guitar, bass guitar)

a. determination to be made by director

2. Students who also registered for symphonic or concert band but were denied that class due to schedule conflict

a. If a choice must and can be made between symphonic/concert band or jazz band, the choice would be for symphonic band.

b. If the student is denied symphonic band but could schedule jazz band, they are exempt from the rule.

### MUS 173

#### MUSIC TECHNOLOGY & PRODUCTION

Music and Technology Production Music students learn to create music with software used by professionals in the industry such as Reason, Finale, and Ableton. Topics include Foley, scoring for video games and movies, recording, and basic music fundamentals. Final projects are based on the individual student's interest. Popular projects from the past have included: recording an EP, scoring a short film, Foley for a video, remixing an existing album.

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 9-12
- PREREQUISITE: None

### MUS 200

#### INTERMEZZO-SOPRANO/ALTO

*Intermezzo* is an elective course in the music department. The class is open to any 10th, 11th or 12th grade soprano or alto who meets the requirements of an audition and consent of the choir director. Tenors and basses meet separately, then combine for concerts. The choir encompasses all ranges of voice from bass to soprano. It provides an advanced, in-depth study of the elements of music through choral literature as well as the mastery of the singing voice and of the techniques used in solo and ensemble singing. Students will participate in the performance of all concerts. All styles of music written for mixed voices will be studied.

- CREDIT: 1.0
- COURSE STATUS: Elective
- GRADE LEVEL: 10-12, Soprano/Alto
- PREREQUISITES: AUDITION ONLY or verbal consent of the instructor

### MUS 210 SULLA CIMA

*Sulla Cima* is an elective course in the music department, and is considered the flagship of the choral music program at Waterford Union High School. The class is open to any 10th, 11th or 12th grade student who meets the requirements of an audition **and** consent of the choir director. The choir encompasses all ranges of voice from bass to soprano. It provides an advanced, in-depth study of the elements of music through choral literature as well as the mastery of the singing voice and of the techniques used in solo and ensemble singing. Students will participate in the performance of all concerts and the large group clinic situation.

Other performance opportunities will be available each quarter. All styles of music written for four-to sixteen--part mixed voices will be studied.

- CREDIT: 1.0
- COURSE STATUS: Elective
- GRADE LEVEL: 10-12
- PREREQUISITE: AUDITION ONLY

### MUS 230

#### VOCAL JAZZ

Vocal Jazz ensemble is an elective course in the music department. Students will listen to, study, and perform music from the jazz idiom, as well as contemporary music including funk, reggae, and rock styles. Study will include vocal jazz performance techniques, history, improvisation, theory, combo performance, and listening skills. Students will be expected to solo. Performance requirements include 2 primary concerts (winter & spring), participate in the Lawrence University Jazz Festival in November, expected to solo. Performance requirements include 2 primary concerts (winter & spring), participate in the Lawrence University Jazz Festival in November, and a district festival in the spring.

- CREDIT: 1.0
- COURSE STATUS: Elective
- GRADE LEVEL: 10-12
- PREREQUISITES: AUDITION ONLY. Students must also be registered in a traditional choir with the following exceptions:

1. Students who play an instrument not normally used in Choir (bass, drums, piano)  
a. determination to be made by director

2. Students who are seniors who also registered for a Concert Choir or Treble Choir but were denied that class due to schedule conflicts:  
a. If a choice must and can be made between Concert Choir and Treble Choir or Vocal Jazz, the choice would be for Concert Choir or Treble Choir.

b. If the student has previously been a member of Vocal Jazz and is denied Concert Choir or Treble Choir but could schedule Vocal Jazz, they

are exempt from this rule.

**"THIS CLASS OFFERED IN 2025-26"**  
**MUS 240**

**INTRODUCTION TO MUSIC THEORY**

Introduction to Music Theory is designed to prepare students for the AP Music Theory course. This course is open to any student interested in learning the basic principles of writing and analyzing music.

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 10-12
- PREREQUISITE: One year of music study and/or consent of instructor. Students considering AP Music Theory, or a possible music major/minor in college should consider enrolling in this course.

**MUS 255**

**WIND & PERCUSSION ENSEMBLE**

A performing group open to grades 10-12 for one credit. Students participate in various activities such as marching band, concert group, small ensembles and solo literature. The emphasis of this course is an appreciation of music through exposure to many different performance mediums, musical styles and time periods. This group concentrates on high-level literature and performance. Band members will perform in 3-4 home football shows, four concerts, and large group festival. Band students are given the opportunity to volunteer to participate in pep band, solo and ensemble, madrigals and musicals. A \$25.00 maintenance fee is assessed during registration. Students are required to provide black socks/nylons and black shoes for concerts.

- CREDIT: 1.0
- COURSE STATUS: Elective
- GRADE LEVEL: 10-12
- PREREQUISITE: AUDITION ONLY



**"THIS CLASS OFFERED IN 2026-27"**  
**MUS 345**

**AP MUSIC THEORY**

AP Music Theory is open to any student interested in learning the principles of writing and analyzing music. The ultimate goal of this AP Music Theory course is to develop the student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score.

The course will accomplish this through a progression of lessons and activities that will first cement the student's understanding of the rudiments of musical language (i.e. notation, intervals, rhythm, and meter) and then develop his or her critical and creative awareness of musical forms and structures through score analysis, harmonic realization, and composition exercises. Though a wide variety of music will be used in this course, primary emphasis will be placed on common practice techniques of the Western music tradition. It is highly recommended students interested in AP Music Theory take Intro to Music Theory, though not required.

- CREDIT: 1.0
- COURSE STATUS: Elective
- GRADE LEVEL: 11-12
- PREREQUISITES: Must be receiving a Cum GPA of 3.0; previously had two years of music study; must also be considering a possible music major/minor in college and/or consent of instructor & Previous completion of Intro to Music Theory is highly recommended.

**MUS 350**

**BEGINNING ACOUSTIC GUITAR**

Beginning Acoustic Guitar is an elective course intended for students who are beginning their guitar studies. The class is designed so each student will progress from their current level over the course of the semester, and takes into account a variety of musical backgrounds. Students will be introduced to a variety of musical genres as well as solo and ensemble repertoire. Topics include basic playing technique, tuning, fretboard identification, chords, and music notation. Techniques learned in this class can be transferred to electric guitar, banjo, ukulele, and mandolin.

- CREDIT: 0.5
- COURSE STATUS: Elective
- GRADE LEVEL: 9-12
- PREREQUISITES: None

\*Course enrollment may be limited depending on available instruments

# PHYSICAL EDUCATION

**\*Must be able to remove piercings for all gym classes**

## PHY 101

### INTRODUCTION TO PHYSICAL EDUCATION

This course provides activities designed to contribute to the physical well-being of students; to develop an awareness of coordination, balance, force, motion and body movement; to build basic skills and knowledge of tactics through team and individual sports; to engage in regular health-enhancing fitness activities and develop an understanding of how these relate to lifetime wellness.

- CREDIT: .5
- COURSE STATUS: Required
- GRADE LEVEL: 9
- COST: In-line skating fee
- PREREQUISITES: None

## PHY 115

### HEALTH EDUCATION

This course is designed to provide students with the knowledge base and experiences to demonstrate health-related skills including SMART goal setting, interpersonal communication, healthy decision making, self-advocacy and management, and analyzing health influences and re

sources. Students will have the opportunity to demonstrate health skills through a personalized lens in a variety of units, including but not limited to Health and Wellness, Mental Health, Nutrition and Fitness, Human Growth and Development, CPR/AED/First Aid, and Alcohol and other drugs.

- CREDIT: .5
- COURSE STATUS: Required
- GRADE LEVEL: 9
- PREREQUISITES: None

## PHY 201

### TEAM & INDIVIDUAL SPORTS I

This course provides a diverse range of experiences for students to develop motor skills and movement patterns to perform a variety of team and individual sports. Students will be a part of a collaborative setting that encourages growth and development of leadership, responsibility, initiative, and cooperation. Activities allow for students to be challenged and assessed, while encouraging growth in individual and group capabilities.

- CREDIT: .5
- COURSE STATUS: Required
- GRADE LEVEL: 10-12
- COST: In-line skating fee
- PREREQUISITES: Introduction to Physical Education

## PHY 202

### LIFESTYLE FITNESS I

This course provides an opportunity for students to enhance their current fitness level. Students will alternate between a day in the fitness center doing cardio and weight lifting and a day in the studio engaging in a fitness unit. Fitness units include (but are not limited to) yoga, high intensity interval training (HIIT), TRX, fitness fads, and dance/zumba. Emphasis will be placed on proper form when weight lifting and exercising. Through these activities, students will explore various components of fitness, participate in aerobic and anaerobic activities, and develop and work toward individual goals.

- CREDIT: .5
- COURSE STATUS: Required
- GRADE LEVEL: 10-12
- PREREQUISITES: Introduction to Physical Education
- COST: In-line skating fee

## PHY 203

### LIFESTYLE FITNESS II

This course builds upon the concepts taught in Fitness I and allows students to further enhance aspects of their individual fitness including strength, endurance, and flexibility through a range of activities. A portion of the class will include students completing self-designed workout programs based on individual goals.

- CREDIT: .5 credit



- COURSE STATUS: Required
- GRADE LEVEL: 10-12
- PREREQUISITES: Intro to Physical Ed, Life-style Fitness I

**PHY 204  
TEAM & INDIVIDUAL SPORTS II**

This course builds up on the concepts taught in Team & Individual Sports I to further enhance motor development, coordination, sportsmanship, and strategy as they relate to a variety of sports. Students will have the opportunity to explore different perspectives of each sport, deepening their knowledge of skill and strategy.

- CREDIT: .5
- COURSE STATUS: Required
- GRADE LEVEL: 11-12
- PREREQUISITES: Intro to Physical Ed, Team Sports I

**PHY 210  
SPORTS OFFICIATING & COACHING**

This course will provide students with the knowledge and skills to become a sports official. A variety of sports will be covered, and students will become a certified official through the WIAA as part of the course. This class will take place in a classroom setting, with occasional days spent practicing the skill of officiating in a gym setting. The course will also include a unit on coaching, including philosophies, responsibilities, practice and season planning, and budgeting. Observation hours and field hours will be required to gain hands on experience and a deeper understanding of officiating and athletics.

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 11, 12
- PREREQUISITES: None

**PHY 220  
SPORTS MEDICINE**

This course is an introductory class for students interested in sport science. This class introduces: anatomy, physiology, effects of exercise on the body, assessment and management of athletic injury, emergency preparedness, and taping/wrapping of injuries. The students will be required to complete a project on a career related to sports as well as field hours with the athletic trainer.

- CREDIT: .5 credit

- COURSE STATUS: Elective
- GRADE LEVEL: 10-12
- PREREQUISITES: None

**PHY 320  
STRENGTH & CONDITIONING**

This class will consist of a combination of classroom instruction and physical activity focusing on improving an individual's well being. The student will learn all aspects of the weight room, how to develop a strength and conditioning program for themselves and about the latest fads in the fitness world.

- CREDIT: .5 credit
- COURSE STATUS: Elective
- GRADE LEVEL: 10-12
- PREREQUISITES: None



**PHY 401  
LIFETIME ACTIVITIES**

This course encourages lifetime wellness by providing the opportunity to learn and participate in a variety of activities that can be continued throughout life. This class focuses on advanced skill building and application of strategies in team and individual sports balanced with exposure to different lifetime wellness activities for the acquisition of new skills. This class also has an extended volleyball curriculum.

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 12
- PREREQUISITES: 1.5 credits of REQUIRED PE class completed. And must have a current WI fishing license.
- COST: \$35
- To earn Dual Enrollment credit students must be 12th grade standing; have a GPA of 2.75 (on a 4.0 scale); be in the top 30% of their class
- COST: \$110
- Optional Dual Enrollment



# READING

## REA 109

### READING & LEARNING STRATEGIES

This course is designed to provide instruction and practice in comprehension and word work skills. Students will read a variety of nonfiction and fiction to develop their ability to read and write effectively. Students will collaborate with others while communicating through speaking and listening about the text. Some example units of study include: Book Discovery, Inquiry Unit, Paranormal Events, Overcoming Obstacles, Environmental Issues. Students are selected based upon latest achievement, assessment results, and teacher recommendations.

- CREDIT: 1.0 (Full Year)
- COURSE STATUS: Elective
- GRADE LEVEL: 9
- PREREQUISITES: Must meet guideline requirements. Participants will be selected by counselor and/or teacher only.

## REA 315

### ACT STRATEGIES TO ACTIVATE YOUR POTENTIAL

The ACT is a national test that measures a student's college readiness. This is a semester-long course that will connect knowledge and skills that students have learned in the classroom with strategies necessary to excel on the ACT test. As the ACT consists of tests in English, Mathematics, Reading, and Science, students will review and improve their proficiency in these areas spending about a 4 week rotation with 4 content area teachers. Students will receive instruction and practice strategies that directly align with the ACT for each test. Additionally, students will participate in ACT mindset sessions, goal-setting, and college or career experiences. This class will only be offered in the fall.

- CREDIT: .5 Pass/Fail grade
- COURSE STATUS: Elective
- GRADE LEVEL: 11
- PREREQUISITES: None

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## REA310

### COLLEGE READING STRATEGIES

This course is for students who have mastered basic reading skills and desire growth in the higher level reading demanded for the mastery of college textbooks. It will focus on comprehending nonfiction, strengthening study reading techniques, improving vocabulary and increasing reading rate in difficult material. Students will also work independently on reading projects and units. Example units may include a choice book unit and a nonfiction historical unit. Special fees may apply because students have the opportunity to receive 1 college credit through UW Oshkosh.

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 10-12
- PREREQUISITES: None
- To earn Dual Enrollment credit students must be 10th-12th grade standing; have a GPA of 2.75 (on a 4.0 scale); be in the top 30% of their class
- COST: \$110
- Optional Dual Enrollment

# SCIENCE



## SCI 103 BIOLOGY

Biology is the study of living things. Students will use experiments and models to explain how cells transform matter and energy as living things grow and interact. They'll investigate relationships between an organism's visible traits, their DNA, and the proteins in their cells. They'll develop models to explain how environmental factors can change genes, resulting in unique adaptations. They will identify factors that support biodiversity and determine its importance for life on Earth. This course will prepare students to use scientific reasoning throughout their lives.

- CREDIT: 1.0
- COURSE STATUS: Required
- GRADE LEVEL: 9
- PREREQUISITES: None

**SCI 105  
HONORS BIOLOGY**



This course is designed for gifted and talented freshmen who intend to continue into advanced science courses. Introductory biological concepts with laboratory emphasis are discussed. The pace is accelerated and exceptionally talented math and science students will be invited to take this course. Standardized test scores and teacher recommendation will be used for placement. Class size is limited to 4 sections.

- CREDIT: 1.0
- COURSE STATUS: Required
- GRADE LEVEL: 9
- PREREQUISITES: Teacher Recommended

**SCI 205  
HONORS CHEMISTRY**



This course is intended for gifted science students who intend to pursue advanced science courses their junior and/or senior years. Introductory chemical concepts such as chemical composition and changes will be examined. Students will also be challenged to think at the particulate level and describe complex chemical systems. This will allow them to use their critical thinking and problem solving skills to better show their understanding of abstract ideas. Students will show understanding through laboratory activities and scientific writing.

- CREDIT: 1.0
- COURSE STATUS: Required
- GRADE LEVEL: 10-11
- PREREQUISITES: Teacher recommended
- REQUIRED: Calculator

**SCI 210  
CHEMISTRY**



Chemistry is the study of atoms and molecules, and how they interact. Students will investigate how matter and energy work on the smallest scales. They will identify patterns to explain how the parts of an atom determine what it is, how it acts, and what properties it has. They'll investigate how atoms come together to form molecules and how different bonds affect the properties of substances. They'll predict chemical reactions, and explain how factors like temperature and pressure change the way matter behaves.

- CREDIT: 1.0
- COURSE STATUS: Required
- GRADE LEVEL: 10-12
- PREREQUISITES: Biology or Honors Biology
- REQUIRED: Calculator



**SCI 305  
AP BIOLOGY**

AP Biology is designed to be the equivalent of a college introductory biology course usually taken by biology majors during their first year. After showing themselves to be qualified on the AP Biology Exam, some students, as college freshmen, are permitted to undertake upper-level courses in biology or to register for courses for which biology is a prerequisite. Other students may have fulfilled a basic requirement for a lab science course and will be able to undertake other courses to pursue their majors. For students not electing to take the AP exam, the course will provide exposure to college level material and provide a conceptual framework for future collegiate science courses.

- CREDIT: 1.0
- COURSE STATUS: Elective
- GRADE LEVEL: 11 & 12
- PREREQUISITES: Recommended "B" average in Biology, Chemistry and Algebra 2
- REQUIRED: Calculator

**SCI 310  
PHYSICS**



Physics is the study of the fundamental forces that shape our world. Students will first explore motion and test mathematical ideas about how force, mass, and acceleration are connected. They'll investigate the forces that change how things move and use this to explain how simple machines make work easier. They'll communicate arguments about how energy exists differently as heat, electricity, and light. They'll explore patterns and trends in how energy behaves as waves to understand how matter and energy interact.

- CREDIT: 1.0
- COURSE STATUS: Required
- GRADE LEVEL: 11-12
- PREREQUISITES: Biology & Chemistry
- REQUIRED: Calculator

**SCI 311  
CHEMISTRY 2**



A continuation of Chemistry, it deals more with the quantitative aspects of Chemistry. This course is designed for the student who plans to take further science courses at the college level. Individual lab oriented.

- CREDIT: .5

- COURSE STATUS: Elective
- GRADE LEVEL: 11-12
- PREREQUISITES: Biology or Honors Biology, Recommended "B" average in Chemistry
- COST: Lab Notebook
- REQUIRED: Calculator



### SCI 315 AP CHEMISTRY

Advanced Placement (AP) Chemistry is the equivalent to a freshman college chemistry course with respect to the subject matter covered and the laboratory experiments performed. The course is designed to prepare students for the College Board Advanced Placement Exam. Through the teaching of the concepts and frequent problem solving activities the students will have a better understanding of the application of chemistry. Laboratory work, writing skills, and practice AP exam questions will be stressed. Topics to be covered include: Structure of matter, States of matter; Stoichiometric relationships, Reactions; Descriptive Chemistry. There will be an emphasis on Equilibrium, Kinetics, and Thermodynamics. To promote the proper educational atmosphere necessary for this class, students should only sign up if they have a very serious intent to take the AP exam. A summer assignment is given.

- CREDIT: 1.0
- COURSE STATUS: Elective
- GRADE LEVEL: 11-12
- PREREQUISITES: Students must have completed Chemistry or Honors Chemistry completed Algebra 2 with Trig. (recommendation of "B" or better in those courses)
- REQUIRED: Calculator



### SCI 330 EARTH SCIENCE

Earth Science is a class designed to provide the student with an understanding of the nature of the earth's environment. How the forces of nature have changed the earth, and what effects Man has had on earth. Mapping, meteorology, and geology will be studied, with examples from Southeast Wisconsin used wherever possible.

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 10-12
- PREREQUISITES: Biology.



### SCI 335 AP ENVIRONMENTAL SCIENCE

This is a challenging course designed to maximize student preparation for collegiate-level ecology courses. In this class, students will consider all aspects of environmental issues and will gain a deeper understanding of ecology, environmental protection, and the natural world. Through hands-on lab experiments and in-depth discussions, students will come to appreciate the threats that affect the environment and will better understand the actions that can be taken to protect the natural systems that make our lives possible.

- CREDIT: 1.0
- COURSE STATUS: Elective
- GRADE LEVEL: 10-12
- PREREQUISITES: Biology
- REQUIRED: Calculator



### SCI 340 ASTRONOMY

Astronomy is the study of the universe. In this course, we begin by investigating the nuclear reactions that power the sun and other stars for billions of years. We then trace the evolution of stars from their formation in nebulae to their dramatic deaths as white dwarfs or supernovas. Finally, students use astrophysical concepts to scrutinize evidence supporting the Big Bang theory, and discover how scientists gather meaningful data to address seemingly impossible questions about the universe's origins and evolution.

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 10-12
- PREREQUISITES: Biology and Chemistry OR teacher recommendation



### SCI 345 AP PHYSICS 1

AP Physics 1 outlines the material covered in a college level introductory physics course and gives students the proper tools to successfully take the College Board AP Physics 1 exam. Students will be given a more detailed, algebra based, understanding of classical physics principles in motion, forces, and energy which form our understanding in modern technology. Students will also understand electrostatic forces, and electric energy including circuits.

- CREDIT: 1.0
- COURSE STATUS: Elective
- GRADE LEVEL: 11-12
- PREREQUISITES: Successful completion of Chemistry and Geometry
- REQUIRED: Calculator



**SCI 350  
MARINE BIOLOGY**

Marine Biology is a semester course that will concentrate on the physical, chemical, geological and biological aspects of marine environments. After completing this course, students will have a basic understanding of the interrelationships that occur in the world's oceans. This will be a lab based course that will use various resources such as the internet, distance learning lab, and guest speakers to bring clarity to the mystery of the oceans.

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 10-12
- PREREQUISITES: Biology



**SCI 360  
MEDICAL TERMINOLOGY**

This course is an in-depth study of medical terminology conducted by a body system approach. Prefixes, suffixes and root words are covered. This course also provides an overview of human anatomy. This course will provide students with an introduction to concepts and terms used in a variety of health care professions.

- CREDIT: .75 high school; 3.0 college credits
- COURSE STATUS: Optional Dual Enrollment
- GRADE LEVEL: 10-12 with a cumulative gpa of 2.5 (Gateway Requirement)
- PREREQUISITES: Biology & Chemistry or Chemistry concurrently.
- COST: Med Term Book



**SCI 405  
HUMAN ANATOMY AND PHYSIOLOGY**

In this course we will be studying human anatomy and physiology. Anatomy deals with the structure (morphology) of the body and it's parts. Physiology studies the functions of these parts. The two disciplines are closely interrelated because the functional role of a part depends on how it is constructed. This is an accelerated college prep course that will prepare you for a future in a biological career.

- CREDIT: 1.0

- COURSE STATUS: Elective
- GRADE LEVEL: 11 - 12
- PREREQUISITES: Recommended "B" average in Biology and Chemistry



**SCI 411  
FORENSIC SCIENCE**

Forensic Science is a course designed to give students experiences with the equipment and people involved in the investigation and prosecution of those found breaking the law. Forensic Science integrates scientific processes with the reading, reasoning, writing, and laboratory skills used in modern criminal investigations. From the first indications of a crime to the final stages of prosecution, the investigative, analytical, and communication skills of various occupations will be examined. Topics of study include functions of the forensic scientist, crime scenes, types of physical evidence, fiber analysis, drug identification, toxicology, arson investigations, fingerprinting, ballistic evidence, and handwriting and voice analysis. The course focus will be on problem solving, designing experiments, testing and making conclusions based on empirical evidence. Writing will be an integral part of the course with students being expected to communicate laboratory reports, results, conclusions and analyze case studies.

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 11-12
- PREREQUISITES: Recommended B or better in Chemistry
- COST: Forensic Science Workbook fee; lab notebook



**SOCIAL STUDIES**



**SOC 100  
MODERN U.S. HISTORY**

Modern U.S. History is a continuation of the



study of U.S. History, which began in the 8th grade. By dividing the study of U.S. History into two years, a greater amount of depth can be reached when studying each part of U.S. History. By spending more time on each topic, students will achieve a greater understanding of U.S. History. Modern U.S. History begins with the Industrial Age and proceeds chronologically to the modern era.

- CREDIT: 1.0
- COURSE STATUS: Required
- GRADE LEVEL: 9
- PREREQUISITES: None



### SOC 105

#### HONORS MODERN U.S. HISTORY

This course is for those freshmen who believe they are on the path to taking advanced placement courses in their future high school years. It is designed to provide greater challenges and more in-depth coverage of content which will help prepare these students for college-level material. More of an emphasis will be placed on analytical and writing skills. It is a continuation of the study of U.S. History begun in 8th grade, and thus begins with the Industrial Age..

CREDIT: 1.0

COURSE STATUS: Elective (Those who take this course as a freshman are exempt from taking the required Modern U.S. History.)

GRADE LEVEL: 9

PREREQUISITE: Recommended minimum of a B average and teacher recommendation.



### SOC 120

#### WISCONSIN HISTORY

This one semester elective takes you on a journey through the unique history, culture, and landscapes of Wisconsin. You'll uncover surprising stories, local legends, and explore the customs and traditions that make the state one of a kind, including learning about Wisconsin's tribal nations, their histories, and their lasting influence on the state. Through interactive projects and field trips, you'll even explore the local history of Waterford, experiencing Wisconsin's past and present in a way that brings it all to life.

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 9-12



### SOC 130

#### GLOBAL ISSUES

This is an elective course open to all students in grades 9-12. The course content will be covered in two different ways. First, it will provide a study of the following regions: Africa, Asia,

Latin America, the Middle East, and Eastern Europe and Russia. This portion of the class will teach students about various areas of the world and explain how culture influences behaviors, attitudes, and life styles within them. It will also provide discussion of issues of importance to these regions and the underlying historical causes behind them. Second, the course will cover issues of importance throughout the world. Topics covered may include genocide, overpopulation and food shortage, disease epidemics like AIDS, terrorism, the globalization of the world economy, reliance on fossil fuels, global warming and other environmental issues, and the spread of nuclear weapons to more nations.

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 9-12



### SOC 200

#### MODERN WORLD HISTORY

Modern World History is a survey course. The course focuses upon the events, cultures, concepts, and forces that shaped the world. The focus will be on topics beginning with the Industrial Age in Europe, and ending with a detailed study of the whole world today.

- CREDIT: 1.0
- COURSE STATUS: Required (Modern World History or AP World History)
- GRADE LEVEL: 10
- PREREQUISITES: None



### SOC 205

#### AP WORLD HISTORY-MODERN

Advanced Placement World History-Modern is a course designed to prepare students for intermediate and advanced college courses by making demands upon them equivalent to those of a full year introductory course at the college level. Open to 10th grade students and above that have demonstrated a high level of interest in history courses as well as the ability to do above average work in the social sciences. To be eligible to receive college credit, the student must successfully pass the formal AP exam at the conclusion of the course. A fee is involved to take the exam. The test is not required to receive just high school credit. A summer reading assignment, due on the first full class day, is a requirement for the course. Due to the level of difficulty this course is graded on a 5.0 scale.

- CREDIT: 1.0
- COURSE STATUS: Elective
- GRADE LEVEL: 10-12
- PREREQUISITES: Required B or higher in Modern US History or Honors Modern US History or consent by teacher.



### SOC215

#### AP HUMAN GEOGRAPHY

The AP Human Geography is a course that explores how humans interact with and shape the world around them - far beyond just studying maps. You will dive into themes like migration, culture, politics, economics, agriculture, and urbanization, analyzing real-world case studies from across the globe and close to home. Using tools like spatial analysis and data interpretation, you will uncover patterns, solve problems, and understand the systems that shape our world. This course builds critical thinking skills and helps foster a global awareness of the world we live in. AP Human Geography is the perfect class for you! Due to the difficulty of the course, it is graded on a 5.0 scale.

- CREDIT: 1.0
- COURSE STATUS: Elective
- GRADE LEVEL: 9-12
- PREREQUISITES: Recommended A- or higher in Modern U.S. History, Modern World History and American Government or B- or higher in Honors U.S. History and other AP courses taken.
- Incoming Freshman must be recommended by their 8th grade Social Studies teacher



### SOC 300

#### AMERICAN GOVERNMENT

The intent of this course is to familiarize students with their federal, state and local governments. The organization of these governments is studied and the individual's rights and responsibilities relating to them are explored. A brief history of our government serves as an introduction to the course. Other political issues will also be examined.

- CREDIT: .5
- COURSE STATUS: Required (Am. Government AP US History, or AP Government)
- GRADE LEVEL: 11



### SOC 305

#### AP GOVERNMENT

AP Government will give students an analytical perspective on government and politics in the United States and the rest of the world. One semester will focus on U.S. government and politics, and the other semester will focus on Comparative government. There is a separate AP exam for each topic. Passage of either of these exams taken near the end of the course can lead to college credit. In studying these topics students will learn the general concepts related to each, as well as analyze specific examples. This course aims to illustrate the rich diversity of political life with its different institutions, different processes, and different policy outcomes. Due to the difficulty of the course, it is graded on a 5.0 scale.

- CREDIT: 1.0
- COURSE STATUS: Elective (Those who elect to take this course as a junior will be exempt from being required to take American Government during their junior year.)
- GRADE LEVEL: 11-12
- PREREQUISITES: Required B or higher in Modern World History or C or higher in AP World History or consent of teacher



### SOC 315

#### AP US HISTORY

Advanced Placement U.S. History is a course designed to prepare students for intermediate and advanced college courses by making demands upon them equivalent to those of a full year introductory course at the college level. Open to 11th & 12th grade students that have demonstrated a high level of interest in history courses as well as the ability to do above average work in the social sciences. To be eligible to receive college credit, the student must successfully pass the formal AP exam at the conclusion of the course. A fee is involved to take the exam. The test is not required to receive just high school credit. A summer reading project, due on the first full class day, is a requirement for the course. Due to the level of difficulty this course is graded on a 5.0 scale.

- CREDIT: 1.0
- COURSE STATUS: Elective (Those who elect to take this course as a junior will be exempt from being required to take American Government during their junior year.)
- GRADE LEVEL: 11-12

- PREREQUISITES: Required B or higher in Modern World History or C or higher in AP World History or consent by teacher.

**SOC 320  
PSYCHOLOGY**



The goal of this course is to increase the understanding of psychology, its methods, theories, and research. The course will explore the psychological facts, principles, and phenomena associated with each of the major subfields of psychology. The course is broken down into units which reflect a division of the major areas of psychology. It is hoped that knowledge of psychological inquiry will provide perceptions of the world around us, insights into one's own and other's behavior, and an appreciation of the complexity of human behavior.

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 11-12
- PREREQUISITES: None



**SOC 325  
AP PSYCHOLOGY**



AP Psychology is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. This course will provide perceptions of the world around us, insights into one's own and other's behavior, and an appreciation of the complexity of human behavior. Open to 11th and 12th graders that have demonstrated a high level of interest in psychology, as well as the ability to do above average work in the social sciences. To be eligible to receive college credit, the student must successfully pass the formal AP exam at the conclusion of the course. A fee is involved to take the exam. The AP exam is not a required part of the high school course. Due to the level of difficulty of the course, it is graded on a 5.0 scale.

- CREDIT: 1.0
- COURSE STATUS: Elective
- GRADE LEVEL: 11-12
- PREREQUISITES: Recommended A- or higher in regular social studies courses, B- or higher in Honors/AP course taken.

**SOC 330**



**CONTEMPORARY SOCIAL ISSUES**

This course is an introduction to the study of culture, social institutions, socialization, and social problems and issues relevant today. Aside from learning basics of sociology, students will do a great deal of discussing and writing about the topics that are covered. Specific topics for the course may change year to year as their importance may go up or down in relation to current events. Both sides of issues will be explored and presented.

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 9-12



**SOC 340**

**MILITARY HISTORY**

This course will entail an overview of the history of warfare and its influence on human history and human political, social, and cultural institutions. An emphasis would be placed on student driven learning thru individual and group research projects and classroom presentations. Topics will likely include changes in technology, conflicts and historical battles, propaganda, social and economic impact of conflict, and current regional conflicts.

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 11-12
- PREREQUISITES: None



**SOC 410**

**ECONOMICS**

This is an introductory course for the student who desires a more in-depth investigation of the theories and principles of economics. Emphasis is placed on economics terminology, supply and demand concepts, monetary and fiscal policy, and the relationship between government and the free enterprise market economy. Basic concepts in personal financial literacy will also be covered. This class will help students prepare for college-level macro and micro-economics as well as their role as a consumer in the marketplace.

- CREDIT: .5
- COURSE STATUS: Required (AP Economics, Economics, or Consumer Economics)
- GRADE LEVEL: 12
- PREREQUISITES: Senior status and recommended "B" average in both Modern World History and Modern US History



**SOC 415  
AP ECONOMICS**

The purpose of the AP Economics course is to give students a thorough understanding of the principles of microeconomics and macroeconomics. Course work in macroeconomics provides understanding of the principles of economics that apply to an economic system as a whole. Such a course places emphasis on the study of national income and price determination, and also develops your familiarity with economic performance measures, economic growth, and international economics. Through the study of microeconomics, students will understand the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the larger economic system. It places emphasis on the nature and functions of product markets, and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy. To be eligible to receive college credit, the student must successfully pass the formal A.P. exam at the conclusion of the course. A fee is involved to take the exam. The A.P. exam is not a required part of the high school course. Due to the level of difficulty of the course, it is graded on a 5.0 scale.

- CREDIT: 1.0
- COURSE STATUS: Required(AP Economics, Economics, or Consumer Economics)
- GRADE LEVEL: 12
- PREREQUISITES: Required B or higher in Algebra II with Trigonometry, or recommendation of teacher.

**SOC 419  
CONSUMER ECONOMICS**

This course is designed to teach students to be intelligent consumers in a market economy. Emphasis is placed upon career planning, money management, money and financial institutions, credit and its wise use, savings and investment, consumer rights and responsibilities, housing, insurance, and taxation. Guest speakers may be utilized. The main emphasis of the course is practical application of economic principles.

- CREDIT: .5
- COURSE STATUS: Required (AP Economics, Economics, or Consumer Economics)
- GRADE LEVEL: 12
- PREREQUISITES: Senior status

**TECHNOLOGY & ENGINEERING  
EDUCATION**

**\*\*All students in technology & engineering education lab classes are required to purchase and wear safety glasses available through our library. There also is a lab fee for each technical education class.\*\***



**TEC 100  
EXPLORING TECHNOLOGY**

This is a semester course that is primarily for the freshman student. The aim of this class is to experience four areas of technology education offered here at WUHS. Students will study drafting, woodworking, construction, and engines/electricity. Students will learn the safe operation of hand tools and power equipment in each area as well as the proper methods for planning and producing projects. While in class, students will use teamwork and problem solving skills while participating in hands-on activities. A study of industry and business linked to each of the areas will complement the class activities and projects. This class offers an excellent opportunity for students to sample the technology education areas offered at Waterford Union High School.

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 9-10
- PREREQUISITES: None
- COST: Lab fee



**TEC 110  
SMALL ENGINES**

An introductory level course providing students hands-on experiences with four-cycle engines. The class balances the study of engine theory as well as the disassembly of a small 4 cycle gasoline engine. By the course completion students will apply their newly gained knowledge of fasteners, tools, cooling systems, lubrication, fluids, compression, ignition and fuel systems to rebuild, maintain, or tune up a small gas engine the student provides or a school motor will be provided.

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 9-12



- PREREQUISITES: None
- COST: Shop fee plus additional expenses for gasket sets, rings, seals, etc.

**TEC 130  
BASIC DRAFTING**

Drafting is a universal graphical language, used in engineering, industry, business, sales, marketing, and many common career paths. Basic Drafting is a semester course that will develop a student's ability to interpret the ideas of others, while learning to express oneself in an understandable manner. Students enrolled in this course will develop sketching, drawing, designing, and problem-solving skills necessary in post-secondary education, as well as the workforce. The class is project-based, with a great deal of class time being devoted to the creation of drawings used for the manufacturing of parts or in home construction. An introduction to computer aided drafting (AutoCAD software) will be a focus, with students learning about orthographic projections, dimensioning, pictorials, and section views. The class will conclude with a brief introduction to SolidWorks, a 3D CAD solid modeling program.

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 9-12
- PREREQUISITES: None
- COST: Lab fee

**TEC 212  
CreaTECH**

This is a project-based course that will introduce students to the newest technology being used to complete creative projects. Through a variety of self-selected projects, students will learn how to use the laser engraver, CNC Router, and CNC Plasma technologies. Using a variety of materials and techniques common to creative projects, such as the miter saw, router, MIG welding, brazing, and CAD technology, students will be introduced to a few basic skills that will prove beneficial in their project work here, and in the future. Student experience with these new technologies, coupled with a base group of traditional processes that have been utilized for years, will prove to be a great complementary course to any artistic student's repertoire of usable skills, or any student looking to exercise that creative drive in a professional manner. This is the perfect fit for that student with the tight schedule in search of a creative release. Enroll, and experience the class where

art meets the 21st century. No prior knowledge, experience, or prerequisites. Come be creative!  
CREDIT: .5  
COURSE STATUS : Elective  
GRADE LEVEL: 10 - 12  
PREREQUISITES: None  
COST: Lab fee (plus the cost of project materials which vary by student)

**TEC 235  
ADVANCED DRAFTING W/CAD**

Advanced Drafting with CAD builds upon the skills learned in Basic Drafting, and takes them to the next level. The course will be split between work in SolidWorks, a 3D solid modeling program, and Revit, a 3D architectural BIM program. Students will receive experience in the mechanical drafting areas of auxiliary views, advanced section views, threads and fasteners, and advanced 3D modeling concepts. Using Revit, students will learn the basics of home design and planning, including room planning & design and structural & foundation systems in both residential and commercial structures. The course will conclude with a significant project, which will be differentiated based upon the interest of each individual student, in either the mechanical or architectural areas of interest.

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 10-12
- PREREQUISITES: Basic Drafting
- COST: Lab fee

**TEC 250  
INTRO TO WOODS**

This is an exploratory class in woodworking covering both hand tools, machines, and general techniques. Emphasis is placed on safety, workmanship, organization, planning, and solving problems. This is very much a hands-on class that is not just for those students headed towards a cabinetmaking or carpentry career. A class for those having little or no experience with wood, but who would like to give it a try. You may be surprised at how talented you really are. With a little polish, you could be the "diamond in the rough". The laser engraver and CNC router will be introduced as viable tools for project completion. Projects will range from required to self-selected. Materials used must be paid for by the students which could be up to \$40.

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 9-12
- PREREQUISITES: None

- COST: Lab fee

### **TEC 260 INTRO TO METALS**

This introductory metals course provides students with a basic understanding of metal fabrication, welding, finishing, and machining. Students will learn through sheet metal work, basic lathe operation, flame cutting & welding, basic CNC plasma operation, forging, creating threads and properties of metal. The class will be a blend of hands on activities and lecture in this semester long course. Emphasis will be placed upon precision measuring, teamwork and problem solving skills. Great first level class for everyone of all skills to make sure they understand metal safety, precision measuring, and to hone in on their skills in the metal working industry.

- CREDIT: .5 (GATEWAY CREDIT - IF APPROVED)
- COURSE STATUS: Elective
- GRADE LEVEL: 9-12
- PREREQUISITES: None
- COST: Lab fee & Safety glasses & Welding gloves

### **TEC 290 CONSUMER AUTOMOTIVE**

This course is for any person who plans to own a vehicle. This is a fundamental course so no previous experience or background knowledge is needed. Topics covered include buying new & used cars, leasing, auto insurance, what to look for in an automotive repair shop, how to communicate effectively with an auto technician, and how you can save money by doing easy repairs yourself and properly maintaining your vehicle before costly repairs become necessary. This class is designed to instill confidence in the consumer. Students will learn about fluids, roadside tire changes, car washing, fuses and relay, and batteries.

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 10 -12
- PREREQUISITES: None
- COST: Shop fee for fluids, filters, plugs

### **TEC 311 AUTOMOTIVE TECHNOLOGY 1**

The class will provide students with a good basic understanding of modern automobile operation and maintenance on a pathway to an

automotive technician. The labs are designed for students to be familiar with their vehicles so they understand basic automotive terminology and know how to maintain a vehicle, how to complete preventative maintenance, and how to save money. Students will also learn about safety, careers, tools, various automotive systems, and automotive terminology through a blended approach of hands on and lecture. The course is intended to develop student understanding of their automobiles and how to be an efficient consumer when it comes to owning and operating an automobile today. Labs will include, batteries, charging and starting, manual usage, preventative maintenance, lubrication, oil changes, brake flushes, belts, fuel systems.

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 10-12
- PREREQUISITES: None
- COST: Shop and materials fees, and students are responsible for supplying any maintenance parts for the class for example, oil and filters for an oil change, and new battery



### **TEC 330 HOME 2: CONSTRUCTION**

This course is designed to continue in the Home Maintenance series, picking up, and moving forward with the skills learned in the first HOME class. Students will receive basic instruction for career paths in the various fields of architecture, engineering, carpentry, interior design, and electricity, to name a few. This is an overview course that touches on design styles, reading blueprints, framing, many areas of carpentry and the related trades, with labs focusing on masonry, electrical wiring, tile, and roofing. The class content is organized to be primarily a hands-on environment, with a good mix of demonstration and practical applications. Project work in the first half of the class stresses light construction technique and is premised around the design and construction of a scale, "stick" model house, designed and built in groups of two or three. This has historically been a student favorite! Application in the 2nd half begins with full size framing, electrical, tile, and masonry labs, culminating with a real-world project in the community. Students generally build some form of shed, garage, or other structure as a means to practice skills learned throughout the course. Time will be spent working both in the lab and at the job site to complete project work. If you intend to take up a career somehow related to residential architecture, or the trades, or even if you plan to own a home, this class is for you.

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 11-12
- PREREQUISITES: Suggested prior enrollment in H.O.M.E. course
- COST: Lab fee

### TEC 340

#### H.O.M.E: Home Owner's Maintenance for Everyone

H.O.M.E. is designed to aid the future homeowner. That's YOU!! This course supplies information to any home dweller or even those maintaining an apartment. It is a lab-based, hands-on, activity rich class that will give students the opportunity to try some "around the house" jobs that arise when living in any dwelling. No stress; no homework; no skills required, but be ready to get involved. Try it here, when it doesn't cost you anything, and save hundreds or thousands of dollars later on your own home. Male or Female, the importance of this class should not be undervalued. Imagine the money you can save if you can fix that hole in the wall yourself, or replace that lockset or door knob. How about painting or texturing a room, troubleshooting plumbing, or installing a new door? We'll tackle simple and moderate jobs well within the capabilities of the high school student or the average homeowner, and "size-up" jobs to determine whether to do it yourself or contract to have it done.

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 10-12
- PREREQUISITES: None
- COST: Lab fee

### TEC 350

#### WOODWORKING 1

Basically a course in lab work working almost entirely on machines. It is recommended (not required) that all students have some prior knowledge and experience in this area, usually attained through enrollment in Intro to Woods. Safe and proper operation of machines is stressed by demonstrations and safety tests on all equipment used. Many areas of furniture type construction are covered. Three projects will be completed in a semester's time. Project variation is encouraged, normally with some guidelines as to specifications. This is a two-period, semester block class, which allows for more efficient use of class work

time. All materials used in this class must be paid for by the student, generally ranging from \$50 to \$150 per semester. Get up, move around, have fun, and learn something in the process.

- CREDIT: 1.0
- COURSE STATUS: Elective
- GRADE LEVEL: 10-12
- PREREQUISITES: Introduction to Woods
- COST: Lab fee



### TEC 360 METALS 1

#### METALWORKING & MANUFACTURING

This course provides students with a continued advancement of their overall metalworking skills. The student will work in the basic areas of metalworking: machining using the lathe, mill, SMAW (shielded metal arc welding), GMAW (gas metal arc welding), sheet metal, welding symbols, as well as other manufacturing processes. Students will be introduced to more operations and advancement on machines and projects. Students will be required to become efficient in the various welding processes, and may have an opportunity to build a project requiring welding processes and fabrication. The content of the course is presented through lecture, hands on applications, and demonstration. This is a two-period, semester block class, which allows for more efficient use of class work time.

- CREDIT: 1.0
- COURSE STATUS: Elective
- GRADE LEVEL: 10-12
- PREREQUISITES: Pass Intro to Metals with at least a C or get Instructor permission, and recommended to pass Basic Drafting with a C or better
- COST: Lab fee; welding gloves
- PROJECT COST: Costs will vary per each individual student.



### TEC 411

#### AUTOMOTIVE TECHNOLOGY 2

This is an advanced automotive course for the students interested in enhancing knowledge as an auto technician. The course is designed for students to understand a deeper knowledge NATEF (National Automotive Technicians Education Foundation) standards for brakes, steering & suspension, and various other automotive systems. engine repair and various

other automotive systems. Students will gain hands on experience as well as learn the theory and operation of multiple automobile systems. In order to take this class students should have an interest in automotive servicing, and have passed "Automotive Technology 1". Materials and parts needed to service automobiles will be at the student's expense. Labs will include: disc brakes, drum brakes, master cylinder, ABS, Suspension, tire mounting , and tire balancing.

- COST: Shop fee
- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 11 - 12
- PREREQUISITES: Automotive Technology 1 with a passing grade

### TEC 450 WOODWORKING 2

This is an advanced class for those who have proven themselves to be serious and capable of advanced learning in woodworking techniques and problem solving. This is a **single period class** that is spent on custom woodworking, in the design and construction of a student-selected major project. Students may find a plan or design their own. The "sky is the limit" with this project. Gun cabinets, roll top desks, grandfather clocks, computer work stations, beds, poker tables, and other various types of furniture have historically been common for this final exhibition of excellence. Less expensive projects fit here as well, depending on your needs, budget, and skill-level of the student. The building of cabinets, furniture, or virtually any wood specialty items to specifications will be stressed, with each individual student taking on a project that will push them in their quest for excellence. Project costs vary by student, wood species, and complexity of the project. **This is a single period class .....not a block period!!**

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 11-12
- PREREQUISITES: Recommended "C" or better grade in Woods 1 and/or consent of instructor
- COST: Lab fee

### TEC 460 METALS 2 ADVANCED METAL WORKING & CAREERS

This course is for students who have proven

themselves in Metals I and are serious in continuing and improving upon their metalworking skills, and also have an interest in a possible metalworking career. Students will continue to improve upon their metalworking skills by working in the five metalworking areas: welding, machining, sheet metal, forging, and metal finishing. The major emphasis in the course will be in the welding (GTAW)and machining areas. Students are expected to be able to plan and build a welding project utilizing basic welding skills developed in the Intro and Metals 1 courses. Metalworking careers will also be covered with possible visitation to metalworking facilities. The content of the course will be through lecture, and hands on applications. **This is a SINGLE PERIOD CLASS.**

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 11-12 (10 with instructor consent)
- PREREQUISITES: Metals 1 - pass with a minimum grade of "C" or consent of instructor
- COST: Lab fee & Welding gloves
- PROJECT COST: Costs will vary per each individual student.

### TEC 490 WOLVERINE WORKS

This capstone course has been designed as a paid co-op experience serving both the students, as real job experiences, and the community, providing a cost-effective service to complete custom jobs that exist in a wide range of categories. Students will operate a student-run business out of the high school's Technology & Engineering Department, focusing on all aspects of today's manufacturing industry. Students will draw on skills learned in any previous T&EE courses sequences, as they work to complete tasks brought in for consideration by customers. The students will be responsible for product development & engineering, quoting jobs, ordering material, manufacturing individual parts and complete products, quality control, shipping & receiving, customer service, keeping track of hours, and accounting...virtually all aspects of running a business. The Wolverine Works program will generate funds to help further our T&EE department, but will also pay a percentage of the profits back to the students for their efforts. Students would also be able



to make use of before school, after school, and study hall time to complete project work, with hours worked being a part of the student pay formula. **Note: Course could be taken in consecutive semesters depending on student interest.**

CREDIT: 1.0 (with profit sharing [\$])

COURSE STATUS : Elective

GRADE LEVEL: 11-12

PREREQUISITES: Successful completion of at least two 200 level courses, or one 300 or 400 level T&EE course (automotive courses do not qualify). An interview process may be used to determine if a student would benefit from the program, and has the required skills aptitude.

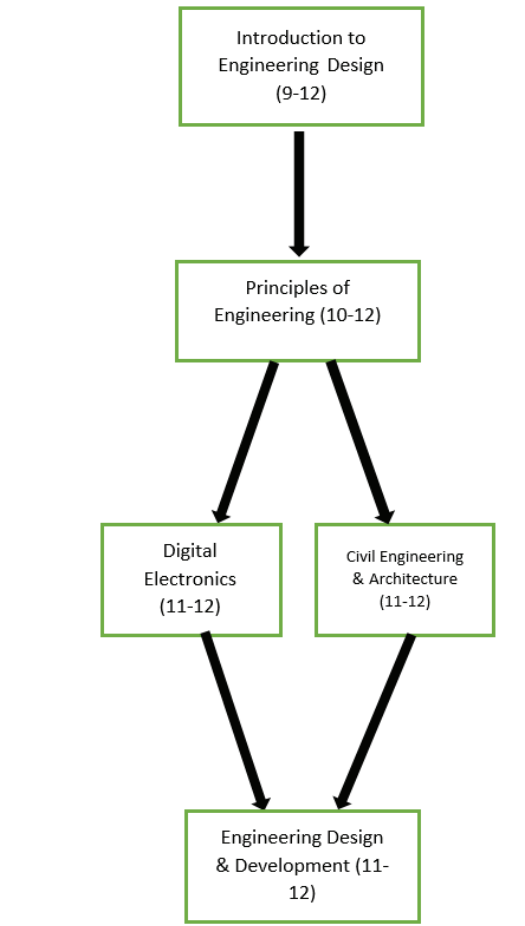


The Technology & Engineering Department is excited to offer an assortment of Project Lead the Way (PLTW) classes, which are rigorous, college-level courses meant for highly motivated students interested in Engineering and Design. PLTW Engineering is about applying engineering, science, math, and technology through a project-based, hands-on approach to solve complex, open-ended problems in a real-world context. Students focus on the process of defining and solving a problem, not on getting the “right” answer. They learn how to apply STEM knowledge, skills, and habits of mind to make the world a better place through innovation.

Students are able to earn college credit for some PLTW courses--ask for more details.

Visit <http://bit.ly/wuhs-pltw> for informational videos about these classes.

Although some courses may be taken independently, the recommended pathway is as follows:



### TEC 150 INTRODUCTION TO ENGINEERING DESIGN (PLTW)

In this course, students learn about the design process through a variety of large projects. A significant portion of the class is spent learning the basics and then developing advanced skills in SolidWorks, a 3D CAD solid modeling design software used to help design solutions to solve proposed problems. After completing this course,

students will be prepared to design very complex parts in SolidWorks, and utilize this important program for engineers as a tool in their postsecondary education. From designing and building cardboard boats to modeling and 3D printing skyscrapers, students will learn about the design process, research and analysis, teamwork, and communication methods through many open-ended, creative projects. Visit <http://bit.ly/wuhs-pltw> for an informational video about this class.

- CREDIT: 1
- COURSE STATUS: Elective
- GRADE LEVEL: 9-12
- PREREQUISITES: None
- COST: Lab fee



### TEC 270

#### PRINCIPLES OF ENGINEERING (PLTW)

This survey course of engineering exposes students to some of the major concepts they will encounter in a postsecondary engineering course of study. Students will be exposed to a number of different areas related to engineering, including statics, electronics, robotics, and programming. Robotic systems will be utilized to help employ engineering and scientific concepts in the solution of many significant engineering design problems. Students develop problem-solving skills and apply their knowledge of research, design, and mathematics to create solutions to various challenges. Students also learn how to document their work and communicate their solutions to peers and members of the professional community. Visit <http://bit.ly/wuhs-pltw> for an informational video about this class.

- CREDIT: 1 (could also be a science elective credit)
- COURSE STATUS: Optional Dual Enrollment
- GRADE LEVEL: 10-12
- PREREQUISITES: IED (TEC 150) recommended
- COST: Lab fee



### TEC 380

#### DIGITAL ELECTRONICS (PLTW)

This course is the study of electronic circuits that are used to process and control digital

signals. Digital electronics is the foundation of all modern electronic devices such as cellular phones, MP3 players, laptop computers, digital cameras, and high-definition televisions. The major focus of this course is to expose students to the design process of circuit design through combinational and sequential logic design, teamwork, communication methods, engineering standards, and technical documentation.

- CREDIT: 1 (could also be a math elective credit)
- COURSE STATUS: Optional Dual Enrollment
- GRADE LEVEL: 11-12
- PREREQUISITES: POE (TEC 270)
- COST: Lab fee



### TEC 390

#### CIVIL ENGINEERING & ARCHITECTURE (PLTW)

The major focus of this course is completing long-term projects that involve the development of property sites. As students learn about various aspects of civil engineering and architecture from structural analysis to storm water management and soil analysis, they apply what they learn to the design and development of a property. The course provides teachers and students freedom to develop the property as a simulation or for students to model the experiences that civil engineers and architects face. Students work in teams, exploring hands-on activities and projects to learn the characteristics of civil engineering and architecture. In addition, students use Revit, a 3D architectural BIM design program to help them design solutions to solve major course projects. Students learn about documenting their project, solving problems, and communicating their solutions to their peers and members of the professional community of civil engineering and architecture.

- CREDIT: 1
- COURSE STATUS: Optional Dual Enrollment
- GRADE LEVEL: 11-12
- PREREQUISITES: POE (TEC 270); IED (TEC 150) recommended
- COST: Lab fee



TEC 420  
ENGINEERING DESIGN &  
DEVELOPMENT (PLTW)

This capstone course allows students to design a solution to a technical problem of their choosing. They have the chance to eliminate one of the “Don’t you hate it when...” statements of the world. This is an engineering research course in which students will work in teams to research, design, test, and construct a solution to an open-ended engineering problem. The product development life cycle and a design process are used to guide and help the team to reach a solution to the problem. The team presents and defends their solution to a panel of outside reviewers at the conclusion of the course. The EDD course allows students to apply all the skills and knowledge learned in previous Project Lead the Way courses. The use of 3D design software helps students design solutions to the problem their team has chosen. This course also engages students in time management and teamwork skills, a valuable asset to students in the future. Students may take this course for a second year as an Independent Study in Engineering.

- CREDIT: 1
- COURSE STATUS: Elective
- GRADE LEVEL: 11-12
- PREREQUISITES: IED (TEC 150) and POE (TEC 270); DE (TEC 380) recommended
- COST: Lab fee

## WORLD LANGUAGES

**EARN FREE COLLEGE CREDITS for each level of World Language completed in High School. See instructor for details.**

**WLA 110  
SPANISH I**



The student is introduced to the Spanish language through basic vocabulary and grammar. Practice is given in all aspects of the language: listening, reading, speaking, and writing.

- CREDIT: 1.0
- COURSE STATUS: Elective
- GRADE LEVEL: 9 - 12
- PREREQUISITES: None
- COST: Binder

**WLA 120  
FRENCH I**



French 1 introduces students to the French language and cultures of 29 official French-speaking countries. Students who take French 1 freshman year are eligible to earn college credit through PIE French 4 during senior year. In French 1, students interactively practice speaking, reading, writing and listening in French through a combination of peer engagement and self-paced learning. Students practice describing themselves, their family and home, ordering in a restaurant, shopping, and more! Cultural celebrations include our annual French Week in November and Mardi Gras in the spring.

Students are encouraged to participate in any French activities outside of class offered by our French Honors Club.

**\*\*Students who take 4 years of French are eligible to earn 4 college credits and 12 additional retro-active credits from UW-Whitewater through PIE biFrench 252 their senior year. However, students must begin French 1 their freshman year for this dual credit option.**

- CREDIT: 1.0
- COURSE STATUS: Elective
- GRADE LEVEL: 9 - 12
- PREREQUISITES: None

WLA 210  
SPANISH II



Spanish II is a continued development of speaking, reading, writing, and listening skills. There is also a greater emphasis on vocabulary expansion and cultural topics.

- CREDIT: 1.0
- COURSE STATUS: Elective
- GRADE LEVEL: 9 - 12
- PREREQUISITES: Spanish I (Recommended grade of C )
- COST: Binder

WLA 220  
FRENCH II



In French 2 students deepen their understanding of French vocabulary through fun, engaging activities and units. Topics include professions, daily routine, food, nutrition, health and fitness. Students demonstrate speaking and writing mastery through creative projects while exploring French culture through authentic pen-pal interactions and French films. Students in French 2 are encouraged to apply for French Honors Club, which provides students unique local and international leadership opportunities. Students may also have opportunities to host a student from France or travel to France in years trips are offered.

**\*\*Students who take 4 years of French are eligible to earn 4 college credits and 12 additional retro-active credits from UW-Whitewater through PIE French 252 their senior year.**

- CREDIT: 1.0
- COURSE STATUS: Elective
- GRADE LEVEL: 9 - 12
- PREREQUISITES: French I

WLA 310  
SPANISH III



This course is a continued, intensive development of speaking, writing, listening and reading skills with greater emphasis on increased development of grammatical and communicative skills in preparation for advancement into the higher levels.

- CREDIT: 1.0
- COURSE STATUS: Elective
- GRADE LEVEL: 10 - 12
- PREREQUISITES: Spanish II (Recommended grade of C)
- COST: Binder

WLA 320  
FRENCH III



In French 3, students enter the Intermediate level of speaking, writing, and interpreting French. Students continue to explore the Francophone world through a global lens. Units include Health & Wellness, Cultural Cliches, a literary work (Phantom of the Opera), and French Art History. Students complete mastery assessments through creative projects and presentations. Students in French 3 are encouraged to apply for French Honors Club, which provides students unique local and international leadership oppor

tunities. Students may also have opportunities to host a student from France or travel to France in years trips are offered. **\*\*Students who take 4 years of French are eligible to earn 4 college credits and 12 additional retro-active credits from UW-Whitewater through PIE French 252 their senior year.**

- CREDIT: 1.0
- COURSE STATUS: Elective
- GRADE LEVEL: 10 - 12
- PREREQUISITES: French II (Recommended grade of C)

WLA 401  
SPANISH FOR HEALTHCARE CAREERS

This course provides language skills and cultural awareness to interact with patients and their families in a healthcare environment. Students will engage in simulated conversations, learn medical terminology, and explore realworld situations through field trips and/or guest speakers.

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 12th
- PREREQUISITES: Senior who has successfully completed at least Spanish 3. May be taken concurrently with Spanish IV or V

WLA 410  
SPANISH IV



This course prepares the student for intensive grammar study and further development of communicative skills. Authentic materials are used to introduce vocabulary and grammar such as videos, music, and graded Spanish texts.

- CREDIT: 1.0
- COURSE STATUS: Elective
- GRADE LEVEL: 10-12
- PREREQUISITES: Spanish III (Recommended grade of C)
- COST: Workbook





WLA 420  
FRENCH IV



French 4/PIE French 252 is a dual-enrollment course at WHS, offering students college credit from UW-Whitewater. Students who do NOT prefer to take the dual-credit option may simply take the course as “French 4.” The standards for this class include speaking, writing, and interpreting French at an Intermediate level. Units are thematic, yet include an intensive grammar review throughout the year. Themes include Education in France, Francophone Music, the Global Search for Water, and a literary work (Le Petit Prince).

Students in French 4 may also have opportunities to host a student from France or travel to France in years trips are offered.

High school juniors or seniors who meet at least one of these requirements are eligible to enroll in PIE courses offered at WUHS.

- You have a GPA of at least 3.0 on a 4.0 scale – or

- You have an ACT score of 22 or higher

**Students who enroll in a PIE French 252 (French 4) earn 4 credits for French 252. Students who maintain a B average will earn an additional 12 retro-active credits for the 3 previously completed years of French (4 credits per class) for a total of 16 credits from UWWhitewater.**

- CREDIT: 1.0
- COURSE STATUS: Optional Dual Enrollment (pending number of students enrolled)
- GRADE LEVEL: 11 - 12
- PREREQUISITES: French III (Recommended grade of C)
- COST: \$440

WLA 426  
SPANISH 5



This course completes the Spanish Language sequence and prepares the student for college and employment. Students develop proficiency in all modes of communication through the study of culture. In addition, students are prepared for the WI college entrance exam to prepare them to potentially earn free retroactive college credits.

- CREDIT: 1.0
- COURSE STATUS: Elective
- GRADE LEVEL: 12
- PREREQUISITES: Spanish IV (Recommended grade of B and teacher recommendation.)

WLA 427

**PATHWAYS TO GLOBAL COMPETENCY**

How could speaking “bad English” be idea in a global setting?

When is it ok and NOT ok to make eye contact when traveling?

What etiquette rules should we be aware of when greeting an international colleague for the first time?

Pathways to Global Competency prepares students for the challenges and opportunities of a globalized economy, making them more competitive and adaptable in their futrue careers. Students will actively enhance essential “soft skills” such as using appropriate eye contact, space, gestures, and manners when communicating across cultures. Students will also learn to recognize accents and adapt their own language skills to increase global understanding. Prepare to complete a variety of creative projects and interact with students from other parts of the world as a means of increasing your gl awareness and developing 21st century skills.

- CREDIT: .5
- COURSE STATUS: Elective
- GRADE LEVEL: 11 - 12
- PREREQUISITES: None

## OTHER ELECTIVES

**YRB 200**

**YEARBOOK/NEWSPAPER PUBLICATION**

Yearbook provides fast paced, real world publishing experience to the students by creating Waterford Union High School’s yearbook, The Emerald. . Students create page layouts for a variety of school clubs, classes, activities and organizations. Individual pages are created through Jostens Yearbook Avenue software.

Digital photography is introduced and basic photographic techniques are discussed to help create exciting and memorable images to help “tell the story” of the school year. Additional computer programs are also used to edit and finalize the book. Students develop creative writing techniques through information gathering, interviews and reporting on the happenings of the school as well as writing captions for the photographs.

- CREDIT: 1.0
- COURSE STATUS: Elective
- GRADE LEVEL: 10-12
- PREREQUISITE: None

# CAREER PATHWAY COURSES

## FUTURE TEACHER ACADEMY

WUHS partners with UW-Whitewater to offer students the opportunity to get a head start on their teaching degree and earn experience volunteering in a classroom setting. Successful completion of 1 and enrollment in the other courses below would qualify a student to apply for credited volunteer experience in a classroom as well.



### EDFOUND 230 INTRODUCTION TO HUMAN DEVELOPMENT

The focus of this course is the study of human development and change throughout the entire lifespan from psychological, sociological and biological perspectives.

Fall Semester

- CREDIT: .75 WUHS; 3 UWW
- COURSE STATUS: Elective
- GRADE LEVEL: 11-12
- PREREQUISITES: GPA 3.0 OR 22 ACT
- COST: \$330



### SPECED 205 INTRODUCTION TO SPECIAL EDUCATION

A survey course designed to familiarize student with a wide range of disabilities. The course provides a foundation for interacting with individuals throughout the lifespan and addresses how the referral/placement processes can discriminate against marginalized populations for facilitate inclusion.

Spring Semester

- CREDIT: .75 WUHS; 3 UWW
- COURSE STATUS: Elective
- GRADE LEVEL: 11-12
- PREREQUISITES: GPA 3.0 OR 22 ACT
- COST: \$330

## MSC 305

### WUHS/GTC WELDING ACADEMY

Waterford High School partners with Gateway Technical College to offer an onsite Welding Academy. By the time you graduate high school, you'll have earned your Welding/Maintenance and Fabrication technical diploma for free, and you'll be ready to begin work as a production or maintenance welder. Or apply your credits toward Gateway's Welding technical diploma to continue your education. The Welding Academy runs for a full afternoon block, students interested should be in good standing with credits (on track for graduation) to ensure they are able to participate in the Academy.

- COMMITMENT: 2 -3 SEMESTERS
- GRADE LEVEL: 11-12
- PREREQUISITE: Introduction to Metals

Courses that could be involved in this Welding Academy:

Course	College Credit	WUHS Credit
Gas Metal	3	.75
Adv. Gas Metal Arc	3	.75
Shielded Metal Arc	3	.75
Ad. Shielded Metal Arc	3	.75
Metal Fab	2	.50
Metal Fab II	3	.75
Gas Tungsten Arc	3	.75
Adv. Gas Tungsten Arc	3	.75
Oxyacetylene	3	.75

## OTHER PROGRAMS OFFERED AT WATERFORD UNION HIGH SCHOOL

### GPS EDUCATION PARTNERS

The GPS Education Partners program is designed to jump-start technical careers through individualized training and real-world application. Students who participate in the GPS program benefit from a change in school environment and enjoy a more hands-on, fully immersive educational experience, located within a manufacturing setting. Students experience a comprehensive curriculum and a paid youth apprenticeship at a local business that is safe, structured, and managed by a business mentor. Upon completion of the GPS program, students earn their full high school diploma and industry certifications. They also have the opportunity to earn college credits. In addition, students develop character, leadership and employability skills through their experiences in the classroom, on the work floor and performing service learning. Graduates of the GPS program are prepared to begin a technical career as well as a post-secondary degree. Students interested in exploring GPS Education Partners should contact their counselor or GPS Education Partners enrollment office at [enrollment.office@gpsed.org](mailto:enrollment.office@gpsed.org) for more information.

### YOUTH APPRENTICESHIP

Wisconsin's Youth Apprenticeship program is a part of a statewide School-to Work initiative. It is designed for high school students who want hands on learning in an occupational area at a worksite along with classroom instruction. Youth Apprenticeship is a one or two year program available to juniors and seniors.

### WUHS ALTERNATIVE EDUCATION

Waterford Union High School now offers an alternative educational program for students who may benefit from an alternative setting to complete their high school career. Students are provided a quality education based on their personalized learning plan through the use of project-based learning, diverse teaching strategies, community involvement and varied performance assessments. Students should contact their counselor for more information.

## OTHER EDUCATIONAL OPTIONS

**Credit Recovery-** Online Courses - Waterford High School now has online courses available for credit recovery during the summer or school year. Most required classes are available for credit recovery. Contact your school counselor if you have failed a course and are interested in making up that credit using an online course.

**Alternative Placements** - Special Education and At Risk - Waterford Union High School offers off-site/alternative placements to special education students's individual education planning team.

## SUMMER SCHOOL COURSES

**Gateway Academies** - Gateway Technical College offers a number of Academies to help high school students jump start their career. Students have the opportunity to earn certifications and credentials by taking courses at Gateway's campus with Gateway instructors leading towards a Gateway certificate or diploma. Academies are offered on a Contract for Service with Gateway, students must complete a H.S. Academy application and gain approval from Waterford High School. Students who would like to learn more about GTC Academies should contact their School Counselor or the WUHS Gateway New Student Specialist.

**Challenge Academy** - The Wisconsin Challenge Academy is a residential program to intervene in the lives of youth at risk of not graduating from high school. The program is for highly motivated youth, committed to turning their lives around. The quasimilitary residential program offers cadets the opportunity to earn the High School Equivalency Diploma (HSED), replace negative habits with positive behaviors and develop the life skills necessary to be successful, responsible citizens. Interested students should contact their WUHS school counselor for more information.

**MAISY Online Academy** - MAISY Online Academy provides a variety of online learning opportunities to our students; providing students a non-traditional schooling option that will enable them to take classes and create a personalized schedule. MAISY provides a curriculum that includes core and elective credits. Enrollment in MAISY Academy includes a student, parent interview and approval by administration. Please contact your school counselor with questions.

Here at Waterford Union High School, we believe that students who continue learning during the summer are better prepared for the next school year and are less likely to lose the knowledge and skills they worked so hard to gain. The Summer School courses have been designed to meet a wide variety of interests and needs. Some courses focus on skills, designed to assist students in maintaining progress over the summer, others focus on enrichment.

Feel free to email Ehren Klebenow at [Eklebenow@wuhs.us](mailto:Eklebenow@wuhs.us) if you have any questions.

### APEX/EDUCERE

These courses can offer half of a credit in a variety of courses through our online program. Apex/Educere is a web-based curriculum designed to enhance the student's educational experience. It is treated as a credit recovery course. Only students who have failed one of the following classes are eligible: *English courses, science courses, social studies courses, and a variety of other courses.* The course will count towards their graduation requirements.

• CREDIT: .5



### ENGLISH 9 CREDIT RECOVERY

This course will focus on the essential standards of English from the ninth grade level with particular emphasis on reading, writing, grammar and organizational skills. The course syllabus consists of the development of writing compositions, and responding to prompts. Another component of the course is the growth of reading skills which will help students prepare for the tenth grade English curriculum. Literary analysis is sequenced through

thematic units, which include the study of short stories, poetry, and novels.

•CREDIT: .5

### ENGLISH 10 CREDIT RECOVERY

English 10 Summer Recovery is a seven week course which will help to develop in students the ability to think clearly, logically, and critically. Emphasizing the major literary genres, English 10 Summer Recovery will cover the application of language skills and analysis of literature around a variety of themes. Students will be exposed to two novels, a drama, and compose several essays during the course which will lay a solid foundation for Wisconsin English State Standard Recovery at the 10th grade level.

•CREDIT: .5

### ENGLISH BOOST!

In addition, students will focus on improving their reading stamina, basic skills and strategies to prepare for the upcoming reading load, and will be exploring multiple genres with both fiction and nonfiction texts. IN OTHER WORDS, to prepare you with all the skills you'll need. Students will have the opportunity to interact and learn through virtual, interactive lectures and videos, collaboration in small group discussions as well as through exploration of new and fun texts that interest YOU. If this sounds good, then English Boost is right for you!

•CREDIT: .5

### ALGEBRA 1 CREDIT RECOVERY

This course is for students who failed **2nd semester of Algebra 1** during the 2023-2024 school year. If students pass the summer course, which consists of 2nd semester Algebra 1 curriculum, students will have an opportunity to take Geometry next year instead of repeating Algebra 1. This would then allow them to take Algebra II The following year and hopefully increase their ACT score due to being exposed to more advanced material.

Concepts covered in this course will include real numbers and their properties, expressions, functions such as: linear, quadratic, radical, and rational, as well as graphing polynomials, using formulas, and slope.

•CREDIT:.5

### MATH ENRICHMENT

This course is intended for students who are either planning on taking **Accelerated Geometry or Algebra II** with Trig this upcoming year. This course frontloads difficult concepts such as writing equations of lines, factoring, completing the square, the square, and other algebra foundational skills. These skills are critical for the success of students in Accelerated Geometry and Algebra II With Trig. This frontloading would help strengthen students' algebra I foundational skills.

•CREDIT: .5

### STRENGTH AND SPEED

Summer Strength and Speed class will incorporate weight room instruction and progressive training workouts to strengthen the body. There will also be various conditioning activities daily to improve both speed and endurance. This class is 1/4 credit elective that can be taken by incoming freshmen to incoming seniors. The class will run for 5 weeks.

•CREDIT: .25

### ALGEBRA REINFORCEMENT LEVEL 1

In this course students will be introduced to the following Algebra concepts: simplifying the order of operations, solving equations and inequalities, graphing lines, writing equations of lines, and factoring. The course will be designed to get students comfortable with material they will see during Algebra I.

- CREDIT: .50

### ALGEBRA REINFORCEMENT LEVEL 2

In this course students will be introduced to the following Pre-Algebra concepts: understanding basic number sense (i.e. evens/ odds, factors, fractions, decimals), simplifying the order of operations, solving equations, and graphing lines. The course will be designed to supplement their current math understanding in order to be successful in grade level content.

- CREDIT: .50

### DRAWING AND PAINTING

This class will focus on drawing and painting from life. We will closely study scale and proportion to more successfully draw from life. These skills will be applied to projects such as plein air painting, food study drawings, and drawing architecture.

- CREDIT: .25

### DRIVERS EDUCATION

There will be two sessions during the summer. Dates are TBD. Classes are Monday thru Friday, 10am-12pm. We do behind-the-wheel all summer in July and August - but that will be scheduled separately from the classroom session. We cover the basic rules of the road; vehicle maneuvers; signs, signals, and pavement markings; driving in a variety of environments such as urban areas, rural areas, and the expressway; what to do in case of an emergency; insurance requirements; and they are given the test for the learner's permit in class. There will be temps tests following each session. **The cost for behind the wheel is \$325.**

- CREDIT: .50

### SUMMER BAND

Summer band lessons are a great way for you to hone your skills during our "off-season." If you are an incoming Freshman, this is the perfect way to learn the fundamentals and meet your new high school band mates before the 4th of July parade. These lessons are separate from the parade rehearsals and focus on the musical skills of the individual. Those who participate will earn points towards a letter. Please reach out to Rodger Luttio if you would like to join summer band at rluttio@wush.us.

### SUMMER LIFESTYLEFITNESS II

This summer course builds upon the concepts taught in Fitness I and allows students to further enhance aspects of their individual fitness including strength, endurance, and flexibility through a range of activities. A portion of the class will include students completing self-designed workout programs based on individual goals. This course meets Monday through Thursday for 7 weeks in the summer for 2.5 hours each day.

- CREDIT: .50
- GRADE LEVEL: 11-12
- PREREQUISITES: Introduction to Physical Education, Lifestyle Fitness I
- COST: Fitness tracking device

# HOW TO EXPLORE CAREERS AND COLLEGES ON LINE

## **ACT Profile**

<http://act.org/profile/>

## **College & Career Ready**

<http://www.collegeandcareerready.org/>

## **University of Wisconsin Schools**

<http://uwhelp.wisconsin.edu/>

## **Wisconsin Technical Colleges**

<http://www.wtcsystem.edu/>

## **Wisconsin Private Colleges & Universities**

<http://www.wisconsinsprivatecolleges.org/>

## **College Navigator**

<http://nces.ed.gov/collegenavigator/>

## **College Portraits**

<http://www.collegeportraits.org/>

## **Know How 2 Go Wisconsin**

<http://knowhow2gowisconsin.org/>

## **Wisconsin Career Pathways**

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

## **Exploring Military**

[www.militarycareers.com](http://www.militarycareers.com)

## **Exploring Apprenticeships**

[www.milwbuildingtrades.org](http://www.milwbuildingtrades.org)

[www.dwd.state.wi.us/apprenticeship](http://www.dwd.state.wi.us/apprenticeship)

## **Scheduling a UW College Visit**

Go to the following website: [www.uwhelp.wisconsin.edu](http://www.uwhelp.wisconsin.edu)

Click "STUDENTS"

Click "FRESHMAN"

Click "Campus Tours"

