

Wilmot Union High School

Academic & Career
Planning Guide

2021-2022



Academic Resources

Course Offerings

Career & Post-Secondary Planning

Wilmot Union High School Mission Statement

As a professional learning community, Wilmot Union High School's core purpose is to ensure our students are college, career, and civic ready by fostering a culture of life-long learning.

District Vision

As a learning community and through community involvement, Wilmot Union High School has developed a clear sense of who we want to become through a process where district stakeholders: students, staff, parents, community members, business partners and Board of Education members came together and identified the key characteristics and values we want to exemplify. These characteristics and values were aligned under five pillars to further define the key areas of focus for our learning community.

- I. Safe and Supportive Learning Environment
- II. Equity and Access for All Students
- III. Community Partnerships
- IV. Collaborative Culture for Learning
- V. Curriculum, Instruction and Assessment

It is through these five pillars and their guiding statements that WUHS and our stakeholders will empower one another to create and fulfill the goals and commitments that will bring our vision to fruition. We invite every stakeholder of the WUHS learning community to enter in to this process of adopting the defined values to fulfill our vision of an exemplary school.

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GRADUATION REQUIREMENTS

Subject	WUHS Minimum Graduation Requirements	Minimum Requirements for College Admission	Recommendation for Highly Selective Colleges
English	4	4 college bound credits recommend AP level	4 – 5 credits including AP level
Math	3	3 credits to include Algebra, Geometry & Algebra II	4 credits including AP level
Science	3	3 credits Recommend AP level	4 + credits to include Biology, Chemistry, Physics including AP level
Social Sciences	3	3 credits Recommend AP level	4 + credits including AP level
World Language	0	Varies from college to college	4 credits of the same language
Health	.5		
Physical Education	1.5 (only 0.50 credit per year counts toward graduation requirements)		
Fine Arts			1 or more credits of performing arts required for some schools
Electives		4 Academic Electives	Academic Electives Recommended
Total		17 + Academic Credits	20 + Academic Credits

*Requirements may vary, please check university admission websites. Students are encouraged to take more than the minimum number of credits, including Advanced Placement courses.

**Students seeking admission to highly competitive institutions should consider taking as many academically rigorous and Advanced Placement courses as possible. UW-Madison falls under the highly selective college category.

GRADUATION PLANNING GUIDE

CLASS of 2022, 2023

Wilmot Union High School requires a full time student to be enrolled in a minimum of 6 courses per semester. A minimum of 24 credits are required to fulfill graduation requirements. Within these 24 Credits, the following subject areas are required:

FRESHMAN YEAR		SOPHOMORE YEAR	
English	1.00 Credit	English	1.00 Credit
**Math	1.00 Credit	**Math	1.00 Credit
Physical Education 1	0.50 Credit	*Physical Education	0.50 Credit
Health	0.50 Credit	*Science	1.00 Credit
Science	1.00 Credit	World History	1.00 Credit
Civics	0.50 Credit	Electives minimum	1.50 Credit
Global Studies	0.50 Credit		
Elective	minimum 1.00 Credit		
JUNIOR YEAR		SENIOR YEAR	
English	1.00 Credit	English	1.00 Credit
**Math	1.00 Credit	Financial Literacy	0.50 Credit
*Physical Education	0.50 Credit	Economics	0.50 Credit
*Science	1.00 Credit	*Science	1.00 Credit
US History	1.00 Credit	*Physical Education	0.50 Credit
Electives	minimum 1.50 Credits	Social Science Elective	0.50 Credit
		Elective minimum	2.00 Credit

CLASS of 2024 and Beyond

FRESHMAN YEAR		SOPHOMORE YEAR	
English	1.00 Credit	English	1.00 Credit
**Math	1.00 Credit	**Math	1.00 Credit
Physical Education 1	0.50 Credit	*Physical Education	0.50 Credit
Health	0.50 Credit	*Science	1.00 Credit
Science	1.00 Credit	World History	1.00 Credit
Civics	0.50 Credit	Electives minimum	1.50 Credits
Elective	minimum 1.50 Credit		
JUNIOR YEAR		SENIOR YEAR	
English	1.00 Credit	English	1.00 Credit
**Math	1.00 Credit	Financial Literacy	0.50 Credit
*Physical Education	0.50 Credit	Economics	0.50 Credit
*Science	1.00 Credit	*Science	1.00 Credit
US History	1.00 Credit	*Physical Education	0.50 Credit
Electives	minimum 1.50 Credit	Electives minimum	2.50 Credit

** 1 year of Algebra and 1 year of Geometry are required for graduation. 7th and 8th grade students who earn credit in Algebra and/or Geometry at Wilmot Union High School or at their respective feeder school that has a transcribed agreement with WUHS will receive GPA credit for those courses. State requirements mandate that those students must still enroll in 2 more years of math at the high school level.

* 1.5 semester credits of Physical Education (0.50 credit per year counts toward graduation) and 3 credits of Science are required for graduation. A student has the option of completing them during any of the years indicated.

EARLY GRADUATION

Students who wish to graduate early should meet with their school counselor to determine eligibility. Once it is determined that the student can meet graduation requirements earlier than the scheduled semester of graduation, the student, with parent approval, must complete the Early Graduation Request Form, available from their school counselor and submit it to the Principal for approval by September 1st.

Students who elect to graduate early will be responsible for completing all of the graduation requirements by the end of their 1st semester of their Senior Year. In order to do this, they will have to complete one full credit of English during the 1st semester of their Senior year.

GRADUATION CEREMONY PARTICIPATION

- A student will not receive a signed diploma until all Wilmot Union High School requirements have been fulfilled. Students who graduate early may participate in the graduation ceremony with their graduating class. Participation in the commencement ceremony is a privilege which can be revoked by an administrator.
- Students must be within 1 credit of meeting the graduation requirements, by 3pm on the Thursday prior to graduation, in order to participate in the Graduation Ceremony.

UW SYSTEM MINIMUM ADMISSION REQUIREMENTS

The University of Wisconsin System requires a minimum of 17 credits which must be distributed as follows (meeting minimum admission criteria does not guarantee admission).

ENGLISH	SOCIAL STUDIES	MATHEMATICS	NATURAL SCIENCE	ELECTIVES
4 Credits	3 Credits	3 Credits	3 Credits	4 Credits
Including Composition and Literature	Including History	Including Algebra and Geometry and higher math units	Lab sciences (biology, chemistry, physics) are strongly recommended and even required by some universities	4 or more Credits from the departments listed on this table or Fine Arts, Computer Sciences or World Language

Each campus may specify additional credit requirements for the remaining credits and may specify required content for all 17 credits. Some universities, for example, require a minimum of two credits in a single world language. Check with the Student Services office regarding specific requirements for the college(s) and university (ies) you are interested in attending.

For example - UW Madison requires 4 years of English and Math, 3-4 years of Science, Social Studies, and World Language.

In comparison - UW Parkside requires 4 years of English and 3 years of Math, Science & Social Studies with no requirements of a World Language. Most students should plan to take 4 years of all of the core courses (English, Math, Science and Social Studies) and at least 2 years of a World Language if they are college bound to ensure they are able to attend the university of their choice. Likewise, universities require different ACT scores for admission. UW Madison requires scores between 27 and 32, whereas UW Parkside requires a 21 or higher. Again, if students are taking 4 years of all of the core courses and high levels of these core courses, they will be best prepared to score well on this highly important test.

Additional Criteria Used In the College Admissions Process

Standardized Test Score

ACT or SAT depending upon the college's requirement. All WUHS students will take the ACT Test in their junior year. It is recommended that students desiring a specific college take an ACT or SAT preparatory course and take the test more than once. Most colleges in the Midwest require the ACT Test score while many schools in the east or west require the SAT.

Activities/Special Talents/Leadership Experiences

Some universities will review a student's involvement in co-curricular activities and leadership roles. These factors will be very important in the admission process at highly competitive colleges and at The United States Military Academy at West Point, NY and at The United States Naval Academy at Annapolis, MD.

COURSE REGISTRATION
Scheduling Timeline

January	<ul style="list-style-type: none"> • Online Course Registration Open <i>(See instructions below for accessing online registration via Student Access)</i>
February	<ul style="list-style-type: none"> • All Students meet with their school counselor for individual course registration • Early College Credit Program (ECCP) February 15 early registration deadline. Student schedules will be adjusted based upon acceptance into the ECCP Program
March	<ul style="list-style-type: none"> • Individual Course Registration completed by March 1st • Final Deadline - Early College Credit Program (ECCP) applications are due March 1st for fall semester courses. Course registration requests will be adjusted upon acceptance into the ECCP Program
April	<ul style="list-style-type: none"> • Schedule change requests are available by appointment with students' school counselor
May	<ul style="list-style-type: none"> • Final course request changes are due May 1st
June & July	<ul style="list-style-type: none"> • Summer School is in session • School counselors will be in their offices on a limited basis. Students and parents may contact school counselors via e-mail for any scheduling questions • Final schedules are available once the annual online registration is completed by a parent in July
September	<ul style="list-style-type: none"> • School year begins • Schedule changes may be honored for the first 3 days of school only for schedule conflicts • New courses can be added during the first 3 days of school • Individual Planning Conferences begin for freshmen • Early College Credit Program (ECCP) Sept. 15 early registration deadline. Student schedules will be adjusted based upon acceptance into the ECCP Program
October	<ul style="list-style-type: none"> • Final State Deadline - Early College Credit Program (ECCP) applications are due October 1st for spring course requests. Student schedules will be adjusted based upon acceptance into the ECCP Program
November	<ul style="list-style-type: none"> • 11th grade individual planning conferences begin.

Instructions for Accessing On-Line Registration via Student Access (www.wilmothighschool.com)

1. Click "Students"
2. Click "Skyward Student Access"
3. Log in using information previously provided
4. Click "Course Request"
5. Click "Courses for 2021-2022"
6. Click "Update Requests"
7. Highlight course by clicking on it
8. Click "Add Course" *Note: You must have minimum of 6 credits selected*
9. Click "Alternate Courses"
10. Choose 2 credits of Alternate Courses

SCHEDULE CHANGES

Each year a new master schedule is created to accommodate students' course requests. Faculty members are employed, textbooks are purchased, and rooms are assigned based on these requests. Changes in elective choices will not be approved after May 1st. Schedule change requests will be considered for educational reasons only and honored as space is available. **Students must remain in the class until their schedule has been changed by their counselor.**

DROPPING A COURSE

A student's request to drop a course may be considered if extraordinary circumstances warrant it and after a meeting between the student, current teacher, parent, counselor and an Associate Principal is held. In cases in which dropping a course is approved, a grade of "WF" (Withdrawn/Fail) will be assigned to the course for the current and future grade reports up to and including the semester. The "WF" will appear on transcripts as a semester grade and will be considered in GPA calculation.

ADDING A COURSE

Students may add a class in place of a study hall during the first five days of a semester if:

- space is available
- the student's schedule does not need to be rearranged
- the change moves the student from a larger class to a smaller class with the same teacher

SPECIAL SCHEDULING OPTIONS

COURSE REVIEW (RETAKE)

Students may choose to review that course once for subject mastery. Because credit may not be duplicated the credit earned from the original course will be removed and not considered in GPA calculation. Please see your School Counselor for an **Educational Options Form** and more information.

COURSE FAILURES

If only a semester of a required full year course is successfully completed, only the failed semester will need to be repeated.

COURSE AUDIT

Students wishing to participate in a class but do not want the traditional grade or credit issued may choose to audit a class. Students auditing a course are expected to attend the class each day, complete all assignments, take exams and finals and participate in all class activities. Please see your School Counselor for an **Educational Options Form** and more information.

INDEPENDENT STUDY

When a student has a credit deficiency or a scheduling conflict that cannot be remedied in any other fashion, the student can propose an Independent Study project as an elective that applies toward graduation requirement. Students wishing to pursue an independent study project should speak with their School Counselor and complete the **Educational Options Form**, available in the Student Services Office. Independent Study Credit is limited to 0.50 per semester.

EXTERNAL CREDIT

CORRESPONDENCE COURSE CREDIT

Wilmot Union High School will accept credit for correspondence coursework from accredited programs. Correspondence courses may be used as credit recovery or in extreme cases to alleviate scheduling conflicts. Wilmot Union High will accept up to 1.00 credit for correspondence work completed per high school career. This credit will not be considered in GPA calculation. Students are responsible for all costs of the course, and for having an official transcript of grades sent from the program to Wilmot Union High School. See your School Counselor for more information.

TRANSFER CREDITS

All transfer credits must come from accredited institutions. A transcript must be supplied by the prior school and show final grades earned and credits earned. Grades and credits earned at other high schools will be placed on a Wilmot transcript however; these transfer grades will not be considered when calculating GPA and class rank.

SUMMER SCHOOL INFORMATION

6-WEEK SUMMER ENRICHMENT PROGRAM - The summer school courses will meet for the traditional six week summer school schedule. These courses will be made available to all students interested in pursuing credit acquisition. This program is designed for both incoming freshmen who want to get a jump start on their high school career and for current WUHS Students who may want to refresh their knowledge or recover credit in required coursework.

EDUCATIONAL PROBLEM SOLVING PROCESS

One of the most important lifetime skills that can be developed through participation is problem solving. Students should learn to embrace it as an educational opportunity.

The following steps should be followed in the order presented when trying to resolve a problem.

1. The student should speak with their parent/guardian regarding the problem. Discussion should focus on ways to resolve the problem. If the problem is not resolved, proceed to step #2.
2. The student should talk with the classroom teacher involved to resolve the problem. If the problem is not resolved, proceed to step #3.
3. The parent should contact the classroom teacher to arrange a parent, teacher, student conference. If the problem is not resolved, proceed to step #4.
4. The parent should contact the associate principal assigned to the student to arrange a teacher, parent, student administrator conference. If the problem is not resolved, proceed to step #5.
5. The parent should contact the building principal to arrange for a conference regarding the matter.

GRADING INFORMATION

GRADE POINT AVERAGE

The Grade Point Average (GPA) is used to describe a student's academic progress. GPA's are calculated after each grading period, however only the GPA at the end of each semester will appear on a student's transcript. The table below outlines the various GPA weights as they relate to our letter grades.

UNWEIGHTED GRADES

Unweighted grades are the most accurate reflection of earned academic progress. This number is reflective of the numeric value of an earned grade multiplied by the credit value of the course. All students earn an Unweighted GPA total that is shown on their transcript. Note: A Weighted GPA equal to the Unweighted GPA will be shown on the transcript if the student has not taken any courses that were assigned a weighted value.

WEIGHTED GRADES

This number reflects a grade earned in a very rigorous level of course work and is therefore granted additional grade points reflective of the challenge. As an example, Advanced Placement courses earn additional grade points due to the courses being universally accepted at colleges or universities across the country. All students taking courses that earn weighted grade points will see an Unweighted and a Weighted GPA on their transcript.

GRADE POINT AVERAGE			
GRADE	UNWEIGHTED	HONORS WEIGHTED	AP WEIGHTED
A	4.00	4.50	5.00
A-	3.67	4.17	4.67
B+	3.33	3.83	4.33
B	3.00	3.50	4.00
B-	2.67	3.17	3.67
C+	2.33	2.83	3.33
C	2.00	2.50	3.00
C-	1.67	2.17	2.67
D+	1.33	1.83	2.33
D	1.00	1.50	2.00
D-	0.67	1.17	1.67
F	0.00	0.00	0.00

LAUDE SYSTEM INFORMATION

The Laude System is an internal metric to determine outstanding scholarship among students. The Wilmot High School Administration began investigating the system in 2009 and requested the School Board change to the Laude System in 2012.

The Laude System allows WUHS to review its course catalog and determine those courses which are challenging and assign point values accordingly.

Our Laude point values can be found on the charts on the following two pages.

A student may determine his/her Laude Score in the following manner:

Unweighted GPA multiplied by the Total Laude Points Earned = Laude Score

**Students will receive ½ the listed point value of a yearlong course if they drop the course at the completion of the first semester.*

Upon completion of the student's seventh (7th) semester, the final Laude Score will be calculated for graduation status. Students earning a Laude Score may achieve one of the three earned academic honor categories:

Summa Cum Laude: With Highest Honor

- Scores of 60 or higher

Magna Cum Laude: With Great Honor

- Scores of 42 to 59.99

Cum Laude: With Honor

- Scores of 26 to 41.99

TRANSCRIPT INFORMATION

Transcript information regarding classes taken and grades earned will not be changed once it is entered on the student's transcript. Because credit may not be duplicated, in the cases of courses reviewed, credit (if earned) will be removed from the original course. The original grade will remain on the transcript but will not be reflected in GPA.

Any course that is paid for by Wilmot Union High School or is offered in the Wilmot Union High School Planning Guide will be counted toward credit and GPA. 7th and 8th grade students who earn credit in Algebra, Geometry, or Spanish at Wilmot Union High School or at their respective feeder school with transcripted Geometry, Algebra, and/or Spanish will receive GPA credit for those courses as long as state criteria is met. Additionally, State standards require that those students must still enroll in 2 more years of math while enrolled in high school.

COURSE LAUDE POINT INFORMATION

LAUDE FOR THE CLASSES OF 2022, 2023

Courses Granted 2 Laude PTS			
ART501	AP Stud Art and Design 2D	SOC503	AP Economics
ART504	AP 3-D Studio Art	SOC504	AP World History
BIT101	(T) Intro to Business	SOC505	AP Human Geog.
BIT121	(T) Comp/Profess	TAE107	PLTW (T) IED
BIT132	(T) Int Net/Web	TAE205	(T) Welding MIG/TIG
BIT201	(T) Market Prin	TAE207	PLTW (T) POE
BIT205	(T) Principles/ Hospitality	TAE208	(T) Welding/StickOXY
BIT206	(T) Intro Service	TAE300	PLTW (T) DE
BIT207	(T) Manage/Service	TAE403	(T) Auto Service
BIT232	(T) IT Essentials	TAE404	(T) Auto Electronic
BIT233	PLTW CSE	TAE405	PLTW (T) CEA
BIT301	(T) Market Prin 2	TAE406	PLTW (T) EDD
BIT303	(T)Bus. Mnge/Ent	Courses Granted 1 Laude PT	
BIT333	PLTW CSP	ENG103	Honor English I
BIT402	PLTW CSA	ENG203	Honor English II
ENG501	AP Lang/Comp	ENG504	The Contemporary Novel
ENG502	AP Lit/Comp	FCS204	(T) Child Development
		FCS205	(T)Health, Safety, Nutrition
FCS303	(T) Asst. Childcare Teaching	MTH203	Honor Geometry
FCS304	(T) Medical Terminology	MTH302	Honor Algebra 2
FCS403	(T) CCT:Pract I	MTH402	Honor Pre-Calculus
ITP102	(T) Intro to SpEd	MUS301	Honor Wind Ensemble
MTH313	(T) Technical Math	MUS305	Honor Vocal Ensemble
MTH501	AP Calculus AB	SCI103	Honor Biology
MTH502	AP Statistics	SCI206	Honor Chemistry
MTH503	AP Calculus BC	SCI306	Honor Physics
MUS501	AP Music Theory	TAE106	(T) Power Mechanics
SCI104	PLTW PBS		
SCI207	PLTW HBS		
SCI212	PLTW ES		
SCI308	PLTW MI		
SCI401	PLTW BI		
SCI501	AP Biology		
SCI502	AP Physics		
SCI503	AP Env. Science		
SCI506	AP Chemistry		
SOC313	(T) Int Human Development		
SOC501	AP US History		
SOC502	AP Psychology		

LAUDE FOR THE CLASS OF 2024 AND BEYOND

Courses Granted 2 Laude PT		Courses Granted 1 Laude PT	
ART501	AP Studio Art and Design 2D	BIT101	(T) Intro to Business
ART504	AP 3-D Studio Art	BIT121	(T) Comp/Profess
BIT132	(T) Int. Net/Web	BIT201	(T) Market Prin
BIT232	(T) IT Essentials	BIT205	(T) Prin Hospitality
BIT233	PLTW CSE	BIT206	(T) Intro/Service
BIT303	(T) Bus/Mngemt	BIT207	(T) Manage/Service
BIT333	PLTW CSP	BIT301	(T) Market Prin 2
BIT402	PLTW CSA	ENG103	Honors English I
ENG501	AP Lang/Comp	ENG203	Honors English II
ENG502	AP Lit/Comp	ENG504	The Contemporary Novel
FCS403	(T) CCT: Pract I	FCS204	(T) Child Development
MTH313	(T) Technical Math	FCS205	(T) Health, Safety, Nutrition
MTH501	AP Calculus AB	FCS303	(T) ACCT:FECE
MTH502	AP Statistics	FCS304	(T) Medical Term
MTH503	AP Calculus BC	ITP102	(T)Intro SpEd
MUS501	AP Music Theory	MTH203	Honors Geometry
SCI104	PLTW PBS	MTH302	Honors Algebra 2
SCI207	PLTW HBS	MTH402	Honors Pre-Calculus
SCI212	PLTW ES	MUS301	Honors Wind Ens.
SCI308	PLTW MI	MUS305	Honors Vocal Ens.
SCI401	PLTW BI	SCI103	Honors Biology
SCI501	AP Biology	SCI206	Honors Chemistry
SCI502	AP Physics	SCI306	Honors Physics
SCI503	AP Env. Science	SOC313	(T) Intro Human Dev
SCI506	AP Chemistry	TAE106	(T) Power Mechanics
SOC501	AP US History	TAE205	(T) Weld/MIG/TIG
SOC502	AP Psychology	TAE208	(T) Weld Stick/OX
SOC503	AP Economics	TAE403	(T) Auto Service
SOC504	AP World History	TAE404	(T) Auto Elect
SOC505	AP Human Geog.	WDL401	Spanish IV
TAE107	PLTW (T) IED	WDL402	German IV
TAE207	PLTW (T) POE	WDL500	Spanish V
TAE300	PLTW (T) DE		
TAE405	PLTW (T) CEA		
TAE406	PLTW (T) EDD		

CLASS RANK

WUHS does not utilize class rank except to determine the top three students for the Wisconsin Academic Excellence Scholarship, using a weighted cumulative GPA at the completion of the 7th semester.

The Southern Lakes Conference Top 10 is based on the highest laude scores at the completion of the 7th semester.

Grades and credits for the following courses are recorded on a student's transcript; however, they are not included in the GPA calculation or class rank:

Grades earned at other academic institutions

Grades earned through Correspondence Courses

Grades earned prior to 9th grade unless earned at Wilmot Union High School or through an articulated agreement.

HONOR ROLL

Honor Roll is calculated using the student's unweighted GPA at the end of each semester. Students receiving an "I" (Incomplete) are not eligible for the honor roll. Students must be full-time and on track to graduate with their class in order to qualify for Honor Roll recognition.

High Honor Roll includes all full-time students with a GPA at or above 3.6

Honor Roll includes all full-time students with a GPA of 3.25 to 3.59



Advanced Placement Course Information - What is Advanced Placement?

The Advanced Placement Program (AP) is a cooperative educational endeavor between high schools and colleges or universities. It allows students to enroll in college-level courses while in high school, and gives them the opportunity to show mastery by taking an AP exam. Additional work outside of the traditional school year will be required for many AP courses.

AP Parent Meeting

An informational meeting will be scheduled in conjunction with the Panther Expo for parents of students who are interested in or have requested AP courses.

AP Exams

AP Exams are given during the second and third week of May. Every student takes the same exam at the same time. Students are not required to take the AP exam.

Benefits of AP Courses

The benefits of AP courses are multifaceted. They begin with helping the student adjust to the rigors of college/university courses; the pace, the amount of work and time involved, and the high expectations of the instructors. They continue with rigorous, challenging course work and successful completion (passing the AP exam) culminates with the student receiving credit, advanced placement or both at most colleges and universities. Students are also able to enroll in a higher level course at college as freshmen. This not only translates into time saved, but also a financial savings for each credit earned while in high school. The amount of credit received varies, depending on the college/university, the AP score and the subject. As a result, all students planning to apply and enroll in a University are strongly encouraged to take at least one AP course in their Junior and Senior year.

Cost of AP Exams

The cost is roughly \$93.00 per exam. Wilmot Union High School district will cover the cost of these exams for each student enrolled in AP courses to further encourage our students to stretch themselves by taking rigorous coursework without fear of cost.

Advanced Placement Courses Offered at Wilmot Union High School

- AP Art History
- AP Studio Art and Design 2D
- AP Junior Language and Composition
- AP Senior Literature and Composition
- AP Biology
- AP Chemistry
- AP Calculus AB
- AP Calculus BC
- AP Physics
- AP Statistics
- AP Economics
- AP U.S. History
- AP Psychology
- AP World History
- AP Environmental Science
- AP Human Geography
- AP Music Theory

All students planning to apply and enroll in a University are strongly encouraged to take at least one AP course in their Junior and Senior year. AP courses promote rigor, challenging course work and college readiness.

HONORS LEVEL COURSE INFORMATION

HONORS LEVEL COURSES - WHAT IS AN HONORS LEVEL COURSE?

Honors Courses are offered by the English, Mathematics, Science and Fine Arts Departments. An Honors Course is a course that is more academically rigorous in content. The course descriptions for each Honors Course includes a summary of the content and expectations along with predictors for success. Students and their parents should review this information carefully to see if there is a match between the demands of the course and the students' interests and abilities.

HONORS COURSES OFFERED AT WILMOT UNION HIGH SCHOOL

- **Honors Algebra 2**
- **Honors Geometry**
- **Honors Pre-Calculus**
- **Honors Physics**
- **Honors Biology**
- **Honors Chemistry**
- **Honors English I**
- **Honors English II**
- **Honors Wind Ensemble**
- **Honors Vocal Ensemble**



Empower Tomorrow's Biomedical Science Professionals Today

Whether discovering new cancer treatments or teaching healthy lifestyle choices to their communities, today's biomedical science professionals are tackling big challenges to make the world a better place. PLTW Biomedical Science students are taking on these same real-world challenges – and they're doing it before they even graduate from high school. Working with the same tools used by professionals in hospitals and labs, students engage in compelling, hands-on activities and work together to find solutions to problems. Students take from the courses in-demand knowledge and skills they will use in high school and for the rest of their lives, on any career path they take.

PLTW Biomedical Science courses are part of the **AP + PLTW biomedical science pathway**.

Building a Strong Foundation for College and Career

By immersing students in activities like practicing suturing and constructing body structures from clay, PLTW Biomedical Science empowers students to build knowledge and skills in biomedical science, as well as in-demand, transportable skills like problem solving, critical and creative thinking, communication, and collaboration.

PLTW Engineering Students Become Tomorrow's Problem Solvers Today

From launching space explorations to delivering safe, clean water to communities, engineers find solutions to pressing problems and turn their ideas into reality. PLTW Engineering empowers students to step into the role of an engineer, adopt a problem-solving mindset, and make the leap from dreamers to doers. The program's courses engage students in compelling, real-world challenges that help them become better collaborators and thinkers. Students take from the courses in-demand knowledge and skills they will use in high school and for the rest of their lives, on any career path they take.

*PLTW Engineering courses are part of the **AP + PLTW engineering pathway**.*

Building a Strong Foundation for College and Career

Each PLTW Engineering course engages students in interdisciplinary activities like working with a client to design a home, programming electronic devices or robotic arms, or exploring algae as a biofuel source. These activities not only build knowledge and skills in engineering, but also empower students to develop essential skills such as problem solving, critical and creative thinking, communication, collaboration, and perseverance.

Bringing Computer Science to Life

At a time when computer science affects how we work and live, PLTW Computer Science empowers students in grades 9-12 to become creators, instead of merely consumers, of the technology all around them. The program's interdisciplinary courses engage students in compelling, real-world challenges. As students work together to design solutions, they learn computational thinking – not just how to code – and become better thinkers and communicators. Students take from the courses in-demand knowledge and skills they will use in high school and for the rest of their lives, on any career path they take.

BUILDING A STRONG FOUNDATION FOR COLLEGE AND CAREER

Whether building apps to meet client needs or exploring cybersecurity, PLTW Computer Science engages students in interdisciplinary activities that not only build knowledge and skills in computer science, but also empower students to develop essential skills such as problem solving, critical and creative thinking, communication,

collaboration, and perseverance. The program's courses empowers students with in-demand knowledge and skills they will use in high school and for the rest of their lives, on any career path they choose.

PLTW COURSES OFFERED AT WILMOT UNION HIGH SCHOOL

- **ICS – Intro To Computer Science**
- **CSP – Computer Science**
- **PBS – Principles of Biomedical Science**
- **HBS – Human Body Systems**
- **ES – Engineering Essentials**
- **CEA – Civil Engineering and Architecture**
- **EDD – Engineering Design and Development**

WORK BASED LEARNING OPTIONS

Wilmot Union High School students have many opportunities to learn about the world of work. In fact, the majority of high school students work sometime during their high school years. Students who participate in school-supervised work-based learning have additional opportunities to learn employability skills and, with many programs, occupational-skills related to their high school courses. School-supervised work-based learning reinforces the connection between work and school, provides a chance for meaningful contact with adults/mentors, improves their chances for successful employment as young adults, and helps solidify career interests.

For more information, contact the School-to-Career Coordinator, Tracy Strother at (262) 862-2351 ext. 348.

Program Requirements:

- Academic Good Standing
- 90% Attendance the Semester prior to application
- Junior (11th) or Senior (12th)
- No Article I Code of Conduct Violations
- Completed Application
- Recommendations from four people, at least one must be outside of school

Characteristics	Work Experience Employability Skills Certificate Program			
	Youth Apprenticeship	State Certified Co-op	National Certification	
Paid/Unpaid	Paid Work Experience	Paid Work Experience	Paid Work Experience	Paid Work Experience
Related Classroom Instruction	State Required Competencies	State Required Competencies	National Required Competencies	State Required Employability Skills Local Competencies
Supervision	Youth Apprenticeship Coordinator	Vocationally Certified Teacher	Vocationally Certified Teacher	Vocationally Certified Teacher
Certificate	Yes	Yes	Yes	Yes
High School Credit	Yes	Yes	Yes	Yes
Post-Secondary Credit	Possible	Possible	Possible	Possible
Required Number of Work Hours	450/900	480	400	480
Administered by	Dept. of Workforce Development	Dept. of Public Instruction	National Restaurant Association Foundation	Dept. of Public Instruction Local School District
Typical Time to Complete	1 or 2 years (11 th and/or 12 th grade)	1 year (11 th or 12 th grade)	2 years (11 th and 12 th grade)	1 or 2 years (11 th and/or 12 th grade)
Content Areas	-Financial -Health Services -Hospitality, Lodging and Tourism -Drafting & Design: Engineering Mechanical -Manufacturing: Machining Welding -Auto Technician	-Marketing -Entrepreneurship -Retail Marketing -Professional Selling -Child Services <i>(Seniors Only)</i>	-ProStart Culinary	Must be enrolled in Business Seminar

WORK BASED LEARNING COURSES OFFERED THROUGH WUHS

COURSE	FRESHMEN	SOPHOMORE	JUNIOR	SENIOR
ProStart Culinary			E	E
Asst. Childcare Teacher			E	E
Child Services Coop				E
Business Seminar Business Work Experience Class			E	E
Nursing Asst. / Health Services YA			E	E
E = The year a student is eligible to enroll in the course				

EARLY COLLEGE CREDIT (ECCP) and START COLLEGE NOW (SCN) PROGRAMS

The ECCP and SCN programs allows all public high school juniors and seniors who meet certain requirements to take post-secondary courses at a UW institution, a Wisconsin technical college or one of the state private, nonprofit institutions of higher education. Per DPI guidelines PI 40.07(2), Wis. Admin. Code, one semester credit offered by a postsecondary course is equivalent to ¼ high school credit. The program opens the door to greater learning opportunities for students who are considering a technical career, students wishing to begin college early, or students who want to prepare to enter the workforce immediately after high school graduation. **Please see your School Counselor for information regarding this option and pick up an enrollment packet that will guide you through the application process.** All information must be returned to your School Counselor by the following dates:

SCHOOL YEAR	SEMESTER	WUHS EARLY REGISTRATION DEADLINE DATE	STATE FINAL REGISTRATION DEADLINE DATE
Next Academic Year	First	February 15	March 1
Current Academic Year	Second	September 15	October 1

WORK BASED LEARNING COURSE DESCRIPTIONS

Business Work Experience

Co-requisites Business Seminar
Credit: Up to 2.0 Credits for working in a business setting
Grades: 11-12

Students will learn about careers, business practices, and how to conduct themselves in a professional and ethical manner. This program also combines in-school instruction with paid employment in an area business. Early release time is available. Students must achieve an Apprenticeship Certificate from the Department of Workforce Development, State Certified Co-op or Skills/Employability Certificate (21st Century Skills) from DPI in Madison or National Certification by completing this program to achieve work experience credit. One credit is obtained from the classroom experience and an additional 1.0 credit each semester may be obtained from work experience (credits are determined by the amount of hours worked – 240 hours per semester).

Business Work Experience-Year 2

Prerequisite: Business Seminar
Credit: 1.0 Credit per semester for working in a business
Grades: 12

Early release time is available. Students must achieve an Apprenticeship Certificate from the Department of Workforce Development, State Certified Co-op or Skills/Employability Certificate (21st Century Skills) from DPI in Madison or National Certification by completing this program to achieve credit. One credit each semester may be obtained from work experience (credits are determined by the amount of hours worked – 240 hours per semester).

Certified Nursing Assistant (C.N.A.) / Health Services Apprenticeship

Prerequisite: A Start College Now Application by March 1st
Credit: 0.75 for Gateway Technical College course plus up to an additional
 1.0 Credit for working in a C.N.A. job
Grades: 11-12

This course is an introduction to nursing concepts. Content includes the nursing process as it relates to clients' needs such as safety, asepsis and comfort. Theory is reinforced with concurrent simulated practice in lab and clinical health care setting. Students will be taught during the week at Gateway Technical College with a clinical site in a local nursing home. Students are responsible for their own transportation. If students work as a C.N.A. 1.0 additional credits can be obtained for work experience per semester if a student works 225 hours.

Assistant Child Care Teacher

Prerequisite: Child Development, 17 years of age
Credit: 0.50
Grades: 11-12

Students will learn the skills needed to earn an assistant child care certification from the state of Wisconsin. They will plan and conduct educational experiences for preschool children. Throughout the semester, students are required to spend 12 hours in a child care center working with children.

Child Services Coop

Prerequisite: ACCT & 17 years
Credits: 2.00
Grades: 12
Course Length 1 Year

The Child Services Coop is a program for seniors who are at least 17 years of age and who have adequately completed the Assistant Child Care Teacher (ACCT) Certification course. Students will earn a Child Care Teacher (CCT) certificate from the state of Wisconsin. Some competency areas covered in the course include: interpersonal skills, development of children, and introduction to child care services, food, nutrition, health and safety among other needs of children. Students who satisfactorily complete the program and graduate from high school also qualify to receive the second-level Department of Health and Family Services (DHFS) employment description as a Child Care teacher. Throughout the year students are required to work 240 hours/semester in a Child Care/School setting and meet the attendance requirements.

DUAL CREDIT COURSES

Dual credit courses offer students the opportunity to earn both high school and college credit. Please see individual course descriptions for more information.

Transcribed Courses College Credit may be available in partnership with Gateway Technical College	P.I.E. (Partners in Education) Courses College Credit may be available in partnership with UW-Whitewater
BIT101 – Intro to Business	ENG504 – The Contemporary Novel
BIT121 – Computers for Professionals	ITP102 – Intro to Special Education
BIT132 – Intro to Networking	SOC313 – Intro to Human Development
BIT201 – Marketing Principles	
BIT205 – Principles of Hospitality	
BIT206 – Introduction to Service	
BIT207 – Managing Service/Hospitality Industry	
BIT232 – IT Essentials	
BIT301 – Marketing Principles 2	
BIT303 – Business Management/Entrepreneurship	
FCS204 – Child Development	
FCS205 – Health, Safety, and Nutrition	
FCS303-Asst. Childcare Teaching	
FCS304 – Medical Terminology	
FCS403 – CCT:Pract. I	
MTH313 – Technical Math	
TAE106 – Power Mechanics	
TAE107 – PLTW IED	
TAE202- Drafting II/AutoCAD	
TAE205 – Welding MIG/TIG	
TAE207 – PLTW POE	
TAE208 – Welding/Stick OXY	
TAE300 – PLTW DE	
TAE403 – Auto Service	
TAE404 – Auto Electronic	
TAE405 – PLTW CEA	
TAE406 – PLTW EDD	

PANTHER EDUCATIONAL ASSISTANTS PROGRAMS

The Panther Educational Assistants Programs are designed to offer juniors and seniors an opportunity to work closely with Faculty members, students, and other Wilmot Union High School personnel. Students participating in any of the programs are limited to participation in only one period of their school day and must be in addition to their 6th class. Also, in order to be eligible a student must do the following:

- Students must be on course to graduate with their graduating class
- Students must have 11 credits after their Sophomore year or 17 credits after their Junior year
- Students who fail any class at the end of the first, second, or third quarter, during the present school year, will be reviewed and possibly removed, from the Panther Educational Assistants Program
- Students must have passed all classes the previous semester.
- Students enrolled in the Panther Educational Assistance Program cannot have had any trancies, assigned to the STEP Room, or out of school suspensions during their present or previous semester
- All Panther Educational Assistants Program applications must be turned in within the first ten (10) days of each semester

PEER TUTOR

Students can receive a $\frac{1}{4}$ credit per semester for tutoring within an academic department. Students who enroll in this program must display through previous coursework and/or via the teacher recommendation process that they will be able to work closely with students or small groups of students who need academic assistance. Department Tutors are assigned to a particular section and teacher to assist students within the course who need academic assistance. Students can be assigned, as Department Tutors, in lieu of a study hall.

OFFICE ASSISTANT

Students can receive a $\frac{1}{4}$ credit per semester for serving as an office assistant in the Student Services Office. Possible duties may include: office runners, filing, sorting, etc. Enrollment into this program requires Teacher/Supervisor recommendation. Students can be assigned, as Office Assistants, in lieu of a study hall.

TEACHER ASSISTANT

Students can receive a $\frac{1}{4}$ credit per semester as a teacher assistant. This program is designed for but, not limited to the following departments: P.E., Tech. and Engineering, Family and Consumer Education, Band, School Store (The Paw), or another lab based class. Teachers who utilize Teacher Assistants must identify exact duties students will fulfill daily. Teacher Assistants will assist in setting up, cleaning up, and provide assistance in the efficiency of a class or lab. Students can be assigned, as a Teacher Assistant, in lieu of a study hall.

RELEASE OF STUDENT INFORMATION

Wilmot Union High School recognizes the following directory information, which may be released to individuals or organizations making legitimate requests, including military recruiters and institutes of higher education, unless a parent requests that such information not be released. Any parents who wish such information not be made public should complete an opt-out form and return it to the high school office:

- Student's Name
- Student's Address
- Parent or Guardian Name
- Parent or Guardian Address
- Parent Telephone Number
- Date of Birth
- Student's Gender
- Grade Level
- Dates of Attendance
- Honors and Awards Received
- Participation in School-Sponsored Activities, Organizations and Sports
- Previous School Attended
- Yearbook or ID Photo

STUDENT RECORD PRIVACY ACT

The Family Education Rights and Privacy Act (FERPA) of 1974 required that prior consent must be obtained from a parent or legal guardian of a pupil before any information may be disclosed by Wilmot Union High School to third parties. Exemptions to FERPA include:

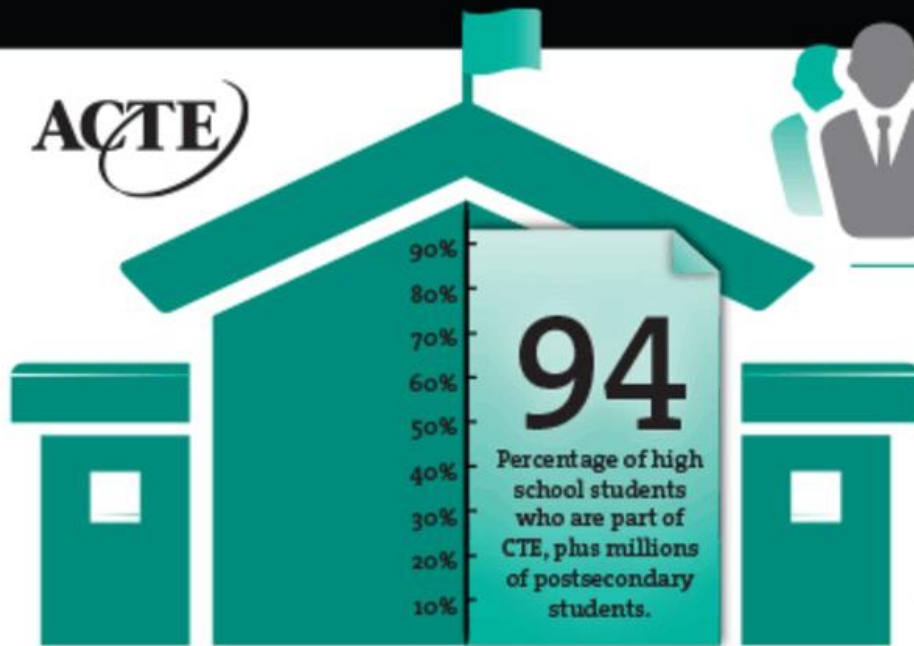
- Requests from Wilmot Union High School faculty and staff with a legitimate need to know
- Requests in accordance with a lawful subpoena or court order
- Requests from officials of another school to which the student applied.
- Requests from persons or agencies specifically exempted by the Act.
- Requests for directory information described above

What is Career and Technical Education?

ACTE



Fulfills employer needs that are **High** skill wage demand



Includes high schools, career centers, community and technical colleges, four-year universities and more.



Integrates with academics in a rigorous and relevant curriculum.



Features high school and postsecondary **partnerships**, enabling clear **pathways** to certifications and degrees.



Prepares students to be college- and career-ready by providing **core academic skills**, **employability skills** and **technical, job-specific skills**.



Educates students for a range of career options through 16 Career Clusters® and 79+ pathways.

Association for Career and Technical Education
1410 King Street
Alexandria, VA 22314
Toll-free: 800-826-9972
www.acteonline.org
Connecting Education and Careers



College & Career Pathways

Wilmot Union High School's core purpose is to ensure our students are college, career, and civic ready.

ACADEMIC & CAREER PLANNING (ACP)

Academic and Career Planning, or ACP, is intended to equip students and their families with the tools necessary to make more informed choices about postsecondary education and training as it leads to careers. It is a student-driven, adult-supported process of self-exploration, career exploration, and the development of career management and planning skills which cultivate an informed plan for post-secondary success.

The term ACP refers to a process, activities and a product that is created for students' academic, career, and personal advancement.

WORK-BASED LEARNING OPTIONS

YOUTH APPRENTICESHIP: Wisconsin's Youth Apprenticeship program and Career Coops are part of a statewide school-to-work initiative. Each is designed for high school students who want hands-on learning in a specific occupational area at a worksite to supplement classroom instruction based on industry-developed skill standards. To prepare for a youth apprenticeship or coop, students may also explore careers through job shadows and internships.

SCHOOL-BASED ENTERPRISE OPTIONS

A school-based enterprise (SBE) is an entrepreneurial operation in a school setting that provides goods or services and are managed and operated by students as hands-on learning laboratories.

SBEs provide practical learning experiences that also reinforce classroom instruction. Examples include:

- *The Paw* school store
- *Starbooks* coffee shop located in the library
- *Paw Prints* print shop
- *PantherCrombe*, gently used retail.

INDUSTRY RECOGNIZED CREDENTIALS

An industry certification places you ahead in your field, and serves as a recognition of your personal skills and dedication to learning. Select courses support preparation for students to test for and earn relevant industry certifications. Examples of industry partnerships include: Snap-On, CISCO Systems, Adobe, Microsoft and the A.S.K. Business Institute.



STUDENT ORGANIZATIONS

A career and technical student organization (CTSO) is an extracurricular group for students in CTE pathways to further their knowledge and skills by participating in activities, events, and competitions.

- | | | |
|------------------|---------------------|----------|
| SkillsUSA | HOSA | DECA |
| Educators Rising | Yearbook | Art Club |
| Culinary Club | Panther Productions | |

CHOOSING A PATHWAY TO SUCCESS

CAREER CLUSTER

Career Clusters are broad occupational groupings that serve as an organizing tool, categorizing common knowledge and skill sets for secondary and post-secondary education. Career Clusters use 16 broad groups of occupations and 79 pathways (sub-groups). As a tool, Career Clusters will blend rigorous academic/technical preparation by offering options for students to experience multiple aspects of a business or industry.

A **Career Pathway** is a coherent, articulated sequence of rigorous academic and career related courses (the Program of Study), commencing in ninth grade and leading to an associate degree, and/or an industry-recognized certificate or licensure, and/or a baccalaureate and beyond.



Health Science

College & Career Pathways



PROGRAM OF STUDY

HEALTH CARE SERVICES

Recommended Courses

HLT201 – Health Occupations
FCS304 – Medical Terminology
SCI104 – Principles of Biomedical Sciences*
SCI207 – Human Body Systems*
SCI308 – Medical Interventions*

*Dual Credit Opportunities

* *Project Lead The Way (PLTW) courses accepted at most UW schools and the Milwaukee School of Engineering.*

Other Suggested Course Options:

In addition to the specific sequences listed above, students interested in these fields should also consider: SCI501 – AP Biology, SCI502 – AP Physics, SCI506 - AP Chemistry, SOC502 – AP Psychology

Local College Connections

GTC, UW-Madison, UW-Whitewater, UW-Milwaukee, UW-Parkside, Carthage College, Marquette University, Alverno, Wisconsin Lutheran College

BIOMEDICAL SCIENCES

Recommended Courses

SCI104 – Principles of Biomedical Sciences *
SCI207 – Human Body Systems*
SCI308 – Medical Interventions*
SCI401 –Biomedical Innovations*

INDUSTRY RECOGNIZED CREDENTIALS

Certified Nursing Assistant (CNA):

Gain real-world experience in a variety of settings with 72 hours of classroom and lab work and 48 hours of hands-on patient experience in a health care clinical setting.

After completing this 120-hour course, qualify to take the State of Wisconsin's licensure exam to become a Certified Nursing Assistant (CNA).

WORK-BASED LEARNING OPTIONS

HEALTH CARE or BIOMED: Talk with counselors about job shadow, internship or apprenticeship opportunities.

The Medical College of Wisconsin offers two summer enrichment programs for high school students who are selected through an application process:

- Apprenticeship in Medicine (AIM)
- Research Opportunity for Academic Development in Science (ROADS)

CAREER CONNECTIONS

nursing, physician's assistant or physical therapy, biomedical engineer, medical researcher, doctor, geriatrics, pediatrics, home health aide, acute care assistant.

FUTURE HEALTH PROFESSIONALS

STUDENT ORGANIZATION



HOSA – Future Health Professionals, formerly known as Health Occupations Students of America, is an international career and technical student organization endorsed by the U.S. Department of Education and the Health Science Technology Education Division of ACTE.

<http://www.hosa.org/about>



Business, Marketing & IT

College & Career Pathways



PROGRAMS OF STUDY

BUSINESS

Recommended Courses

- BIT101 – Introduction to Business*
- BIT121 – Computers for Professionals*
- BIT203 – Business Law
- BIT204 – Leadership & Development
- BIT220 – Business Communication
- BIT304 – Professional Seminar/
Business Work Experience
- BIT401 – Financial Literacy

ACCOUNTING

Recommended Courses

- BIT101 – Introduction to Business*
- BIT202 – Small Business Accounting I
- BIT226 – Small Business Accounting II
- BIT302 – Advanced Accounting

*Dual Credit Opportunities

Gateway Technical College

- GTC (102-137) – Intro to Business
- GTC (103-143) – Computers for Professionals

Local College Connections

GTC, UW-Madison, UW-Whitewater, UW-Parkside, UW-Milwaukee, Cardinal Stritch, Carthage College, Concordia University, Alverno College, Marquette University

INFORMATION TECHNOLOGY

Recommended Courses

- BIT121 – Computers for Professionals*
- BIT232 – IT Essentials
- BIT233 – Computer Science Essentials*
- BIT333 – Computer Science Principles*
- BIT402 – Computer Science A*

*Dual Credit Opportunities

Gateway Technical College

- GTC (103-143) – Computers for Professionals

* PLTW courses accepted at most UW schools and MSOE

MARKETING

Sequence of Courses

- BIT201 – Marketing Principles 1*
- BIT301 – Marketing Principles 2*
- BIT303 – Business Management & Entrepreneurship*

*Dual Credit Opportunities

Gateway Technical College

- GTC (104-101) – Principles of Marketing
- GTC (104-105) – Promotion Principles
- GTC (104-127) – Retailing Principles

INDUSTRY RECOGNIZED CREDENTIALS

BUSINESS and MARKETING: Students have the opportunity to earn credentials from the A*S*K Business Institute, which provides certifications in the areas of: fundamental business concepts, marketing, finance and entrepreneurship.

INFORMATION TECHNOLOGY: The Wilmot Union High School *IT-Essentials* class is based on curriculum designed by CISCO Systems. Students can earn recognition from CISCO for completing the course, and prepare for the CompTIA A+ certification.

WORK-BASED LEARNING OPTIONS

SCHOOL-BASED ENTERPRISES: *The Paw* is a school-based enterprise that is run by students in the Business, Management, & Entrepreneurship course.

YOUTH APPRENTICESHIP: Wisconsin's Youth Apprenticeship program is a one or two-year program with paid work experience and related classroom instruction based on industry-developed skill standards.

CAREER CONNECTIONS

business manager, sales associate, entrepreneur, marketing specialist, sales and distribution manager, accountant, financial manager, computer software programmer, IT professional, actuary, human resources, social media manager

DECA & SkillsUSA

STUDENT ORGANIZATIONS



DECA prepares emerging leaders and entrepreneurs to be college and career ready in the areas of marketing, finance, hospitality and business management.

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

SkillsUSA ensures America has a skilled work force.

It helps each student prepare for careers in trade, technical and service occupations.

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





PROGRAMS OF STUDY

FINE ART

Recommended Courses

ART102 – Art I
ART201 – Art II
ART301 – Drawing and Painting
ART304 – Portfolio I
ART401 – Advanced Drawing and Painting
ART403 – Portfolio II
ART501 – AP Studio Art

3-D ART

Recommended Courses

ART102 – Art I
ART203 – Beginning Ceramics
ART303 – Ceramics II
ART304 – Portfolio I
ART305 – Sculpture and Jewelry
ART403 – Portfolio II
ART504 – AP 3-D Studio Art

COMPUTER GRAPHICS

Recommended Courses

ART202 – Computer Graphics
ART302 – Advanced Computer Graphics
ART304 – Portfolio I
ART403 – Portfolio II
ART501 – AP Studio Art

Local College Connections

GTC, UW-Madison, UW-Whitewater, UW-Milwaukee, UW-Parkside, Carthage College, Marquette University

CAREER CONNECTIONS

Art education, graphic designer, animation, mural painter, sculpture, printing, technical illustrator.

INDUSTRY RECOGNIZED CREDENTIALS

ADOBE CERTIFIED ASSOCIATE (ACA): Adobe realized how important it is to provide an entry level certification for digital art and web design students who are just learning their products. Instead of focusing on advanced techniques and customization, the associate level exams cover foundation theory and key user interface elements. See the Art Department Head, the Career Technology Education Coordinator or your counselor for information on the most current certifications.

<https://learning.adobe.com/certification.html>

WORK-BASED LEARNING OPTIONS

PAW PRINTS: This school-based enterprise provides students with experience in graphic design, digital printing and production of printed products to help advertise school events or organizations, including: advertising specialties, signs, banners & adhesive graphics.

ART CLUB – PAW PRINTS – YEARBOOK – SKILLS USA

STUDENT ORGANIZATIONS & SCHOOL-BASED ENTERPRISE OPTIONS

Arts education equips students with creative, problem-solving abilities while building collaboration and communication skills to develop leadership capacity. Each of these student organizations provide an opportunity to incorporate these skills into Career and Technical Education knowledge as well — through hands-on experience in the graphic design and communication industries.

The *Yearbook* is a club that meets after school to publish a visual and written history of Wilmot Union High School for the year. Students design pages, take pictures, and write the copy.

SkillsUSA is a partnership of students, teachers and industry representatives, working together to ensure America has a skilled work force. It helps students who are preparing for careers in trade, technical and skilled service occupations.





PROGRAMS OF STUDY

EARLY CHILDHOOD

Recommended Courses

FCS204 – Child Development

FCS303 – Assistant Child Care Teacher/Foundations of Early Childhood*

FCS403 – CCT Co-op (Child Care Teacher)/Practicum I *

*Dual Credit Opportunities

Gateway Technical College

GTC (307-174) – ECE Introductory Practicum

GTC (307- 148) Foundations of Early Childhood Ed

Local College Connections

Gateway Technical College, UW-Madison, UW-Whitewater, UW-Parkside, UW-Milwaukee, Cardinal Stritch, Carthage College, Concordia University, Marquette University, Alverno College, Wisconsin Lutheran College.

INDUCTION TO TEACHING

Recommended Courses

SOC313 – Introduction to Human Development*

– or SOC306 – Psychology

– or SOC 502 AP Psychology

ITP102 – Introduction to Special Education*

ITP104 – Current Trends and Issues in Education

ITP103 – Teaching Practicum and Effective Teaching Practices

*Dual Credit Opportunities

UW-Whitewater – Partners In Education (PIE).

UWW (EDFOUND 230) – Introduction to Human Development

UWW (SPEC ED 205) – Introduction to Special Education.

INDUSTRY RECOGNIZED CREDENTIALS

EARLY CHILDHOOD: The Child Care Services Coop is a skill certificate program for seniors who are at least 17 years of age and who have adequately completed the Assistant Child Care Teacher (ACCT) Certification course during their junior year. Students will earn a Child Care Teacher (CCT), IT (Infant-Toddler) & Core Employability Skills Certifications from the state of Wisconsin.

Students who satisfactorily complete the program and graduate from high school also qualify to receive the second-level Department of Health and Family Services (DHFS) employment description as a Child Care Teacher.

WORK-BASED LEARNING OPTIONS

EARLY CHILDHOOD: Child Care Services Coop with local child care centers.

INDUCTION TO TEACHING: Teaching Practicum with local K-8 school districts.

CAREER CONNECTIONS

preschool teacher, teacher in elementary/ middle/high school, para-professional educator, sports coach, health educator.

EDUCATORS RISING STUDENT ORGANIZATION



As a Career and Technical Student Organization (CTSO), *Educators Rising* offers resources and opportunities that integrate directly into the academic programs of “teacher academy” career and technical education courses at the high school level. By joining *Educators Rising*, you can set yourself on the path to becoming that innovative, skilled, life-changing teacher. www.educatorsrising.org/





PROGRAMS OF STUDY

ENGINEERING

Recommended Courses

TAE107 – Introduction to Engineering Design (PLTW)*
TAE207 – Principles of Engineering (PLTW)*
TAE300 – Digital Electronics (PLTW)*
TAE405 – Civil Engineering & Architecture (PLTW)*
TAE406 – Engineering Design & Development (PLTW)*

*Dual Credit Opportunities

*Gateway Technical College

GTC (606-139) – AutoCAD Inventor
GTC (606-149) – Introduction to Mechanical Engineering & Technology
GTC (605-183) – Future Trends in Electronics
GTC (607-103) – Introduction to Civil Engineering Technology

MANUFACTURING

Recommended Courses

TAE101 – Woodworking I
TAE103 – Drafting I / AutoCAD
TAE105 – General Metals
TAE206 – Machining & Fabrication
TAE304 – Advanced Metals

WELDING

Recommended Courses

TAE105 – General Metals
TAE205 – Welding: MIG/TIG*
TAE208 – Welding: Stick/Oxy Fuel*

*Dual Credit Opportunities

Gateway Technical College

GTC (442-101) – Welding Basics
GTC (442-102) – Intro to Welding

TRANSPORTATION & AUTOMOTIVE

Recommended Courses

TAE106 – Power Mechanics
TAE403 – Automotive Service Fundamentals
TAE404 – Automotive Electrical & Electronic Systems

*Dual Credit Opportunities

Gateway Technical College

GTC (461-300) – Four-cycle engines
GTC (602-107) – Automotive Service Fundamentals
GTC (602-125) – Electrical & Electric Systems I

INDUSTRY RECOGNIZED CREDENTIALS

AUTOMOTIVE: Automotive Service Excellence (ASE)-National Automotive Technicians Education Foundation (NATEF).

Snap-on Multimeter Certification

WORK-BASED LEARNING OPTIONS

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 a specific occupational area at a worksite to supplement classroom instruction. It is a one or two-year program with paid work experience and related classroom instruction based on industry-developed skill standards.

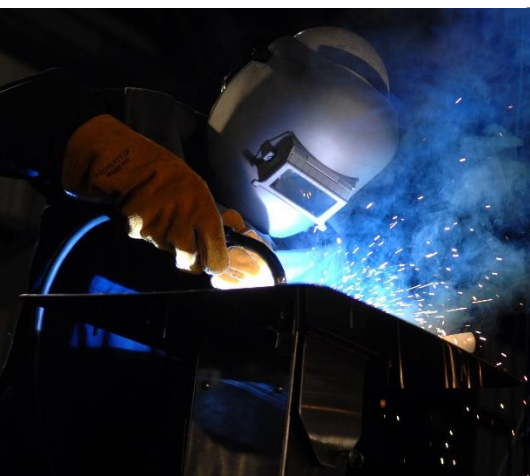
CAREER CONNECTIONS

carpenter, construction manager, civil engineers, cabinet maker, architect, interior designer, autocad designer.

Local College Connections

Gateway Technical College, UW-Madison, UW-Platteville, UW-Milwaukee, UW-Stout, Carthage College, Marquette University, Milwaukee School of Engineering, Milwaukee Area Technical College

* Project Lead The Way (PLTW) courses accepted at most UW schools and the Milwaukee School of Engineering



SkillsUSA

STUDENT ORGANIZATIONS

SkillsUSA is a partnership of students, teachers and industry representatives, working together to ensure America has a skilled work force. It helps each student excel. SkillsUSA is a national nonprofit organization serving teachers and high school and college students who are preparing for careers in trade, technical and skilled service occupations.

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





PROGRAMS OF STUDY

CABINETS & FURNITURE MAKING

Recommended Courses

TAE101 – Woodworking I
TAE204 – Woodworking II
TAE303 – Cabinet/Furniture Design & Construction
TAE401 – Advanced Cabinet/Furniture Design & Construction*

ARCHITECTURE & DESIGN

Recommended Courses

TAE107 – Introduction to Engineering Design (PLTW)
TAE302 – Architectural Drafting & Design
TAE306 – Building Construction I
TAE405 – Civil Engineering & Architecture (PLTW)
ART404 – Visual Literacy and Technology

*Dual Credit Opportunities

*Gateway Technical College

GTC (606-139) – AutoCAD Inventor
GTC (606-149) – Introduction to Mechanical Engineering & Technology
GTC (607-103) – Introduction to Civil Engineering Technology

CONSTRUCTION

Recommended Courses

TAE101 – Woodworking I
TAE209/MTH204 - Geometry in Construction
TAE306 – Building Construction I
TAE402 – Building Construction II

MECHANICAL DRAWING & DRAFTING

Recommended Courses

TAE103 – Drafting I / AutoCAD
TAE202 – Drafting II / AutoCAD
TAE301 – Advanced Drafting / AutoCAD

* *TAE107 – Introduction to Engineering Design (PLTW) is a suggested course for any of these pathway options*

Local College Connections

Gateway Technical College, UW-Madison, UW-Platteville, UW-Milwaukee, UW-Stout, Carthage College, Marquette University, Milwaukee School of Engineering, Milwaukee Area Technical College



INDUSTRY RECOGNIZED CREDENTIALS

None at this time

WORK-BASED LEARNING OPTIONS

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 a specific occupational area at a worksite to supplement classroom instruction. It is a one or two-year program with paid work experience and related classroom instruction based on industry-developed skill standards.

CAREER CONNECTIONS

carpenter, construction manager, civil engineers, cabinet maker, architect, interior designer, autocad designer.



SkillsUSA

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PROGRAMS OF STUDY

PERFORMANCE & COMPOSITION

While course sequences in performing arts have not traditionally been considered CTE Career Pathways, it's worth noting that Wilmot Union High School has a rich history in music and performance. And as you explore the course descriptions, you will find **six instrumental** opportunities and **four vocal choirs** and a particular sequence of courses that support a better understanding of music theory and composition. Because of the sequential nature of these courses and a connection to high-education opportunities, this particular sequence is being included here for reference.

Recommended Courses

MUS308 – Intro to Music Theory*
MUS501 – AP Music Theory
MUS309 – Contemporary Commercial Music

MEDIA TECHNOLOGY

This cross-departmental pathway requires that students will work closely with a counselor to choose appropriate courses to meet a specific focus in the media or entertainment industries.

Recommended Courses

ART103 – Digital Photography
ART404 – Visual Literacy and Technology
BIT220 – Business Communication
BIT222 – Digital Productions
MUS306 – Theater Technology
ENG309 - Drama
ENG306 – Journalism

Local College Connections

Milwaukee Area Technical College, Marquette University, Lakeland College, Concordia University, UW-Madison, UW-Whitewater, UW-Milwaukee, UW-Parkside, UW-Eau Claire, UW-Stout, Carroll University, Madison Area Technical College, Northeast Wisconsin Technical College, Carthage College

INDUSTRY RECOGNIZED CREDENTIALS

ADOBE CERTIFIED ASSOCIATE (ACA): provides entry level certification for digital art and web design students who are just learning their products. Instead of focusing on advanced techniques and customization, the associate level exams cover foundation theory and key user interface elements. See the Art Department Head, the Career Technology Education Coordinator or your counselor for information on the most current certifications and opportunities.

<https://learning.adobe.com/certification.html>

WORK-BASED LEARNING OPTIONS

INTERNSHIPS & 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 a specific occupational area at a worksite to supplement classroom instruction based on industry-developed skill standards.

CAREER CONNECTIONS

performer, songwriter, film/video editor, technical writer, video producer, photographer, recording engineer, journalist, public relations specialist, social media blogger, sound engineer, animator

SkillsUSA – YEARBOOK – PANTHER PRODUCTIONS

STUDENT ORGANIZATIONS & SCHOOL-BASED ENTERPRISE OPTIONS

The *Yearbook* is a club that meets after school to publish a visual and written history of Wilmot Union High School for the year. Students design pages, take pictures, and write the copy.

Panther Productions is an afterschool media club that supports students working in social media, photography, pod-casting, film/video creation and streaming live events.

SkillsUSA is a partnership of students, teachers and industry representatives, working together to ensure America has a skilled work force. It helps students who are preparing for careers in trade, technical and skilled service occupations. <https://www.skillsusa.org/>





ART

Department Course Offerings (Freshman Year)

ART102

Art I (E)

ART201

Art II (E)

ART202

Computer Graphics (E)

ART203

Beginning Ceramics (E)

ART303

Ceramics II (E)

ART404

Visual Literacy & Technology (E)

FRESHMAN YEAR

R = Required course at indicated grade level

E = Elective course at indicated grade level



ART

Department Course Offerings (Sophomore — Senior Year)

ART102 Art I (E)

ART201 Art II (E)

ART202 Computer Graphics (E)

ART203 Beginning Ceramics (E)

ART301 Drawing & Painting (E)

ART302 Advanced Computer Graphics (E)

ART303 Ceramics II (E)

ART401 Advanced Drawing & Painting (E)

ART404 Visual Literacy & Technology (E)

ART103 Digital Photography (E)

ART304 Portfolio I (E)

ART403 Portfolio II (E)

ART501 AP Studio Art and Design 2D (E)

SOPHOMORE YEAR

JUNIOR YEAR

SENIOR YEAR

R = Required course at indicated grade level E = Elective course at indicated grade level

ART102 – Art I

Credits: 1.00

Grades: 9-12

This is an introductory level studio art course, designed for students with all artistic ability levels and skills. Students will work on individual projects and studio studies to improve their drawing skills and to develop their understanding of the elements and principles of art which correspond throughout all art courses. Students will enhance artistic skills through exploring various media, techniques, concepts, and processes essential to understanding the visual arts and the role of the artist.

The emphasis is placed on the use of Art Elements in creative process. The assignments are designed to enhance and nourish such skills as creative problem solving and critical thinking while developing the student's style. From then on, students will demonstrate their ability to respond, to analyze, and to interpret their artwork and the work of others through discussions, critiques, and reflections.

ART103 – Digital Photography

Credits: 0.50

Grades: 11-12

In this course students will explore digital photography in relation to fine art. Students must provide their own digital camera; they may not use a cell phone to take pictures. Students will create photographic art work to better understand electronic media as it pertains to art and art making. Emphasis will be placed on pre-visualization, planning, and problem-solving. The students' development as a photographer will improve while they create photographic images as expressive and thoughtful works of art. Students will competently use the technologies necessary for the production of their images, as well as learning about the visual arts. Applications used during the course include the industry standard for graphics:

- *Adobe Photoshop*

ART201 – Art II

Credits: 1.00

Grades: 9-12

Prerequisites: ART102

This course is designed to provide students with an opportunity to experiment with a variety of art media, techniques, and processes. Each art

assignment is carefully designed to help students find their own artistic preferences by trying out mixed media, collages, oil pastels, and various printing and painting techniques. Special attention is stressed on craftsmanship and process' application. By the end of the course students will form their own individual artistic style, understand the design process, and create a portfolio that will demonstrate their artistic growth.

ART202 – Computer Graphics

Credits: 0.50

Grades: 9-12

Prerequisites: ART102 – or concurrently

This course is designed to introduce students to digital imaging as a form of Art. Students will have an opportunity to learn and explore the possibilities of using advanced graphics technology to produce quality artwork.

Students will learn to use Adobe applications, focusing on Photoshop skills to create, enhance, and manipulate photographs.

Students will learn Design principles while working on the assignments that can be applied in any field of post-secondary study or career. Any student considering an Art and Design career will find this course extremely valuable.

Applications learned during the course include the industry standard for graphics:

- *Adobe Photoshop*
- *Adobe Illustrator*.

Part of Adobe ACA Certification program.

ART203 – Beginning Ceramics

Credits: 0.50

Grades: 9-12

Prerequisites: ART102

This course introduces ceramics as an art form and explores the basics of forming and shaping clay. Students will be introduced to the beauty of ceramics by creating functional and decorative clay pieces while learning various ways to form and manipulate clay.

We will focus on three hand-building techniques (pinch, coil, and slab methods), design, glazing, and firing processes. A variety of glazing and decoration techniques will be introduced as well. Students will be able to independently create pieces beginning with a sketched idea, and culminating in a finished product.

ART301 – Drawing and Painting

Credits: 0.50

Grades: 10-12

Prerequisites: ART201

This course is intended to enhance student's artistic abilities through experimentation in a variety of media. Students will be encouraged to develop their own personal creative vision, while working on refining their artistic skills through drawing and painting studies and assignments.

The class setting is similar to an art college studio class where students take ownership of their learning. All advanced art students are welcome!

It is recommended to take Drawing & Painting, along with Advanced Drawing & Painting prior to enrolling in AP Studio.

ART302 – Advanced Computer Graphics

Credits: 1.00

Grades: 10-12

Prerequisites: ART202

This course is designed to expand student experience in digital imaging.

Students will improve their visual and technical skills through completing advanced visual tasks. In addition to learning new Adobe applications, students will learn about typography, web design, and publishing process.

The focus of the course is visual experimentation and problem solving.

All the above skills can be applied to a future career as they are very desired by employers in any field.

Applications learned during the course include the industry standard for graphics:

- *Adobe Photoshop*
- *Adobe Illustrator*
- *Adobe InDesign*
- *Adobe After Effects*

Part of Adobe ACA Certification program.

ART303 – Ceramics II

Credits: 0.50

Grades: 9-12

Prerequisites: ART203

Ceramics II is a continuation of Beginning Ceramics with additional emphasis placed on skills, individual styles, and experimentation. Students will master their skills in hand-building techniques and experience other forms of working with clay - potter's wheel, sculpture, etc. Students will learn additional decorating techniques for their artwork, including underglaze painting, sgraffito, special effect glazing, etc.

ART304 – Portfolio I

Credits: 0.50

Grades: 11-12

Prerequisites: ART201

This course focuses on the creation and preparation of artwork, electronic portfolio development, and experimenting in various processes. This class gives students the responsibility to develop their own body of work through the use of craftsmanship and keen time management. Through their portfolio development process, students will gain an understanding of their own personal artistic vision, and an overall view of the fine arts. Students will delve more deeply into a particular aspect of art, and will formulate their own interests and goals, as well as work independently to completion. Students will have the opportunity to create a competition/presentation portfolio to use for postsecondary school applications and admissions.

ART401 – Advanced Drawing and Painting

Credits: 0.50

Grades: 10-12

Prerequisites: ART301

This course is intended to further enhance student's abilities in drawing and painting through experimentation in a variety of media. Students will be given more freedom in their choices of subject matter and materials. Students will create artwork that reflects students' personality and unique artistic style, and can be added to the college portfolio. Focus of the class is to promote critical thinking in addition to refining the skills. It is recommended to take this class prior to enrolling in AP Studio.

ART403 – Portfolio II

Continuation of Portfolio I.

Credits: 0.50

Grades: 11-12

Prerequisites: ART304

This course is a continuation from Portfolio 1. The course focuses on the creation and preparation of artwork, electronic portfolio development, and experimenting in various processes. This class gives students the responsibility to develop their own body of work through the use of craftsmanship and keen time management. Through their portfolio development process, students will gain an understanding of their own personal artistic vision, and an overall view of the fine arts. Students will delve more deeply into a particular aspect of art, and will formulate their own interests and goals, as well as work independently to completion. Students will have the opportunity to create competition/presentation portfolio to use for postsecondary school applications and admissions.

ART404 – Visual Literacy and Technology

Credits: 1.00

Grades: 9-12

Prerequisites: None

This career oriented course is intended for students who want to learn the language of **Graphic Design and Desktop Publishing**. Students will learn to use images to read and convey messages through visual media. Students will learn the process of design and production, work with Color Theory, Typography, and Design Principles to be able to produce quality designs for personal and professional use. Special emphasis will be given to the visual skills necessary for producing professionally looking everyday print and web materials, presentations, brochures, etc. By the completion of the course, students will have a strong foundation for creating and appreciating art. No prior Art experience is required, but strongly suggested prior to this class. Students will be looking for solutions to given visual problems that involve both technology and traditional art/design media skills.

Applications learned during the course include the industry standard for graphics:

- *Adobe Photoshop*
- *Adobe Illustrator*
- *Adobe InDesign*

Part of Adobe ACA Certification program.

ART501 – AP Studio Art and Design 2D

Credits: 1.00

Grades: 11-12

Prerequisites: ART201

College Credit: AP

This course is intended for the serious art student. Students should be aware that AP work involves significantly more commitment and accomplishment than the typical high school class. Students will need to produce work outside of the classroom, as well as in it, and beyond scheduled class periods. All works created in this course should be high-quality, finished pieces, with an overall appearance of refined technique and solid application of skills. Students will show a range of ideas and approaches to art making, and a sustained, deep, and multi-perspective investigation of a topic. Students' work is informed and guided by observation, research, experimentation, discussion, critical analysis, and reflection. Students will document their artistic ideas and practices to demonstrate conceptual and technical development over time.



BUSINESS & INFORMATION TECHNOLOGIES

Department Course Offerings (Freshman Year)

BIT101 Introduction to Business (E)
BIT121 Computers for Professionals (E)
BIT132 Introduction to Networking/Web Concepts (E)
BIT220 Business Communications (E)
BIT222 Digital Productions (E)
BIT232 IT Essentials (E)
BIT233 Introduction to Computer Science (PLTW)(E)

R = Required course at indicated grade level E = Elective course at indicated grade level



BUSINESS & INFORMATION TECHNOLOGIES

Department Course Offerings (Sophomore — Senior Year)

BIT101 Introduction to Business (E)		
BIT121 Computers for Professionals (E)		
BIT132 Introduction to Networking/Web Concepts (E)		
BIT201 Marketing Principles I (E)		
BIT202 Small Business Accounting I (E)		
BIT203 Business Law (E)		
BIT204 Leadership & Development (E)		
BIT205 Principles of Hospitality (E)		
BIT206 Introduction to Service (E)		
BIT207 Managing Service in the Hospitality Industry (E)		
BIT220 Business Communications (E)		
BIT222 Digital Productions (E)		
BIT226 Small Business Accounting II (E)		
BIT232 IT Essentials (E)		
BIT233 Introduction to Computer Science (PLTW)(E)		
	BIT301 Marketing Principles II (E)	
	BIT302 Advanced Accounting (E)	
	BIT303 Business Management & Entrepreneurship (E)	
	BIT304 Professional Seminar (E)	
BIT333 Computer Science Principles (PLTW) (E)		
	BIT402 Computer Science A (PLTW) (E)	
		BIT401 Financial Literacy (R)
SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR

BIT101 – Introduction to Business

Credits: 0.50

Grades: 9-11

College Credit: T

Business is the core of our economic system and every responsible citizen should have basic business knowledge. In this course, students will gain the basic understanding of the different types of businesses, business management and ownership, our government's role in business as well as learn what it takes to start their own business. The topics discussed will give students an introduction to many other courses in BIT department at Wilmot. Every student interested in understanding business as it relates to life in a global economy or thinking of a potential career in business should definitely take this course! This course is a prerequisite to a few other business courses.

BIT121 – Computers for Professionals

Credits: 0.50

Grades: 9-12

College Credit: T

Students will cover a variety of computer topics and software use in this course as well as review keyboarding posture. Students will become familiar with Microsoft Office Suite, specifically working with Word, PowerPoint, and Excel. Students will learn how to access school email and use it with proper "netiquette". Computer basics will be explored by examining the parts inside of a computer and learning their functions. Web 2.0, social networking, and online safety will also be studied. Students will gain skills that prepare them for many other technology courses in the BIT department.

BIT132 – Introduction to Networking/Web Concepts

Credits: 1.00

Grades: 9-12

Prerequisites: BIT121 or Counselor Approval

This course will introduce networking and web concepts. Topics will include the internet, OSI model, wireless, security, logical and physical topologies, hacking, and web pages. Individuals will learn real world skills related to employment.

BIT201 – Marketing Principles I

Credits: 0.50

Grades: 10-12

Prerequisites: BIT101

College Credit: T

Marketing is one of the most dynamic and visible areas of business. Approximately one in every five jobs is marketing based. This course will not only provide a solid foundation to introduce students to marketing concepts and principles, but also give students an understanding of how marketing affects the daily lives of each person in our society. Various topics will include sports and entertainment marketing; promoting a business, product, or service, and event marketing. This will be done through interactive learning, as well as a few individual and group projects. Students are strongly encouraged to become members of Wilmot MBA--a co-curricular student organization that provides students exciting opportunities to gain valuable hands on marketing experience (conferences, competitive events, community service) related to what is taught in the classroom.

BIT202 – Small Business Accounting I

Credits: 0.50

Grades: 10-12

You will learn basic accounting practices used to keep financial records for a business. You will learn the accounting cycle for a service business organized as a proprietorship and a merchandising business organized as a partnership. QuickBooks Pro and Microsoft Excel, the programs used by small business owners, business professionals, and accountants, will be introduced to the students and used throughout the course. This course is strongly recommended for any student interested in pursuing a business degree in college or business ownership. Gateway Technical College: Students who earn a B or better in Small Business Accounting I, Small Business Accounting II, and Advanced Accounting receive 3 credits through Gateway Technical College.

BIT203 – Business Law

Credits: 0.50
Grades: 10-12

This course is designed to acquaint students with the basic legal principles relevant to their roles as citizens, consumers and employees. Students will learn about the origin of law, constitutional rights, business ethics, the court system, criminal and civil law, and contracts. Content will be highlighted through a mock trial, various scenarios and activities, role plays and actual court case analysis.

BIT204 – Leadership & Development

Credits: 0.50
Grades: 10-12

This course is designed to enhance and improve the leader inside you. Everyone is a leader at some capacity and the goal of this course is to allow students to discover who they are, what they believe in and help them become the best they can be.

BIT205 – Principles of Hospitality

Credits: 0.5
Grades: 10-12
College Credit: T

This introductory course tours the related hospitality fields of hotels, tourism, foodservice, and recreational attractions with an emphasis on customer service. The course will cover the typical types of establishments found in Wisconsin and throughout the United States. Students will be introduced to common job titles, organizational structures, career opportunities, and trends in this field. Students will create a career plan and initiate a portfolio related to one of the specific hospitality fields.

BIT206 – Introduction to Service

Credits: 0.50
Grades: 10-12
College Credits: T

This course addresses customer service in the hospitality fields, and discusses how service is the backbone of this industry. Students will learn how to identify good and poor service as well as how correct service has evolved and the reasons for quality service. Students will learn how to address upset customers and gain basic dispute management skills.

BIT207 – Managing Service in the Hospitality Industry

Credits: 0.50
Grades: 10-12
College Credit: T

Students will master the key supervision skills needed in the business and hospitality fields. They will examine the evolution of management theory and organizational environments. This course investigates the four functions of management: planning and decision making, organization, leading and motivating, and controlling. Additional topics may include: staffing, training, corporate social responsibility and ethics.

BIT220 – Business Communications

Credits: 0.50
Grades: 9-12

In today's global business atmosphere, effective written, verbal, and interpersonal communication skills are a fundamental part of being a successful professional. This course will focus on building personal communication skills to better project a professional image. In this project-based course, students will: evaluate communication styles, improve active listening, and design business materials while learning how to produce clear, concise, and powerful messages across various communication channels – including social media.

BIT222 – Digital Productions

Credits: 0.50
Grades: 9-12

This course will teach students Adobe Premiere Pro CS6, the program used by the professionals and taught at colleges and universities. Students will learn how to work with still images, import music, edit and assemble video, use transitions, apply effects, and design titles and credits to create quality movies. In this project-based course students will create projects using Picture-in-Picture and a Green Screen. In addition, during this course students will create videos for Wilmot High School. Want to begin your career in broadcasting? Within this course you will have an opportunity to broadcast Wilmot High School events. Learn how to use the equipment, sit in the broadcast booth, and describe the action.

Note: If you do not want to broadcast Wilmot events, that's fine. Enroll in the class to learn Adobe Premiere CS6.

BIT226 – Small Business Accounting II

Credits: 0.50

Grades: 10-12

Prerequisites: BIT202

You will broaden your study of accounting by further learning the accounting cycle for a merchandising business organized as a partnership. An accounting simulation will be part of the curriculum. QuickBooks Pro and Microsoft Excel will continue to be taught throughout the course. This course is strongly recommended for any student interested in pursuing a business degree in college or business ownership.

Gateway Technical College: Students who earn a B or better in Small Business Accounting I, Small Business Accounting II, and Advanced Accounting receive 3 credits through Gateway Technical College.

BIT232 – IT Essentials

Credits: 1.00

Grades: 9-12

Prerequisites: BIT121 or Counselor Approval

College Credit: T

IT Essentials focuses on the relationship between hardware and system software. The course topics include PCs, peripherals, networking, security, troubleshooting, and communication skills. IT Essentials is an introductory course that presents a foundation toward the pursuit of CompTIA A+ certification at Gateway Technical College.

BIT233 – Computer Science Essentials (PLTW)

Credits: 1.00

Grades: 9-12

College Credit: PLTW

Students will experience the major topics, big ideas, and computational thinking practices used by computing professionals to solve problems and create value for others. This course will empower students to develop computational thinking skills while building confidence that prepares them to advance to Computer Principles and Computer Science A.

BIT301 – Marketing Principles II

Credits: 0.50

Grades: 11-12

Prerequisites: BIT201

College Credit: T

Students will advance their knowledge and understanding of the marketing foundations, functions, and concepts through advanced level content, interactive learning, as well as applying that understanding through several higher level individual and group projects. Students enrolled in this course are strongly encouraged to be members of Wilmot MBA--a co-curricular organization that provides students exciting opportunities to gain valuable hands on marketing experience (conferences, events, community service) related to what is taught in the classroom. Students MUST take Marketing Principles I before this course.

BIT302 – Advanced Accounting

Credits: 1.00

Grades: 11-12

Prerequisites: BIT226

College Credit: A

This course emphasizes the basic procedures and concepts of financial accounting: analyzing, recording and interpreting financial data. It includes the technical aspects and computer applications for communicating financial accounting information to stakeholders.

Gateway Technical College: Students who earn a B or better in Small Business Accounting I, Small Business Accounting II, and Advanced Accounting receive 3 credits through Gateway Technical College.

BIT303 – Business Management & Entrepreneurship

Credits: 1.00

Grades: 11-12

Prerequisites: BIT101 or BIT201 and Instructor

Approval

College Credit: T

This year long course will teach students to effectively manage a business. Students will learn all aspects of running a business and apply what they learn by managing the learning lab (the school store – THE PAW). Students are responsible for selecting merchandise, pricing, promotion and training employees. Students may achieve a Retail Management Skill Standards Certificate and/or Employability Skills Standards Certificate from DPI in Madison by completing this program. These certificates are a great addition to a career portfolio and college applications. Students will be required to fill out an application and get three recommendations from staff, community members, employers, coaches, etc.

BIT304 – Professional Seminar

Credits: 0.50

Grades: 11-12

College Credit: Dual-credit opportunity

Students will learn about careers, employability skills, soft skills, business practices, and how to conduct themselves in a professional and ethical manner. Students in this course can also combine in-school instruction with paid employment through work-based learning options. Early release time is available.

BIT333 - Computer Science Principles (PLTW)

Course Syllabus:

Credits: 1.00

Grades: 10-12

Prerequisites: BIT233

Laude Points: 2

College Credit: PLTW

Using Python® as a primary tool, students explore and become inspired by career paths that utilize computing, discover tools that foster creativity and collaboration, and see what they've learned to tackle challenges like app development and simulation. This course is part of the AP+PLTW pathway. Students enrolled in this course are invited to

participate in the Advanced Placement Computer Science Principles exam.

BIT401 – Financial Literacy

Credits: 0.50

Grades: 12

Prerequisites: Senior Standing (required for graduation)

Financial Literacy will enable students to make informed decisions about planning, organizing and allocating their financial resources. Students will gain an understanding of financial services, insurance, credit, loans (car, home and education), mortgages, budgeting and retirement strategies. Other topics will include renting an apartment, leasing vs. buying automobiles, purchasing a home, understanding the paycheck and careers.

BIT402 – Computer Science A (PLTW)

Credits: 1.00

Grades: 11-12

Prerequisites: BIT333 CSP (PLTW)

College Credit: PLTW

Students collaborate to create original solutions to problems of their own choosing by designing and implementing user interfaces and Web-based databases, as well as creating a game for their friends or an app to serve a real need in their community. This course is part of the AP+PLTW pathway. Students enrolled in this course are invited to participate in the Advanced Placement Computer Science A exam.



ENGLISH

Department Course Offerings (Freshman Year)

ENG090

Reading/Writing Lab (E)

ENG102

English I (R)

ENG103

Honors English I (R)

FRESHMAN YEAR



ENGLISH

Department Course Offerings (Sophomore — Senior Year)

<p>ENG090 Reading/Writing Lab (E)</p>		<p>ENG402 Senior Literature & Composition (R)</p>
<p>ENG202 English II (R)</p>	<p>ENG302 American Literature (R)</p>	<p>ENG502 Senior AP Literature & Composition (E)</p>
<p>ENG203 Honors English II (R)</p>	<p>ENG501 Junior AP Language & Composition (E)</p>	
<p>ENG306 Journalism I (E)</p>		
<p>ENG307 Journalism II (E)</p>		
	<p>ENG503 College/Career Writing (E)</p>	
		<p>ENG504 The Contemporary Novel (E)</p>
<p>SOPHOMORE YEAR</p>	<p>JUNIOR YEAR</p>	<p>SENIOR YEAR</p>

Wilmot Union High School Graduation Requirement: 4 English Credits

R = Required course at indicated grade level E = Elective course at indicated grade level

ENG090 – Reading/Writing Lab

Credits: 0.50

Grades: 9-11

Students will learn and apply research-based strategies to improve their engagement with and comprehension of fiction/nonfiction texts. Students will learn to identify text structure, write about fiction/nonfiction and learn academic vocabulary that will enhance their comprehension of nonfiction texts. The curriculum will focus on State Standards for reading informational texts, literacy in science/technical subjects, and literacy in history/social studies, using texts that will reinforce content area standards taught in the freshman/sophomore curriculum.

ENG102 – English I

Credits: 1.00

Grades: 9

During this year-long course students will study reading and writing using themes and patterns in fiction, nonfiction, poetry, and drama. Reading, speaking, listening, and language instruction will focus on the critical concepts and skills outlined in the State Standards. Writing instruction will focus on the process of writing narrative, informative, and persuasive essays per the skills outlined in the State Standards.

ENG103 – Honors English I

Credits: 1.00

Grades: 9

Prerequisites: demonstrated excellence in the content and above proficient reading ability

This course is designed for 9th graders who wish to pursue English 10 Honors and/or AP English. In addition to receiving skills taught in 9th grade, students will be exposed to reading and writing commonly used to prepare for the AP exams. Students will study reading and writing using themes and patterns in fiction, nonfiction, poetry, and drama. Reading, speaking, listening, and language instruction will be focused on the critical concepts and skills outlined in the State Standards. Writing instruction will focus on the process of writing narrative, informative, and persuasive essays per the skills outlined in the State Standards with a goal toward college level writing.

ENG202 – English II

Syllabus: ENG202

Credits: 1.00

Grades: 10

Prerequisites: ENG102

During this year-long course, the 10th grade students will study the rhetorical strategies used in the various modes of speaking, writing, and research. Literature from a variety of genres will be used to learn skills and critical concepts outlined in the State Standards for reading, speaking, listening, and language. Writing instruction will focus on the process and advanced development of writing analysis, informative, and persuasive essays and major papers, per the skills outlined in the State Standards.

ENG203 – Honors English II

Credits: 1.00

Grades: 10

Prerequisites: demonstrated excellence in the 9th grade content and above proficient reading ability

This course is designed for 10th graders who wish to build on skills from Honors English I and pursue AP English in grades 11 and/or 12. In addition to receiving skills taught in tenth grade, students will be exposed to reading and writing commonly used to prepare for the AP exams. Students will study the rhetorical strategies used in the various modes of speaking, writing, and research. Literature from a variety of genres will be used to learn skills and critical concepts outlined in the State Standards for reading, speaking, listening, and language. Writing instruction will focus on the process and advanced development of writing analysis, informative, and persuasive essays, per the skills outlined in the State Standards with a goal toward advanced writing skills appropriate for success on the AP exams.

ENG302 – American Literature

Syllabus: ENG302

Credits: 1.00

Grades: 11

Prerequisites: Junior level standing

During this year-long course, students will read multicultural American literature in various genres from the colonial period to the present. Nonfiction texts related to the curriculum will also be used for reading and writing instruction. Reading, speaking, listening, and language instruction will focus on the critical concepts and skills outlined in the State Standards using nonfiction texts and American Literature as the foundation for learning. Writing instruction will focus on the process of writing, expository, informative, and persuasive essays per the skills outlined in the 11-12 State Standards.

ENG306 – Journalism I

Credits: 0.50

Grades: 10-12

Prerequisites: ENG102 or ENG103

This semester course is designed to give students interested in journalism an overview of the different types of journalistic writing and knowledge of publications production. An emphasis is placed on writing for an audience and the technical and mechanical aspects of writing for print and digital media. Students will evaluate various types of media content and participate in a variety of reading, speaking, and writing activities. (fulfills the English graduation requirement when taken with American Literature).

ENG307 – Journalism II

Credits: 0.50

Grades: 10-12

Prerequisite: Successful completion of ENG306-Journalism I

This course is designed for those students who have completed Journalism I. Journalism II will focus on advanced journalistic writing skills for publications. Students in this course will serve as editors of the school newspaper by generating story ideas applying the AP Stylebook to writing, creating deadlines, and making final decisions on what goes to print. Students will also be involved preparing the newspaper for publication by means of our publication technology software. Students will

complete an in-depth reporting spread as a culminating project.

ENG402 – Senior Literature & Composition

Credits: 0.50

Grades: 12

Prerequisites: Senior level standing

During this semester course, students will read and analyze works of world literature from a variety of authors and genres. Students will contrast major literary forms, techniques, and characteristics of the major literary periods and relate the works and authors to the major themes and social, political, and literary issues of the eras. Nonfiction texts related to the curriculum will also be used for reading and writing instruction. Reading, speaking, and listening instruction will be focused on the critical concepts and skills outlined in the State Standards using nonfiction texts and American Literature as the foundation for learning. Writing instruction will focus on the process of writing, expository, informative, and persuasive essays per the skills outlined in the State Standards.

ENG501 – Jr. AP Language & Composition

Credits: 1.00

Grades: 11

Prerequisites: ENG102 and ENG202

College Credit: A/AP

This course, approved by the College Board, exposes students to college-level reading, writing, thinking, and expectations. Students read complex American nonfiction, understanding prose through analysis of rhetorical styles, structures, language usage, and tone. Students write extensively, producing effective and rich expository, argumentative, and analytical texts targeted for mature audiences. The focus on language in the course assumes that students enter with a solid understanding of Standard English grammar, competence in composition, and proficient reading skills. Students are strongly encouraged to take the AP exam in May.

ENG502 – Sr. AP Literature & Composition

Credits: 1.00

Grades: 12

Prerequisites: ENG102 and ENG202

College Credit: AP

This course, approved by the College Board, engages students in close reading and critical analysis of literature, focusing on how the formal elements of literature communicate meaning. Students extend their engagement with literature beyond the personal, learning how to critically analyze and evaluate it both as art and as a sociocultural force in history. Student writing includes logs, journals, focused analyses, interpretations, and supported claims. To prepare for the exam and for college, students learn to read, think, and write with increasing complexity and sophistication. Students are strongly encouraged to take the AP exam in May.

ENG503 – College and Career Writing

Credits: 0.50

Grades: 11 - 12

Prerequisites: ENG102 or ENG103, ENG202 or ENG203

This semester course will focus on the six purposes of writing to give students experience with non-literary writing. Examples of writing types include: editorials, incident reports, proposals, data analysis narratives, short persuasive essays, critiques, and blogs. Connections will be made between purpose, specific audience, and use of each writing assignment in college and/or career.

ENG504 – The Contemporary Novel

Credits: 0.50

Grades: 12

Prerequisites: ENG102 or ENG103, ENG202 or ENG203, and ENG302

College Credit: T

This course is a study of significant British and American novels and novelists of the last decade. It is aligned with University of Wisconsin-Whitewater English 263. **Students may enroll in this course for high school credit only or for both high school credit and 3 UW Whitewater credits. Students who wish to enroll in these courses for the 3 credits must meet the following UW-Whitewater requirements: GPA of at least 3.25 on a 4.0 scale, ACT score of 24, and/or teacher approval.**



FAMILY & CONSUMER SCIENCE

Department Course Offerings (Freshman Year)

FCS101
Foods I (E)

FCS201
Foods II (E)



FAMILY & CONSUMER SCIENCE

Department Course Offerings (Sophomore — Senior Year)

FCS101 Foods I (E)

FCS201 Foods II (E)

FCS204 Child Development (E)

FCS205 Health, Safety & Nutrition for the Young Child (E)

FCS301 Baking (E)

FCS304 Medical Terminology (E)

HLT201 Health Occupations (E)

FCS303 Assistant Child Care Teacher/Foundations of Early Childhood

FCS401 Culinary Arts I (E)

FCS402 Culinary Arts II (E)

FCS403 CCT Co-op (Child Care Teacher)/Practicum I (E)

FCS101 – Foods I

Credits: 0.50

Grades: 9-12

This introductory class provides students with many opportunities to develop their cooking and cooperative working skills. Units include: ingredient measurement, following recipes, and identifying and working with kitchen tools and equipment.

FCS201 – Foods II

Credits: 0.50

Grades: 9-12

Prerequisites: FCS101

Learn what it takes to develop advanced food preparation skills. Students will build on skills learned in FCS101-Foods I.

FCS204 – Child Development

Credits: 0.50

Grades: 10-12

Prerequisites: sophomore or greater standing
College Credit: T

A study of the growth and development of a child from conception to 3 years of age will be covered. Areas of study will include: physical, intellectual, emotional and social development. The baby simulation will be an integral project, which will help replicate the responsibilities of parenthood.

FCS205 – Health, Safety, Nutrition for the Young Child

Credits: 0.50

Grades: 10-12

College Credit: T

This course examines the topics of health, safety, and nutrition within the context of the early childhood educational setting. Course competencies include: integrate strategies that support diversity and anti-bias perspectives; follow governmental regulations and professional standards as they apply to health, safety, and nutrition; provide a safe early childhood program; provide a healthy early childhood program; provide a nutritionally sound early childhood program; adhere to child abuse and neglect mandates; apply Sudden Infant Death Syndrome (SIDS) risk reduction strategies; and incorporate health, safety, and nutrition concepts into the children's curriculum. Students will be given the

opportunity to participate in the RealCare Baby Infant Simulator Project. Students who take this class AND FCS303 will earn the Child Care Basics certification.

FCS301 – Baking

Credits: 0.50

Grades: 10-12

Prerequisites: FCS101 and FCS201

This course is designed for students who love to bake. This class is centered on learning the scientific principles and specific techniques that are needed in making any baked good. Students will prepare items such as cakes, cookies, pastries, pies, savory baked goods and a variety of breads. Basic cake decorating will also be taught.

FCS303 – Assistant Child Care Teacher/Foundations of Early Childhood (307-148-3W7A)

Credits: 0.50

Grades: 11-12

Prerequisites: FCS204 *or* FCE205 – students will need to earn a “C” or better to advance to ACCT & CCT.

College Credit: T

Students will learn the skills needed to earn an assistant child care certification from the state of Wisconsin. They will plan and conduct educational experiences for preschool children. Throughout the semester, students are required to spend 10 hours in a child care center working with children. Students must complete Assistant Child Care Teacher plus Child Services Co-op and earn a B or better in both classes in order to receive 3 credits through Gateway or any other Wisconsin Technical College. Student who take this class AND FCS205 will earn the Child Care Basics certification.

FCS304 – Medical Terminology

Credits: 0.50

Grades: 10-12

This course will focus on the component parts of medical terms: prefixes, suffixes, and word roots. Students practice formation, analysis, and reconstruction of terms. There is major emphasis on spelling, definition, and pronunciation as well as an introduction to operative, diagnostic, therapeutic, and symptomatic terminology of all body systems. This will also be inclusive of systemic and surgical terminology.

HLT201 – Health Occupations

Credits: 0.50

Grades: 10-12

This is a semester-long course that provided a basic orientation to many different Health Occupations through the use of instruction and guest speakers from a variety of Health Care professions. This class is ideal for those who may be interested in a career in the healthcare field and includes topics such as career exploration including shadowing experiences, the ethical roles and responsibilities of a healthcare worker, an overview of human body functions, and an introduction to medical terminology.

FCS401 – Culinary Arts I

Credits: 1.00

Grades: 11-12

Prerequisites: FCS201

This course challenges students to develop the skills needed to be successful in the field of professional cooking and hospitality. Advanced techniques in food preparation include: breakfast foods, sandwiches, eggs, desserts, fruits, vegetables, salads, and garnishes. Student will focus on employability, using standardized recipes, planning nutritious and specialized menus, business math, controlling foodservice costs, applying basic cooking methods and technology in a professional setting and working in today's diverse workforce. Culinary Arts 1 is the first of a two-part program in which students have the opportunity to earn a nationally-recognized ProStart certificate of completion.

FCS402 – Culinary Arts II

Credit: 1.00

Grades: 11-12

Prerequisites: FCS401– students will need to earn a “C” or better

This course is a continuation of concepts covered in Culinary Arts I and helps students develop the skills needed to be successful in the field of Professional Cooking and Hospitality. Advanced techniques in food preparation include: potatoes and grains, desserts and baked goods, meat and seafood, and stocks and sauces. Advanced business concepts covered in this course are the art of service, marketing and the menu, purchasing and cost controls, standard accounting practices, communications, tourism and lodging. Students will be exposed to new industry technologies in a professional setting. Culinary Arts II is the second of a two-part Certification program written by industry professionals and the National Restaurant Association. With successful completion of coursework, students will earn the nationally recognized ProStart Certificate of Achievement.

FCS403 – CCT Co-op (Child Care Teacher)/Practicum I (307-174-3R11)

Credits: 2.00

Grades: 12

Prerequisites: FCS303 - ACCT

College Credit: T

The Child Care Services Coop is a skill certificate program for seniors who are at least 17 years of age and who have adequately completed the Assistant Child Care Teacher (ACCT) Certification course during their junior year. Students will earn a Child Care Teacher (CCT), IT (Infant-Toddler) & Core Employability Skills Certifications from the state of Wisconsin. Competency areas covered in the course include: thinking/information processing, interpersonal skills, development of children, child care services introduction, food and nutrition, health and safety and additional needs of special children. Core employability skills are also calculated. Students who satisfactorily complete the program and graduate from high school also qualify to receive the second-level Department of Health and Family Services (DHFS) employment description as a Child Care Teacher. The students will also plan and conduct educational plans and experiences for pre-school children. Throughout the year students are

required to work 120 hours/semester (480 Total Hours – to include summers – before & after Senior year – August 31st deadline) in a Child Care/School setting and meet standard requirements to earn an additional 1/2 credit/semester, additional 1.0 credit/year. Students must complete Assistant Child Care Teacher plus Child Services Co-op and earn a B or better in all classes in order to receive 3 credits through Gateway or any other Wisconsin Technical College.

Induction to Teaching

Department Course Offerings (Sophomore – Senior Year)

SOC313

Introduction to Human Development (E)

ITP102

Intro to Special Education (E)

ITP104

Current Trends and Issues in Education (E)

ITP103

Teaching Practicum and Effective Teaching Practices (E)

SOPHOMORE YEAR

JUNIOR YEAR

SENIOR YEAR

R = Required course at indicated grade level E = Elective course at indicated grade level



PIE: Partners in Education through University of Wisconsin Whitewater

The PIE program is a concurrent education program which provides a unique way to deliver rigorous curriculum to qualified high school students by allowing them to earn college credit while still fully engaged in the high school activities. By taking college credit in high school, students also set themselves apart by demonstrating that they can succeed in college classes. The syllabus, assignments, and requirements for each course are aligned with those taught on the UW-Whitewater campus. Tuition for the PIE courses is currently about 1/3 of regular university tuition. **Students opting to earn UW-Whitewater credit for ITP102 and SOC313 will be assessed a \$300.00 student fee.**

Students receive transcribed credit for any PIE courses taken that are transferable to other colleges and universities.

Students may enroll in these courses for high school credit only or for both high school credit and 3 UW Whitewater credits. Students who wish to enroll in these courses for the 3 credits must meet the following UW-Whitewater requirements: GPA of at least 3.25 on a 4.0 scale, ACT score of 24, and/or teacher approval.

ITP102 – Intro to Special Education

Credits: 0.50
 Grades: 11-12
 College Credit: T

Students will explore issues and perspectives related to children, adolescents, and young adults with a variety of ability and disability experiences. Students will examine perceptions, assumptions, and attitudes related to students with exceptional needs. Considerable time will be spent on inclusive practices in general education environments where all staff accept the responsibility for the social and educational growth of ALL students.

SOC313 – Introduction to Human Development

Credits: 0.50
 Grades: 10-12
 College Credit: T
 Prerequisite: At least a C or better in Psychology or completion of AP Psychology

Students will learn the basic concepts of lifespan development using cognitive, biosocial, and psychological domains. Theorists include, but are not limited to, Piaget, Kohlberg, Vygotsky and Erikson. Empirical research will be evaluated and used to explore the science of human development. This course is a practical field for teaching, parenting, and any other career that interacts with people. Students will be encouraged to think scientifically and critically about the topics covered and identify ways to apply their knowledge of human development to their everyday lives and future. This course is aligned with Educational Foundations 230: Introduction to Human Development at UW-Whitewater, a developmental psychology course.

ITP103 – Teaching Practicum and Effective Teaching Practices

Credits: 0.50
 Grades: 12

Students will be paired with local schools and teachers to observe and shadow students at varying age levels and abilities (PK-2, 3-5, 6-8, and students with cognitive disabilities). During this course students will obtain practicum hours that are supported by coming together one day a week to discuss their experiences. The classroom time will provide students an opportunity to journal, research, analyze, and share their learning experiences, while integrating best teaching practices into their practicum. Students will produce a portfolio based on Wisconsin teaching standards.

This course is only offered during second semester of the senior year. Students are scheduled at the feeder school during 8th hour on Monday – Thursday. On Friday during 8th hour, students meet at Wilmot. Students will be required to provide their own transportation.

ITP104 – Current Trends and Issues in Education

Credits: 0.50

Grades: 11-12

Students will explore the role of public education in the United States shaping their knowledge for analysis of the current trends and issues in education. Students will become familiar with the various roles in the public school system, the importance of teacher collaboration, licensing, teaching standards and content and grade level State Standards.



MATHEMATICS

Department Course Offerings (Freshman Year)

MTH102

Algebra (R)

MTH202

Geometry (R)

MTH203

Honors Geometry (E)

MTH301

Algebra 2 (R)

MTH302

Honors Algebra 2 (E)

FRESHMAN YEAR

Wilmot Union High School Graduation Requirement: 3 Math Credits

R = Required course at indicated grade level E = Elective course at indicated grade level



MATHEMATICS

Department Course Offerings (Sophomore — Senior Year)

MTH202 Geometry (R)		
MTH203 Honors Geometry (E)		
MTH204 Geometry in Construction (E)		
MTH301 Algebra 2 (R)		
MTH302 Honors Algebra 2 (E)		
	MTH400 Statistics (E)	
MTH401 Pre-Calculus & Analytic Geometry (E)		
MTH402 Honors Pre-Calculus & Analytic Geometry (E)		
	MTH501 AP Calculus AB (E)	
	MTH502 AP Statistics (E)	
	MTH503 AP Calculus BC (E)	
	MTH313 Technical Mathematics (E)	
SOPHOMORE YEAR	JUNIOR YEAR	SENIOR YEAR

Wilmot Union High School Graduation Requirement: 3 Math Credits

R = Required course at indicated grade level E = Elective course at indicated grade 62

MTH009 – Math Lab

Credits: 0.50

Grades: 9, 10, 11

Math Lab is designed for students currently enrolled in a mathematics course who need additional supports to strengthen their conceptual understanding and develop their proficiency on core standards. Students work on course prerequisite skills and essential standards for their specific level.

MTH102 – Algebra

Credits: 1.00

Grades: 9

Algebra focuses on linear, exponential, and quadratic functions. These concepts will be studied through equations, inequalities, graphs, and situations. Successful completion of this course satisfies the Algebra requirement for graduation.

MTH202 – Geometry

Credits: 1.00

Grades: 9-10

Prerequisites: MTH102

This course focuses on inductive and deductive reasoning, parallel and perpendicular lines, congruence and properties of triangles, quadrilaterals and polygons, similarity, right triangles, and circles. Probability, proof, as well as coordinate and transformational methods, are integrated into the course. Successful completion of this course satisfies the Geometry requirement for graduation.

MTH203 – Honors Geometry

Credits: 1.00

Grades: 9-10

Prerequisites: MTH102 and Teacher Recommendation

This course covers much of the content of the regular Geometry Course, plus additional topics. The use of proof will be emphasized and material will be covered in a more rigorous depth compared to Geometry, with a goal toward advancing math skills appropriate for college level AP Exams. Successful completion of this course satisfies the Geometry requirement for graduation. This course is recommended for students that plan on taking AP Calculus or AP Statistics.

MTH204 & TAE209- Geometry in Construction

Credits: 2.00

Grades: 10

Prerequisites: MTH102

Geometry in Construction is an interdisciplinary course that combines Geometry with Construction through the building of a significant construction project. The purpose of the course is to provide students an opportunity to learn Geometry by directly applying the concepts to a real world construction project, while providing students with a better understanding of both the Geometry and the Construction content through the combination of the academic and work-world contexts. The Geometry content matches that of the other Geometry courses taught in the Mathematics Department, and prepares students for the subsequent Algebra 2 courses. Students will be exposed to and gain hands-on experience in job site safety and the phases of residential construction. Additional emphasis given to teamwork, problem-solving, and the promotion of STEM education. Upon successful completion of this course, students earn a required credit for Geometry and an elective tech ed credit in this double-period course co-taught by a Math instructor and a Construction instructor.

MTH301 – Algebra 2

Credits: 1.00

Grades: 9-12

Prerequisites: MTH102 and MTH202

This course focuses on quadratic, polynomial, exponential, logarithmic, rational, radical and trigonometric functions, their abstract properties and their use for modeling real world situations.

MTH302 – Honors Algebra 2

Credits: 1.00

Grades: 9-11

Prerequisites: MTH203 and Teacher Recommendation

This college-prep course is intended for students seeking a more in depth approach to Algebra 2 content with a goal toward advancing math skills appropriate for college level AP exams. This course is recommended for students that plan on enrolling in AP Calculus and/or AP Statistics.

MTH313 – Technical Mathematics

Credits: 1.00

Grades: 12, 11*

Prerequisites: MTH202

College Credit: T

This course reviews the four basic mathematical operations on whole numbers, fractions and decimals. Basic algebra and trigonometry as related to technical fields is also covered. Geometric principles along with calculations of linear, area and volume measurements are applied. Students will interpret and sketch graphs, cover the metric system, work with methods to solve technical conversion problems and be exposed to an introduction of statistics. This course is articulated with Gateway Technical College and students will receive GTC credit. *Juniors can take Technical Mathematics with a teacher recommendation and approval from the Student Services Team.

MTH400 – Statistics

Credits: 1.00

Grades: 11-12

Prerequisites: MTH202 or MTH203

Looking for a math class that will help you in your college studies in science, psychology, business, or social sciences? Most college majors today require an introductory statistics course. This class will give you a head start of success. This activity-based class will introduce you to the world of data analysis. We will collect data using surveys and experiments and interpret the data to make informed decisions. Strong Reading and Interpretation skills are essential. Statistics is designed for any student interested in learning more about the subject.

MTH401 – Pre-calculus & Analytic Geometry

Credits: 1.00

Grades: 10-12

Prerequisites: MTH301

This course provides a good preparation for college math courses. Topics include functions and graphs; polynomial, power and rational functions; exponential, logistic, and logarithmic functions; trigonometry; matrices and systems of equations; conic sections; and sequences and series.

MTH402 – Honors Pre-calculus & Analytic Geometry

Credits: 1.00

Grades: 10-12

Prerequisite: MTH302 and Teacher recommendation

This college-prep course includes much of the content of Pre-calculus as well as additional topics including trigonometry. Material will be covered more in depth and at a rigorous pace as compared to Pre-calculus. This course is recommended for students that plan on taking AP Calculus.

MTH501 – AP Calculus AB

Credits: 1.00

Grades: 11-12

Prerequisites: MTH401 or MTH402

College Credit: AP

This is a college-level course equivalent to a first semester Calculus I course, covering the major topics of limits, derivatives, and integrals, as well as other topics specified in The College Board Advanced Placement AP Calculus course description. It has a rigorous college-level curriculum that is paced to prepare students for the AP Calculus AB Exam given in May. Students who score high enough on the AP Exam in the spring can earn college credit and/ or advanced placement at the college they attend in the fall.

MTH502 – AP Statistics

Credits: 1.00

Grades: 11-12

Prerequisites: MTH302 or MTH301 and Teacher Recommendation

College Credit: AP

This is a college-level course intended for students that intend to study in a science, social science, medical or business-related field in college. AP Statistics introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. A strong emphasis is placed upon student ability to communicate mathematics in written form. Students who successfully complete the course and the AP Statistics examination in May, may receive credit, advanced placement, or both for a one-semester introductory college statistics course.

MTH503 – AP Calculus BC

Credits: 1.00

Grades: 11-12

Prerequisites: Students must have completed MTH501 – AP Calculus AB; with teacher recommendation.

College Credit: AP

AP Calculus BC is roughly equivalent to both first and second semester college calculus courses, covering differential and integral calculus, sequences and series, and other topics as specified in the College Board AP Calculus BC course description. It has a rigorous college-level curriculum that is paced to prepare students for the AP Calculus BC exam given in May. Students who score high enough on the AP exam in the spring can earn college credit and/or advanced placement at the college they attend in the fall.



MUSIC

Department Course Offerings (Freshman Year)

MUS104 Percussion Ensemble (E)
MUS105 Music Appreciation (E)
MUS201 Red & White Concert Band (E)
MUS202 Panther Concert Band (E)
MUS203 Orchestra (E)
MUS204 Concert Choir (E)
MUS304 Treble Choir (E)
MUS305 Vocal Ensemble (E)
MUS308 Intro to Music Theory (E)
FRESHMAN YEAR



MUSIC

Department Course Offerings (Sophomore — Senior Year)

MUS104 Percussion Ensemble (E)

MUS105 Music Appreciation (E)

MUS201 Red & White Concert Band (E)

MUS202 Panther Concert Band (E)

MUS203 Orchestra (E)

MUS204 Concert Choir (E)

MUS301 Honors Wind Ensemble (E)

MUS302 Contemporary Commercial Music (CCM) (E)

MUS303 Jazz Ensemble (E)

MUS304 Treble Choir (E)

MUS305 Honors Vocal Ensemble (E)

MUS306 Theater Technology (E)

MUS308 Intro to Music Theory (E)

MUS501 AP Music Theory (E)

SOPHOMORE YEAR

JUNIOR YEAR

SENIOR YEAR

MUS104 – Percussion Ensemble

Credits: 0.50

Grades: 9-12

All percussionists enroll in this class first semester followed by MUS201 or MUS202 second semester. This class reinforces percussion technique including: timpani, snare, keyboards, and Latin and African percussion. This ensemble is the drum section for the Guardsmen and will perform at all band concerts.

MUS105 – Music Appreciation

Credits: 0.50

Grades: 9-12

This course is designed to increase the student's awareness, knowledge, enjoyment and interest in diverse styles of music by applying listening opportunities, discussion, research, lectures and assigned readings. Styles include early musical forms, classical music and American jazz, as well as modern traditions including gospel, folk, soul, blues, Latin rhythms, rock and roll, and hip hop. Students do not need to have a musical background in order to succeed in class.

MUS201 – Red and White Concert Band

Credits: 1.00

Grades: 9-12

Class open to student 9-12 who play a woodwind or brass instrument. This class will be combined with the Wind Ensemble to form the Marching Band 1st quarter. Second semester the course is also open to all percussionists who took Percussion Ensemble during the first semester.

MUS202 – Panther Concert Band

Credits: 1.00

Grades: 9-12

Class open to student 9-12 who play a woodwind or brass instrument. This class will be combined with the Wind Ensemble to form the Marching Band 1st quarter. Second semester the course is also open to all percussionists who took Percussion Ensemble during the first semester.

MUS203 – Orchestra

Credits: 1.00

Grades: 9-12

This course is open to all students 9-12 who play guitar, violin, viola, cello, or bass. Music studied will include classical and contemporary works. Previous experience is NOT required.

MUS204 – Concert Choir

Credits: 1.00

Grades: 9-12

Concert choir is a performance based ensemble open to students interested in singing. Repertoire of vast varieties will be performed: classical to popular music. The Choir competes at the local level.

MUS301 – Honors Wind Ensemble

Credits: 1.00

Grades: 10-12

Prerequisites: audition and selection

This advanced band class studies band literature above grade 4. Students will be placed based on seating audition score and instructor approval. This course will combine with concert bands to form the Guardsmen marching band. **Please note: only 1 Laude Pt will be earned no matter how many times the student is enrolled in the course.*

MUS303 – Jazz Ensemble

Credits: 0.50

Grades: 10-12

This is a performance based class. Students will experience big band swing, jazz, rock, ballad and Latin music. The history of Jazz as well as improvisation will also be studied.

MUS304 – Treble Choir

Credits: 1.00

Grades: 9-12

Prerequisites: Teacher Approval

Treble Choir is a specialized ensemble for females, focused on superior performance and will compete at the local, state and national levels. The purpose of this choir is to further develop professionalism, musicianship and vocal mastery to the fullest potential.

MUS305 – Honors Vocal Ensemble

Credits: 1.00

Grades: 9-12

Prerequisites: Audition

Honors Vocal Ensemble is the most advanced performance based choir. This ensemble studies a vast range of music from Renaissance to Contemporary. Along with performing at various locations, the Vocal Ensemble competes at the local, state and national level. **Please note: only 1 Laude Pt will be earned no matter how many times the student is enrolled in the course.*

MUS306 – Theater Technology

Credits: 0.50

Grades: 10-12

The students will work with sound reinforcement, staging, and lighting. This course requires after school participation to meet practicum requirements.
Course Syllabus: Theater Tech

MUS308 – Intro to Music Theory

Credits: 0.50

Grades: 9-12

This class is designed for students who wish to enrich their understanding of musical fundamentals. Students will develop skills that lead to an understanding of music theory, composition, and arranging. Tools used include piano keyboard and guitar provided by the school.

MUS309 – Contemporary Commercial Music (CCM)

Credits: 1.0

Grades: 10, 11, 12

Prerequisites: Audition only; instructor approval

Pentatonix? Take 6? The Sing-off? Pitch-Perfect? Do you recognize these names? Now you can be in a group and sing the same songs and styles. Join “Wilmot’s Key Change” and be part of a new era.
Audition only.

MUS501 - AP Music Theory

Credits: 1.00

Grades: 10, 11, 12

Prerequisites: MUS308 and Instructor Approval

This course is designed 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. Students will be required to read, notate, write, sing and listen to music, while completing assignments that contain sight-singing, dictation, and analysis of musical excerpts. The course will include concepts that will allow students to be successful when taking the AP Music Theory exam. Some of these concepts include: musical terminology, notational skills, basic compositional skills, score analysis, and aural skills.



PHYSICAL EDUCATION/ HEALTH

Department Course Offerings (Freshman Year)

PHY101 Physical Education I (R)
HLT101 Health Education (R)
FRESHMAN YEAR

Wilmot Union High School Graduation Requirement: 1.5 Physical Education Credits/ 0.5 Health Education Credits

R = Required course at indicated grade level

E = Elective course at indicated grade level



PHYSICAL EDUCATION AND HEALTH

PHY202 Unified Physical Education (E)

PHY203 Total Body Fitness I (E)

PHY204 Total Body Fitness II (E)

PHY205 Trends I (E)

PHY206 Team Sports I (E)

PHY306 Team Sports II/Officiating (E)

PHY307 Individual and Recreational Activities I (E)

PHY308 Individual and Recreational Activities II (E)

PHY403 Intro to Weight Training (E)

PHY404 Weight Training II (E)

PHY405 Weight Training III (E)

SOPHOMORE YEAR

JUNIOR YEAR

SENIOR YEAR

Wilmot Union High School Graduation Requirement: 1.5 Physical Education Credits/ 0.5 Health Education

R = Required course at indicated grade level E = Elective course at indicated grade level

DPI Standard P requires that at least 1.5 credits of physical education, incorporating effects of exercise, health-related fitness, and lifetime activities must be earned in grades 9-12.

These credits must be earned over three separate years.

PHY101 – Physical Education I

Credits: 0.50

Grades: 9

Developing and maintaining personal fitness throughout one's life begins with knowledge. Major concepts related to physical activity and fitness are presented in a format that equips the student with useful strategies to improve individual fitness. Specific activities are geared to assess and/or grasp major concepts crucial to establishing and maintaining lifelong fitness. Major concepts will be reinforced by the student actively participating in the Fitness Center which will include aerobic and anaerobic activities. Several sport and recreational activities will be incorporated into this required course: eclipseball, flag football, softball, table tennis, baggo, badminton, floor hockey, and soccer. Fitness units will include aerobics with the use of heart monitors, weight lifting and yoga. Many of the Wisconsin Model Academic Standards for Physical Education are met upon successful completion of this course.

PHY202 - Unified Physical Education

Credits: 0.50

Grades: 10-12

Prerequisites: PHY101

This course combines students of all abilities to participate in developmentally appropriate activities including lifetime activities, physical fitness, and sport. Students will work together to increase competence and confidence in a variety of physical activities. Through ongoing leadership opportunities, members of this course will be empowered to help create a more inclusive and accepting school environment for all students. Repeatable for credit per teacher recommendation.

PHY205 - Total Body Fitness I

Credits: 0.50

Grades: 10-12

Prerequisites: PHY101

This course is designed to introduce the student to a wide variety of health enhancing physical fitness activities. Activities will include both anaerobic and aerobic workouts. Such activities will include proper lifting techniques, performing bodyweight exercises, cardiovascular workouts (treadmill, bike, elliptical, track), and high intensity cross-fit circuit workouts.

PHY206 - Total Body Fitness II

Credits: 0.50

Grades: 10-12

Prerequisites: PHY101, PHY205

This course is designed to build on the wide variety of health enhancing physical fitness activities the students learned in TBF I. Activities will include both anaerobic and aerobic workouts. Such activities will include proper lifting techniques, performing bodyweight exercises, cardiovascular workouts using the heart rate monitors (treadmill, bike, elliptical, track), and high intensity cross-fit circuit workouts. Students will also learn the major muscles of the body and create a personal workout plan utilizing that knowledge.

PHY207 – Trends I

Credits: 0.50

Grades: 10-12

Prerequisites: PHY101

Trends I is a course designed for students interested in individual and group movements. Some of the activities that are covered through this course might include: Pilates, Zumba, yoga, hip hop dance, aerobics, and introductory level dance. This course will also cover components of Target Heart Rate, nutrition, flexibility, muscular strength, cardiovascular endurance, kinesthetic rhythm and teamwork. This course is designed for students who enjoy working collaboratively with others and are willing to take workouts in a creative direction.

PHY208 - Team Sports I

Credits: 0.50

Grades: 10-12

Prerequisites: PHY101

Team Sports is an elective physical education course designed for students who have successfully completed PHY ED 101. This course will cover seven major team sports. The possible sports are basketball, flag football, volleyball, soccer, floor hockey, softball and team handball. The Team Sports course will incorporate ALL areas of the sport from participation, scorebook keeping, to coaching. Out of the class reading, of the rules and regulations of each sport, should be expected. Students electing to take the Team Sports course should enjoy participating in competitive sports and want to learn all facets of the sports.

PHY306 - Team Sports II/Officiating

Credits: 0.50

Grades: 11-12

Prerequisites: PHY101 and PHY208

Team Sports is an elective physical education course designed for students who have successfully completed PHY ED 101 and PHY ED 301 Team Sports I. The possible sports units are basketball, flag football, volleyball, soccer, floor hockey, softball, ultimate frisbee and handball. The Team Sports course will incorporate ALL areas of the sport from participation, scorebook keeping, coaching and officiating. Students will also complete WIAA certification to referee basketball, volleyball, soccer, softball/baseball and/or a sport of their choice. Approximately 50% of coursework will be in the classroom where students are expected to read the rules and regulations of each sport and to work with others to prepare for exams. Students electing to take the Team Sports course should enjoy participating in competitive sports and want to learn all facets of the sports. Certifications offered in this course: CPR and Sports Officials.

PHY307 - Individual and Recreational Activities I

Credits: 0.50

Grades: 10-12

Prerequisites: PHY101

Individual and Recreational Activities I is an elective physical education course for students that have successfully completed PHY101. Individual and Recreational Activities I is a class that focuses on activities that students can play throughout their lifetime. It will address the basic rules of play, scoring and safety. Sports to be covered will consist of, but are not limited to the following. Badminton, Volleyball, Pickle Ball, Archery, Horse Shoes, Baggo, Ladder Toss, Power walking, Aerobics, etc. This class will also involve the use of the fitness center for cardio and weight training. The students will be tested on the basic rules for safety and game play. They will also be evaluated on a daily basis on their ability to play the sports/activities to an acceptable level of competitiveness. Heart rate monitors will be utilized during workouts and some activities to track cardiovascular health.

PHY308 - Individual and Recreational Activities II

Credits: 0.50

Grades: 10-12

Prerequisites: PHY101 and PHY307

Individual and Recreational Activities II is an elective physical education course for students that have completed PHY101 and PHY307. Individual and Recreational Activities II will be a class that takes activities that students can play for a lifetime, to the next level. This class will challenge the students to adapt sports and games to accommodate different class sizes, available space, and differing abilities. The students will have to know the specific rules, scoring, and safety aspects of the sports/activities. The students will be asked to invent a game or activity, as well as, adapt an activity for a specific situation. The students will also create a personal fitness program involving cardio and weight training. Students will track their cardiovascular health through the use of a heart rate monitor during workouts and class activities. Individual and Recreational Activities II will enhance the student's problem solving skills as well as their critical thinking skills through the use of sports.

PHY403 - Intro to Weight Training

Credits: 1.00

Grades: 10-12

Prerequisites: PHY101

This course is designed to introduce the student to a wide variety of health enhancing physical fitness activities. Activities will include both anaerobic and aerobic workouts. Such activities will include proper lifting techniques, performing bodyweight exercises, cardiovascular workouts that stress proper running techniques. Major lifts will include, Bench press, Back and Front Squat, Push Press, Rows, Deadlift and Cleans.

PHY404 - Weight Training II

Credits: 1.00

Grades: 11-12

Prerequisites: PHY101 and PHY403

This course is designed to further the student's knowledge on basic and complex lifts. Activities will include both anaerobic and aerobic workouts. Such activities will include proper lifting techniques, performing bodyweight exercises, cardiovascular workouts that stress proper running technique and speed and agility training. Major lifts will include, Bench press, Back and Front Squat, Push Press, Rows, Deadlift, Cleans and Overhead snatch. Students will also learn the major muscles of the body and how they impact movement.

PHY405 - Weight Training III

Credits: 0.50

Grades: 11-12

Prerequisites: PHY01, PHY403 and PHY404

This course is designed to further the student's knowledge on basic and complex lifts. Activities will include both anaerobic and aerobic workouts. Such activities will include proper lifting techniques, performing bodyweight exercises, cardiovascular workouts that stress proper running technique and speed and agility training. Major lifts will include, Bench press, Back and Front Squat, Push Press, Rows, Deadlift, Cleans and Overhead snatch. Students will learn how all the muscles of the body impact movement and how to aid recovery and maintenance of the muscles.

HLT101 – Health Education

Credits: 0.50

Grades: 9

Health is a one semester course that is required for graduation. This course emphasizes the promotion of positive lifestyle behaviors and the importance of good decision making skills in relationship to a variety of health content areas. These areas include: nutrition, stress management, first aid, tobacco, alcohol and substance abuse, health skills, and AIDS/HIV and human growth and development.



SCIENCE

Department Course Offerings (Freshman Year)

SCI102
Biology (R)

SCI103
Honors Biology (E)

SCI104
Principles of the Biomedical Sciences (E)

FRESHMAN YEAR

Wilmot Union High School Graduation Requirement: 3 Science Credits

R = Required course at indicated grade level

E = Elective course at indicated grade level



SCIENCE

Department Course Offerings (Sophomore — Senior Year)

SCI104 Principles of the Biomedical Sciences (PLTW) (E)

SCI205 Chemistry (R)

SCI206 Honors Chemistry (E)

SCI207 Human Body Systems (PLTW) (E)

SCI208 Geology & Astronomy (E)

SCI209 Oceanography & Climatology (E)

SCI301 Environmental Science (E)

SCI303 Physics (E)

SCI306 Honors Physics (E)

SCI307 Forensic Science (E)

SCI308 Medical Interventions (PLTW) (E)

SCI501 AP Biology (E)

SCI502 AP Physics (E)

SCI401 Biomedical Innovations
(PLTW) (E)

SCI506 AP Chemistry (E)

Wilmot Union High School Graduation Requirement: 3 Science Credits

R = Required course at indicated grade level E = Elective course at indicated grade level

SCI102 – Biology

Credits: 1.00

Grades: 9

There are five life science topics in the Next Generation Science Standards (NGSS) for the high school level: Structure and Function/ Inheritance and Variation of Traits, Matter and Energy in Organisms and Ecosystems/ Interdependent Relationships in Ecosystems/ Natural Selection and Evolution.

SCI103 – Honors Biology

Credits: 1.00

Grades: 9

Honors Biology will delve deeper into the topics outlined in Biology: Structure and Function/ Inheritance and Variation of Traits, Matter and Energy in Organisms and Ecosystems/ Interdependent Relationships in Ecosystems/ Natural Selection and Evolution. Placement is based on reading level, performance in previous science courses, teacher recommendation and overall academic achievement.

SCI104 – Principles of the Biomedical Sciences

Credits: 1.00

Grades: 9-12

College Credit: PLTW

Whether seeking a career in medicine or healthcare or simply looking for the challenge of real-world problems, students in Principles of Biomedical Science will practice how to think creatively and critically to innovate in science and gain practical experience tackling real-world challenges faced by biomedical professionals in the field. Principles of Biomedical Science is a full-year high school course in the PLTW Biomedical Science program. This course serves to provide foundational knowledge and skills in fields such as biology, anatomy and physiology, genetics, microbiology, and epidemiology, as well as engage students in how they can apply this content to real-world situations, cases, and problems such as solving a medical mystery case, diagnosing and treating a patient, or responding to a medical outbreak. Students develop not just technical skills, but also in-demand, transportable skills – including problem solving, critical and creative thinking, collaboration, communication, and ethical reasoning – that they need to thrive in life and career.

SCI205 – Chemistry

Credits: 1.00

Grades: 10-12

An introductory course in the physical sciences (NGSS) focusing on the structure and properties of matter and chemical reactions. Student performance expectations will focus on developing and using models, planning and conducting investigations, analyzing and interpreting data, using mathematical and computational thinking, and constructing explanations; and to use these practices to demonstrate understanding of the core ideas.

SCI206 – Honors Chemistry

Credits: 1.00

Grades: 10-12

Prerequisite: SCI103 or Teacher Recommendation

Honors Chemistry is more rigorous in content than chemistry but will still focus on the structure and properties of matter and chemical reactions. Students will cover more material and in greater depth with mathematics playing a central role in the class. Student performance expectations will focus on developing and using models, planning and conducting investigations, analyzing and interpreting data, using mathematical and computational thinking, and constructing explanations; and to use these practices to demonstrate understanding of the core ideas. This course is recommended for college bound students. Students enrolled in Honors Chemistry are encouraged to take AP Chemistry their Jr. or Sr. year.

SCI207 – Human Body Systems

Credits: 1.00

Grades: 10-12

Prerequisites: SCI104 or Teacher Recommendation

College Credit: PLTW

Students who are interested in anatomy and physiology will examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis in the body. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through engaging real-world cases

and play the roles of biomedical professionals to solve medical mysteries.

SCI208 – Geology and Astronomy

Credits: 0.50
Grades: 10-12

In this course, two primary disciplines of Earth science are covered in one semester. In geology, students will learn about the forces that shape the Earth, the composition of soil, rocks and minerals, plate tectonics, and fossil evidence that supports the evolution of the Earth. Astronomy focuses on many aspects of the universe, theories about how the universe was created, the effect of the Moon on the Earth, current studies in space and other related topics. This course is offered for the fall semester.

SCI209 – Oceanography and Climatology

Credits: 0.50
Grades: 10-12

This course focuses on two distinct areas of Earth science. Oceanography emphasizes the physical and chemical properties of salt water environments, the structure of the ocean floor, life within the ocean, as well as environmental impacts and current research. In addition, similar topics will be covered for other bodies of water. Climatology will explore the effects of ocean currents, how to read and interpret weather maps, how to identify natural weather events, research on past weather events and weather forecasting technologies. This course is offered for the spring semester.

SCI301 – Environmental Science

Credits: 1.00
Grades: 11-12

This is a year-long course of study where students will develop an understanding and appreciation of the ecosystem we live in focusing on the relationship between living organisms and their environment. Course material will include environmental issues the world currently faces. It will discuss population, energy, pollution, and the historical environmental movement. Labs will include water studies and horticulture; the practice of plant cultivation and management. This course is recommended for students who have an interest in the environment and/or are pursuing a career in the biological or environmental sciences.

SCI303 – Physics

Credits: 1.00
Grades: 10-12

Physics is a part of the core science curriculum (Next Generation Science Standards/NGSS) and is recommended for college bound students, as well as any student with an interest in the physical world and how things work. The course of study includes forces and interactions, energy, and waves and electromagnetic radiation. The approach in this course is “concepts first” with fewer mathematical applications than in Honors Physics.

SCI306 – Honors Physics

Credits: 1.00
Grades: 10-12

This is a yearlong course and part of the Honors science sequence. Honors Physics will help to better prepare students for success in AP Physics and uses more mathematical applications than Physics. This course is recommended for college bound students.

SCI307 – Forensic Science

Credits: 0.50
Grades: 11-12

This course is designed to provide students with a basic theoretical and philosophical understanding of the investigatory process. Crime-solving techniques will be studied, as well as hands-on laboratory investigations in areas of physical and biological evidence such as: hair and fiber, fingerprinting, DNA, forensic anthropology, forensic serology, and counterfeiting.

SCI308 – Medical Interventions

Credits: 1.00
Grades: 11-12
Prerequisites: PBS, HBS, Teacher Recommendation
College Credit: PLTW

This is the third of four courses in the Biomedical Sciences program. Students investigate a variety of interventions involved in the prevention, diagnosis and treatment of disease as they follow the life of a fictitious family. Through these scenarios, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices and diagnostics. This course is designed for 11th or 12th grade students.

SCI401 – Biomedical Innovations

Credits: 1.00

Grades: 12

Prerequisites: PBS, HBS, MI, Teacher Recommendation

College Credit: PLTW

This is the capstone course for the Project Lead the Way, Biomedical Sciences program. In this year-long course, students design innovative solutions for the health challenges of the 21st century. They work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering and public health. They have the opportunity to work on an independent project with a mentor or advisor from a university, hospital research institution or the biomedical industry. Throughout the course, students are expected to present their work to an audience of STEM professionals.

SCI501 – AP Biology

Credits: 1.00

Grades: 11-12

College Credit: A/AP

AP Biology is a college level course. Students have the opportunity to earn university credit or advanced standing at most of the nation's colleges or universities. Main subject areas covered are: chemistry of life, cells, heredity, genetics, evolution, organism diversity, structure and function of plants and animals, and ecology. Extensive laboratory experiences will require additional time put in by the student. Students who successfully pass the AP Biology test in May may receive college credit.

SCI502 – AP Physics

Credits: 1.00

Grades: 11-12

Prerequisites: SCI303 or SCI306

College Credit: A/AP

AP Physics is designed to be equivalent to the first semester of a college physics course. This course emphasizes mastery of physics concepts, vocabulary, problem solving, and laboratory skills. Students will learn all mechanics topics including motion, force, gravity, energy, momentum, and rotation. Students will learn more modern topics including waves, static electricity, and current electricity. Students will have the opportunity to complete hands on laboratory

activities for each of these topics. The advanced problem solving techniques require students to have strong understanding of Algebra 2 and Pre-Calculus skills.

SCI506 – AP Chemistry

Credits: 1.00

Grades: 11-12

College Credit: A/AP

AP Chemistry is a rigorous course that is designed to be equivalent to an introductory, college-level Chemistry course. Students will develop problem solving, laboratory and collaborative skills. Instruction will be provided via lecture, laboratory activities, discussions and small group work. In addition, students' independent study of each unit is critical to their success. Major topics include a review with additional depth of all of the topics of General Chemistry, as well as a study of thermochemistry and thermodynamics, kinetics, equilibria in gas and aqueous phases, oxidation/reduction, acids and bases, and electrochemistry. The rigorous nature of the course requires that students have a strong understanding of Honor Chemistry and Algebra II/Trigonometry. General Chemistry students may take AP Chemistry with instructor approval. Students will have the opportunity to earn college credit by taking the AP exam in May.



SOCIAL SCIENCES

Department Course Offerings (Freshman Year)

SOC101
Civics (R)

SOC102
Global Studies (E)

SOC505
AP Human Geography (E)

FRESHMAN YEAR

Wilmot Union High School Graduation Requirement: 3 Social Studies Credits



SOCIAL SCIENCES

Department Course Offerings (Sophomore — Senior Year)

SOC201 World History (R)

SOC202 Current Events through Multiple Perspectives (E)

SOC301 U.S. History (R)

SOC302 Wisconsin History (E)

SOC305 Sociology (E)

SOC306 Psychology (E)

SOC312 Academic Decathlon (E)

SOC313 Introduction to Human Development (E)

SOC401 Economics (R)

SOC501 AP U.S. History (E)

SOC502 AP Psychology (E)

SOC503 AP Economics (E)

SOC504 AP World History: Modern (E)

SOC505 AP Human Geography (E)

SOPHOMORE YEAR

JUNIOR YEAR

SENIOR YEAR

Wilmot Union High School Graduation Requirement: 3 Social Studies Credits

SOC101 – Civics

Credits: 0.50

Grades: 9

This required semester long course taken during the freshman year, covers the basics of our government and its role in our society. Students will learn the structure of the U.S. Government and how it operates so that they will become informed citizens who participate in our democratic system. State mandate now requires students to take a citizenship test.

SOC102 – Global Studies

Credits: 0.50

Grades: 9-12

This semester long course studies man's relation to earth around the world. Regional studies of the world's issues, cultures, and geography will enable students to better understand their relationship to the rest of the world in the global society of the 21st century. Asia, Africa, Europe, and Latin America will be compared and contrasted to the U.S. to provide a context and a greater relevance for the student.

SOC201 – World History

Credits: 1.00

Grades: 10

This required two-semester course taken during the sophomore year, covers the geographical, religious, achievements, political, economic and social impacts (GRAPES) of major civilizations throughout history from the industrial revolution to the present. Some specific topics include world religions, WWI and WWII, revolution, Cold War and current Middle East hot spots.

AP World History fulfills the SOC201 World History requirement

SOC202 – Current Events through Multiple Perspectives

Credits: 0.50

Grades: 10-12

Explore present day events through the lens of various perspectives with the purpose of better understanding the point of view of diverse populations. The course will explore the connection between current events and historical background.

SOC301 – U.S. History

Credits: 1.00

Grades: 11

This required two semester course taken during the junior year, covers the history of the United States from colonization to the present. Physical and cultural geography is also addressed in this course. 20th century history is the emphasis of the 2nd semester.

AP U.S. History fulfills the SOC301 U.S. History requirement

SOC302 – Wisconsin History

Credits: 0.50

Grades: 11-12

This semester course taken during the junior or senior year, introduces students to the study of the processes, peoples and events that have shaped the history of our state including Native American history and culture within our borders. The course also introduces students to the structure, functions and operations of state, county and municipal governments in Wisconsin.

SOC305 – Sociology

Credits: 0.50

Grades: 11-12

This semester course taken during the junior or senior year, introduces the systematic and scientific study of human group behavior. Topics covered include sociological theory, culture, group behaviors, social structure and institutions. This course is designed to prepare students for an introductory college sociology class.

SOC306 – Psychology

Credits: 0.50

Grades: 10 -12

A semester course that will help any student become familiar with the principles of psychology for both daily life and college. Content includes the methodology used to study psychology, neuroscience, personality development, abnormal behavior, and associative learning. This is a Social Studies elective open to all sophomores, juniors, and seniors. This course is not a prerequisite to AP Psych.

SOC312 – Academic Decathlon

Credits: 0.50 each semester

Grades: 10-12

This two semester course is geared for anyone (grades 10-12) who is inclined to make the school's Academic Decathlon team. Students with all grade point averages are encouraged to take this class as the team must be made up of students with varying GPA's. The curriculum is dictated by the United States Academic Decathlon and the overall theme changes annually. The theme is usually announced in March. Though the theme may change, the format of the class is structured the same every year. Students will study for tests in Literature, Economics, Math, Art, History, Science, and Music. Students will also prepare speeches, write essays, and be interviewed. First and second semester will vary widely due to the fact that the second semester is geared toward the people who make the team, but not limited to these students. Students will be graded mostly on their testing scores, essays and speech. Academic Decathlon class is a wonderful way to learn how to prepare for college. Many different learning techniques are practiced and explored. (Students may register for one or both semesters)

SOC313 – Introduction to Human Development

Credits: 0.50

Grades: 10-12

College Credit: T

Students will be educated on basic concepts of lifespan development using cognitive, biosocial, and psychosocial domains. Theorists to be studied include but are not limited to Piaget, Kohlberg, Vygotsky and Erikson. Empirical research will be evaluated and used to explore the science of human development. This course is a practical field for teaching, parenting, and any other career that interacts with people. Students will be encouraged to think scientifically and critically about the topics covered and identify ways to apply their knowledge of human development to their everyday lives and future. This course is aligned with Educational Foundations 230: Introduction to Human Development at UW-Whitewater.
College Credit: T

SOC401 – Economics

Credits: 0.50

Grades: 10-12

This required semester course taken during the senior year explores the roles of consumers and producers and their interactions. The study and understanding of scarcity is central to the economic problem, which is, how people try to satisfy their unlimited wants with limited resources. Students will explore topics that concern how individuals, firms, and entire economies make decisions. A study of supply and demand and the way they function to determine prices, resource allocation, and income distribution will be included. Interpreting economic indicators and business cycles will also be discussed. Necessary skills include basic computation, graphical analysis and critical thinking.

AP Economics fulfills the SOC401 Economics requirement

SOC501 – AP U.S. History

Credits: 1.00

Grades: 11-12

Prerequisites: SOC201

College Credit: AP

This two semester course can be taken during the junior, or senior year and fulfills the U.S. History requirement. This course follows the general outline provided by the Educational Testing Service and College Board, which creates the Advanced Placement examination. Students admitted to the course are expected to take the Advanced Placement examination in May. Successful completion of this exam could result in earning college credits while in high school that will transfer to any UW system school and most other universities. This is a college level history course taught to highly motivated students. The expectation is that students will assume responsibility for completing heavy reading and writing assignments. Topics to be covered will appear in chronological order beginning with 1491 and moving to present-day. Summer homework required.

AP U.S. History fulfills the SOC301 U.S. History requirement

SOC502 – AP Psychology

Credits: 1.00

Grades: 10-12

College Credit: AP

This two semester course can be taken during the sophomore, junior, or senior year. This course follows the general outline provided by the Educational Testing Service and College Board, which creates the Advanced Placement examination. Students admitted to the course are expected to take the Advanced Placement examination in May. Successful completion of this exam could result in earning college credits while in high school that will transfer to any UW system school and most other universities. This is a college level psychology course taught to highly motivated students. The expectation is that students will assume responsibility for completing heavy reading and writing assignments.

SOC503 – AP Economics

Credits: 1.00

Grades: 10-12

College Credit: AP

This two semester course can be taken during the sophomore, junior, or senior year and fulfills the Economics requirement. Students will cover both microeconomics and macroeconomics. This course follows the general outline provided by the Educational Testing Service and College Board, which creates the Advanced Placement examination. Students admitted to the course are expected to take both of the Advanced Placement examinations in May. Successful completion of this exam could result in earning college credits while in high school that will transfer to any UW system school and most other universities. This is a college level economics course taught to highly motivated students. Topics to be covered for micro include: basic economic concepts, the nature and functions of product markets, factor markets, and market failure and the role of government. Topics to be covered for macro include: basic economic concepts, measurement of economic performance, national income and price determination, the financial sector, inflation, unemployment and stabilization policies, economic growth and productivity and open economy: international trade and finance.

SOC504 – AP World History: Modern

Credits: 1.00

Grades: 10-12

Prerequisites: SOC504

College Credit: AP

This two semester course can be taken during the sophomore through senior year and fulfills the World History requirement. This course follows the general outline provided by the Educational Testing Service and College Board, which creates the Advanced Placement examination. Students admitted to the course are expected to take the Advanced Placement examination in May. Successful completion of this exam could result in earning college credits while in high school that will transfer to any UW system school and most other universities. This is a college level history course taught to highly motivated students. The expectation is that students will assume responsibility for completing heavy reading and writing assignments. The purpose of this course is to develop a greater understanding of the evolution of global processes and contacts in different types of human societies beyond Western Civilization. Topics to be covered will appear in chronological order beginning with a period before 1200 C.E., with most emphasis in AP work 1200 to the present. Summer homework.

AP World History fulfills the SOC201 World History requirement

SOC505 – AP Human Geography

Credits: 1.00

Grades: 9-12

College Credit: AP

This two semester course can be taken during freshman through senior year and fulfills the Global Studies requirement. This course follows the general outline provided by the Educational Testing Service and College Board, which creates the Advanced Placement examination. Students admitted to the course are expected to take the Advanced Placement examination in May. Successful completion of this exam could result in earning college credits while in high school that will transfer to any UW system school and most other universities. This is a college level history course taught to highly motivated students. The expectation is that students will assume responsibility for completing heavy reading and writing assignments. The purpose of this course is to introduce students to the systematic study of

patterns and processes that have shaped human understanding, use and alteration of the Earth's surface. Students will employ spatial concepts, landscape analysis and the tools and methods geographers use in their science and practice.



TECHNOLOGY & ENGINEERING

Department Course Offerings (Freshman Year)

TAE101 Woodworking I (E)
(additional lab fee, based on materials)

TAE103 Drafting I/AutoCAD (E)

TAE105 General Metals (E)
(additional lab fee, based on materials)

TAE106 Power Mechanics (E)
(additional lab fee, based on materials)

TAE107
Introduction to Engineering Design
(PLTW) (E)

TAE202 Drafting II/AutoCAD (E)

TAE302 Architectural Drafting &
Design (E)

FRESHMAN YEAR



TECHNOLOGY & ENGINEERING

Department Course Offerings (Sophomore – Senior Year)

TAE101 Woodworking I (E) (additional lab fee, based on materials)

TAE103 Drafting I/AutoCAD (E)

TAE105 General Metals (E)
(additional lab fee, based on materials)

TAE106 Power Mechanics (E) (additional lab fee, based on materials)

TAE107 Introduction to Engineering Design (PLTW) (E)

TAE202 Drafting II/AutoCAD (E)

TAE204 Woodworking II (E) (additional lab fee, based on materials)

TAE205 Welding: MIG/TIG (E)

TAE206 Machining & Fabrication (E) (additional lab fee, based on materials)

TAE207 Principles of Engineering (PLTW) (E)

TAE208 Welding: Stick/Oxy Fuel (E)

TAE209/MTH 204 Geometry/Cons.

TAE300 Digital Electronics (PLTW) (E)7.50

TAE301 Advanced Drafting/AutoCAD (E)

TAE302 Architectural Drafting & Design (E)

TAE303 Cabinet & Furniture Design & Construction (E) (add lab fee, based on materials)

TAE304 Advanced Metals (E)

TAE305 Consumer Automotive (E)

TAE306 Building Construction I (E)

TAE401 Adv. Cabinetmaking & Furniture Design (lab fee, based on mat.)

TAE402 Building Construction II (E)

TAE403 Automotive Service Fundamentals (E)

TAE404 Automotive Electrical & Electronic Systems (E)

TAE405 Civil Engineering & Architecture (PLTW) (E)

TAE406 Engineering Design & Development (PLTW) (E)

SOPHOMORE YEAR

JUNIOR YEAR

SENIOR YEAR

R = Required course at indicated grade level E = Elective course at indicated grade level

TAE101 – Woodworking I*

Credits: 0.50

Grades: 9-12

*Course requires additional lab fee

This semester long course is designed to teach students proper use of hand, cordless, portable, and stationary power tools with a strong emphasis on safety. Students will learn how to use layout tools and measure accurately using standard feet and inches. Each student will use these skills and tools to produce a minimum of three projects accurately according to a bill of materials, step by step procedures, and working drawings. Students will benefit from this class by learning many basic woodworking concepts that are used in trades and industrial careers.

TAE103 – Drafting I / AutoCAD

Credits: 0.50

Grades: 9-12

A semester course that introduces the student to drafting fundamentals. Concepts in mechanical drafting include single, multi-view, and isometric drawings. Computer-Aided Drafting (CAD) is incorporated into this beginning drafting class.

TAE105 – General Metals*

Credits: 0.50

Grades: 9-10

*Course requires additional lab fee

A semester long course introducing students to metal working and fabrication techniques. Students will study safety, while using hand and machine tools, metallurgy, sheet metal and bench metal fabrication, and fastening techniques.

TAE106 – Power Mechanics*

Credits: 0.50

Grades: 9-12

*Course requires additional lab fee

College Credit: T

A semester long course designed to develop an understanding of internal combustion engine systems. Tools, terms, and engine rebuilding techniques will be examined. Students will study engine theory in the classroom, and put that theory into practice in the lab area. Students will rebuild a

lawnmower engine, which they must furnish, during the semester.

TAE107 – Introduction to Engineering Design (PLTW)

Credits: 1.00

Grades: 9-12

College Credit: T/PLTW

Designed for 9th or 10th grade students, the major focus of IED is the design process and its application. Through hands-on projects, students apply engineering standards and document their work. Students use industry standard 3D modeling software to help them design solutions to solve proposed problems, document their work using an engineer's notebook, and communicate solutions to peers and members of the professional community. This is the prerequisite for Principles of Engineering (POE).

Students can also receive college credit from Gateway Technical College.

TAE202 – Drafting II / AutoCAD

Credits: 0.50

Grades: 9-12

Prerequisites: TAE103

A semester course designed to more extensively develop drafting concepts learned in Drafting I. Drafting II uses CAD and Autodesk Inventor extensively to focus on 2D multi-view drawings, isometric drawing, and 3D modeling.

TAE204 – Woodworking II*

Credits: 0.50

Grades: 9-12

*Course requires additional lab fee

Prerequisites: TAE101 – Juniors and Seniors are exempt from pre-requisite with instructor approval

This semester long course is designed to introduce advanced woodworking techniques, machinery, and basic design. Woodworking II will reinforce the vocabulary and techniques presented in Woodworking I, using a hands on experience focusing on building projects while developing craftsmanship. This course allows organized, self-motivated, responsible students to capitalize on the important skills of successful trades people while preparing for more advanced courses of study.

TAE205 – Welding: MIG/TIG

Credits: 0.50

Grades: 10-12

Prerequisites: TAE105

College Credit: T

A semester long course focusing on the methods and technical welding skills used in the manufacturing and construction trades. Students will study and practice Metal Inert Gas (MIG) and Tungsten Inert Gas (TIG) welding processes and procedures. Print reading and welding set-up procedures will also be a focus of this course.

TAE206 – Machining & Fabrication*

Credits: 0.50

Grades: 10-12

*Course requires additional lab fee

Prerequisites: TAE105

A semester course that focuses on the methods and skills used in the metal machining and fabrication industry. Students will study and practice milling, drilling, turning, and grinding techniques. Equipment set up, print reading and precision measurement will also be the focus of this course.

TAE207 – Principles of Engineering (PLTW)

Credits: 1.00

Grades: 10-12

Prerequisites: TAE107–with a grade earned of a C or better.

College Credit: T/PLTW

This is the second level in the Project Lead the Way program. The course helps students understand the field of engineering/engineering technology. Exploring various technology systems and manufacturing processes helps students learn how engineers and technicians use math, science and technology in an engineering problem solving process to benefit people. The course also includes concerns about social and political consequences of technological change. Students can also receive college credit from Gateway Technical College.

TAE208 – Welding: Stick/Oxy Fuel

Credits: 0.50

Grades: 10-12

Prerequisites: TAE105

College Credit: T

A semester long course focusing on the methods and technical welding skills used in the manufacturing and construction trades. Students will study and practice Shielded Metal Arc Welding (stick), oxyacetylene, and plasma cutting. Print reading and welding set-up procedures will also be a focus of this course.

TAE209 & MTH204 - Geometry in Construction

Credits: 2.00

Grades: 10

Prerequisites: MTH201

Geometry in Construction is an interdisciplinary course that combines Geometry with Construction through the building of a significant construction project. The purpose of the course is to provide students an opportunity to learn Geometry by directly applying the concepts to a real world construction project. The students will develop a better understanding of both the Geometry and the Construction content through the combination of the academic and work-world contexts. The Geometry content matches that of the other Geometry courses taught in the Mathematics Department, and prepares students for the subsequent Algebra 2 courses. Students will be exposed to and gain hands-on experience in job site safety and the phases of residential construction. Additional emphasis given to teamwork & problem-solving. Students earn credit for Geometry and Construction in this double-period course co-taught by a Math instructor and a Construction instructor.

TAE300 – Digital Electronics (PLTW)

Credits: 1.00

Grades: 10-12

Prerequisites: TAE107 – Introduction to Engineering Design (PLTW)

College Credit: T/PLTW

A yearlong course in the study of electronic circuits that are used to process and control digital signals. Digital Electronics is the foundation of all modern electronic devices. This course will expose students to the design process of combination and sequential logic design, teamwork, communication methods, engineering standards, and technical documentation. Students can also receive college credit from Gateway Technical College.

TAE301 – Advanced Drafting / AutoCAD

Credits: 0.50

Grades: 11-12

Prerequisites: TAE202

This one semester course is designed for juniors and seniors to apply the skills obtained in Drafting I and II through team design projects. Students will design solutions to given or discovered problems and create 3D assembly models using Autodesk Inventor. Designs will then be 3D printed to further understand part interaction, tolerance, fit, and clearance. Time and complexity permitting, students will then fabricate working prototypes using equipment available in the other Technology and Engineering labs. All designs will require students to create a fully dimensioned complete set of working drawings complying with ANSI drawing standards from which the item could be manufactured.

This course is only available 2nd semester and to juniors and seniors that have taken Drafting I and II or Introduction to Engineering and Design (PLTW).

TAE302 – Architectural Drafting & Design

Credits: 0.50

Grades: 9-12

Prerequisites: TAE103

A semester course that introduces students to the use of Autodesk Revit to create architectural drawings for residential and light commercial construction. Students will learn the basic tools that are provided in Revit as well as how to customize Revit for specific architectural applications.

TAE303 – Cabinet & Furniture Design & Construction*

Credits: 1.00

Grades: 11-12

*Course requires additional lab fee

Prerequisites: TAE204

This year long course is a practical application of design and construction of modern or contemporary furniture and cabinetwork. This course will reinforce the vocabulary and techniques presented in Woodworking 1 & 2. The course will capitalize on the use of hands on experience with millwork materials and the safe application of advanced woodworking techniques and processes. During the course, each student will research and develop their own projects with an emphasis on developing craftsmanship. This course allows organized, self-motivated, responsible students to capitalize on the important skills of successful trades people.

TAE304 – Advanced Metals

Credits: 0.50

Grades: 10-12

Prerequisites: TAE205

A semester of practical experiences in the care and use of metal working tools and machines. Emphasis will be placed on the design and production of metal products using machine tools, hand tools, and various forming processes. MIG, TIG, and stick welding processes will also be emphasized. Along with blueprint reading and the development of general shop skills that are needed for a career in the metals and fabrication field.

TAE305 – Consumer Automotive

Credits: 0.50

Grades: 10-12

A semester long course introducing students to basic maintenance and repair of passenger vehicles. Students will also learn about automotive insurance and purchasing strategies in order to be an educated consumer. Students will be required to have a driver's license and access to a vehicle for lab activities. Lab fees to cover the cost of parts and supplies may be necessary.

TAE306 – Building Construction I

Credits: 1.00

Grades: 10-12

Prerequisites: TAE101

This yearlong course is designed to teach students the systems of residential construction. The course will focus on relationship of the foundation, floor, wall, and roof systems. There will be an introduction to estimation and print reading.

TAE401 – Advanced Cabinetmaking/Furniture Design & Construction *

Credits: 1.00

Grades: 11-12

*Course requires additional lab fee

Prerequisite: TAE303- with a grade of C or better in TAE303

This yearlong course allows self-motivated and responsible students to advance their skills in cabinet or furniture design and construction. During the course, each student will individually design and construct their own projects with an emphasis on design and material planning, while focusing on craftsmanship. Students will concentrate on developing advanced techniques in furniture construction. The course will allow students to continue to develop the skills required to be successful in the trades.

TAE402 – Building Construction II

Credits: 1.00

Grades: 11-12

Prerequisites: TAE306

This year long course is designed to be advanced study of residential construction systems reinforcing the vocabulary and techniques presented in Building Construction I. The class will be a hands on experience focusing on building projects while meeting client expectations. This course allows organized, self-motivated, responsible students to capitalize on the important skills of successful trades people while preparing for a career in the construction industry.

TAE403 – Automotive Service Fundamentals

Credits: 0.50

Grades: 10-12

Prerequisites: TAE106

College Credit: T

A semester long course designed as an introduction to the automotive service technology and heavy truck repair career path. This class will provide an automotive curriculum that could be used in post-secondary education. This course is geared toward those students that have a desire to continue their education in the automotive field. Automotive theory, diagnostics, troubleshooting, service, and repair will be included in the curriculum of this course. Lab activities will consist of maintenance and service performed by entry-level technicians and will be performed on student and customer supplied vehicles.

TAE404 – Automotive Electrical & Electronic Systems

Credits: 0.50

Grades: 10-12

Prerequisites: TAE403

College Credit: T

A semester long course designed as a continuation of the automotive service technology and heavy truck repair career path. This class will provide an automotive curriculum that could be used in post-secondary education. This course is geared toward those students that have a desire to continue their education in the automotive field. The theory of operation and servicing of electrical and electronic systems in automotive applications will be included in the curriculum of this course. Lab activities will consist of electrical testing, repairs, and service performed by entry-level technicians and will be performed on student and customer supplied vehicles.

TAE405 – Civil Engineering & Architecture (PLTW)

Credits: 1.00

Grades: 10-12

Prerequisites: TAE107

College Credit: T/PLTW

Students learn about various aspects of civil engineering and architecture and apply their knowledge to the design and development of residential and commercial properties and structures. In addition, students use 3D design software to design and document solutions for major course projects. Students communicate and present solutions to their peers and members of a professional community of engineers and architects. This course is designed for 11th or 12th grade students.

Students can also receive college credit from Gateway Technical College.

TAE406 – Engineering Design & Development (PLTW)

Credits: 1.00

Grades: 11-12

Prerequisites: TAE107 and TAE207

College Credit: T/PLTW

This class mimics the actual practice of engineering, is open ended and offers a framework for integrating several disciplines while maintaining the rigors of scientific inquiry. Like engineers in the real world, teams of students work on a project that synthesize science, mathematics, technology, economics, management, and communication. Each team applies engineering analysis and experimentation to a real world problem by designing and constructing a prototype of a unique device. As they move through the design process, they consider not only the scientific and mathematical requirements of the problem, but also the social, economic, environmental and ethical issues. This is the capstone course for the Project Lead the Way Program.

Students can also receive college credit from Gateway Technical College.



WORLD LANGUAGE

Department Course Offerings (Freshman Year)

WDL101
Spanish I (E)

WDL102
German I (E)

WDL412
German American Partnership Program
GAPP (E)

FRESHMAN YEAR

R = Required course at indicated grade level

E = Elective course at indicated grade level



WORLD LANGUAGE

Department Course Offerings (Sophomore – Senior Year)

WDL101 Spanish I (E)

WDL102 German I (E)

WDL201 Spanish II (E)

WDL202 German II (E)

WDL412 German American Partnership Program GAPP (E)

WDL301 Spanish III(E)

WDL302 German III (E)

WDL404 Spanish for Health Care (E)

WDL401 Spanish IV (E)

WDL402 German IV (E)

WDL500 Spanish V (E)

SOPHOMORE YEAR

JUNIOR YEAR

SENIOR YEAR

R = Required course at indicated grade level

E = Elective course at indicated grade level

WDL101 – Spanish I

Credits: 1.00
Grades: 9-12

A year study of the language through reading, writing, listening and speaking. Emphasis is on vocabulary and the foundational grammatical structures of the language. Students will learn about the culture and history of Spanish speaking countries. The target language is used as much as possible.

WDL102 – German I

Credits: 1.00
Grades: 9-12

A year study of the language through reading, writing, listening and speaking. Emphasis is on vocabulary and the foundational grammatical structures of the language. Students will learn about the culture and history of German speaking countries. The target language is used as much as possible.

WDL201 – Spanish II

Credits: 1.00
Grades: 9-12
Prerequisites: WDL101

A year of study of the language through reading, writing, listening, and speaking. Students will develop survival speaking skills and a good overall knowledge of Spanish life after completing this course. Spanish is spoken by the teacher and students.

WDL202 – German II

Credits: 1.00
Grades: 10-12
Prerequisites: WDL102

A year study of the language through reading, writing, listening, and speaking. Students will develop survival speaking skills and a good overall knowledge of German life after completing this course. German is spoken by the teacher and the students.

WDL301 – Spanish III

Credits: 1.00
Grades: 10-12
Prerequisites: WDL201

A year study of the language through reading, writing, listening, and speaking. Students will use all tenses and begin the subjunctive mood. There will be a study of Spanish culture and history. The class will be almost entirely in Spanish.

WDL302 – German III

Credits: 1.00
Grades: 11-12
Prerequisites: WDL202

A year study of the language in which advanced grammar concepts are introduced, reading and writing are emphasized, and communication between teacher and students is in German.

WDL401 – Spanish IV

Credits: 1.00
Grades: 11-12
Prerequisites: WDL301

This class offers an intensive study of the Spanish language. Students will further their proficiency by reading novels, writing, listening, and speaking. The year prepares students for the college placement exam. Everyone uses the target language.

WDL402 – German IV

Credits: 1.00
Grades: 12
Prerequisites: WDL302

A year study of the language in which advanced grammatical concepts are reviewed. Reading, writing and listening skills will be improved. The year prepares students for the college placement exam. The target language is emphasized.

WDL404 – Spanish for Health Care

Credits: 0.50

Grades: 11-12

Prerequisites: 1st semester of WDL301

This semester-long course focuses on preparing students to use the Spanish language in their future health care careers. Students will learn vocabulary to discuss many medical topics including systems of the body, medical procedures, and illnesses. There is a strong emphasis on usage of the language in practical medical situations.

WDL412 – GAPP

Credits: 0.25

Grades: 9-12

This is your chance to visit another country. In order to participate you must start German as a freshman or sophomore. GAPP is an exchange program between students from Wilmot and St. Katarina Gymnasium in Oppenheim, Germany. This is an opportunity to learn about the German culture and people outside of the classroom. By attending monthly meetings before the trip, students will learn about cultural differences and survival speaking skills that they will then use while in Germany. Three weeks are spent hosting a German students (usually in September and October), and three weeks are spent in Germany (usually in June and July). A culminating project will be finished upon completion of this experience.

WDL500 – Spanish V

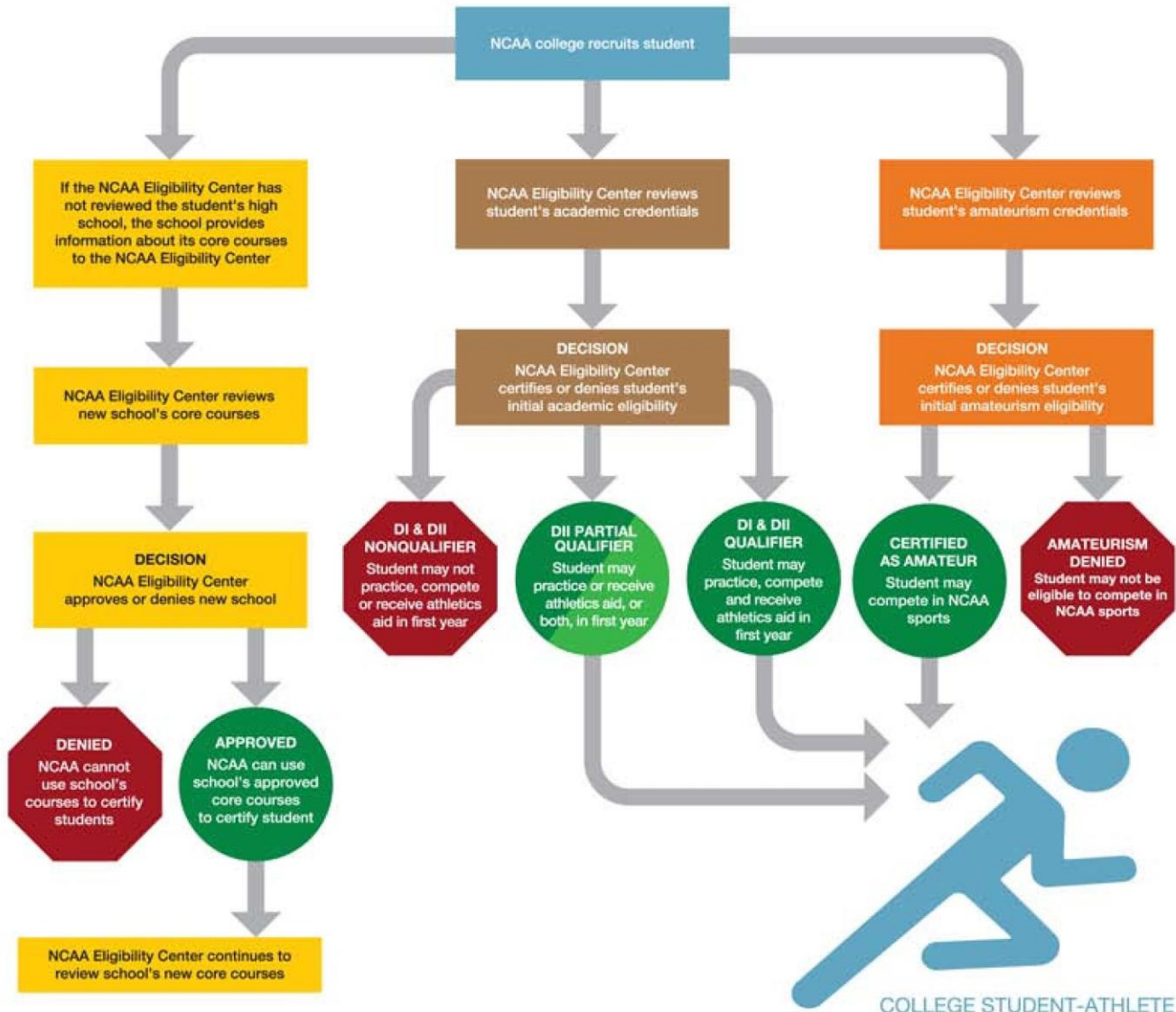
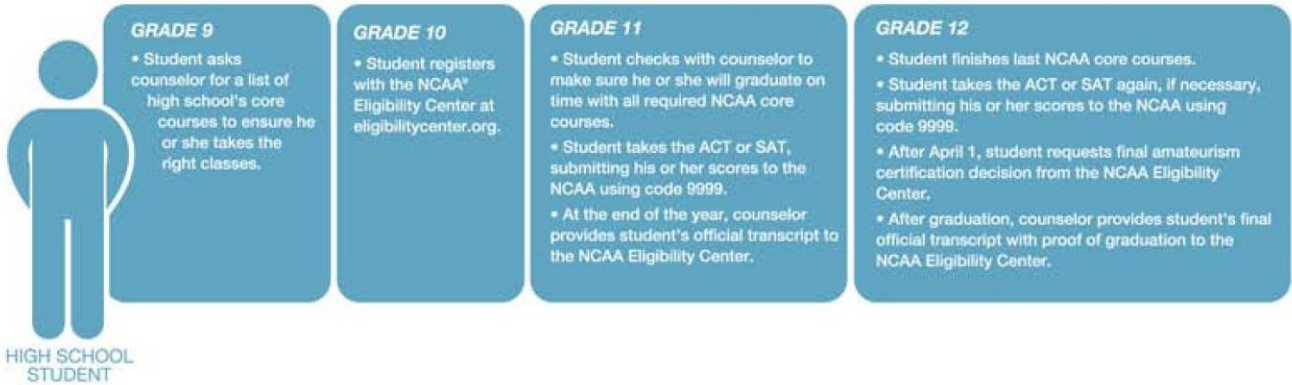
Credits: 1.00

Grades: 12

Prerequisites: WDL401

In this year-long course, students will further their communicative competency through a variety of conversational and listening activities. Students will also further develop their reading and writing skills using authentic materials which explore the diversity of the Spanish speaking world.

NCAA INITIAL-ELIGIBILITY PROCESS



NCAA is a trademark of the National Collegiate Athletic Association.



DIVISION I ACADEMIC REQUIREMENTS

College-bound student-athletes will need to meet the following academic requirements to practice, receive athletic scholarships, and/or compete during their first year.

Core-Course Requirement

Complete 16 core courses in the following areas:

<div style="background-color: #2c4e64; color: white; padding: 10px; border-radius: 10px 10px 0 0;"> ENGLISH </div> <p>4 years</p>	<div style="background-color: #2c4e64; color: white; padding: 10px; border-radius: 10px 10px 0 0;"> MATH (Algebra I or higher) </div> <p>3 years</p>	<div style="background-color: #2c4e64; color: white; padding: 10px; border-radius: 10px 10px 0 0;"> NATURAL/ PHYSICAL SCIENCE (One year of lab, if offered) </div> <p>2 years</p>	<div style="background-color: #2c4e64; color: white; padding: 10px; border-radius: 10px 10px 0 0;"> ADDITIONAL ENGLISH, MATH OR NATURAL/ PHYSICAL SCIENCE </div> <p>1 year</p>	<div style="background-color: #2c4e64; color: white; padding: 10px; border-radius: 10px 10px 0 0;"> SOCIAL SCIENCE </div> <p>2 years</p>	<div style="background-color: #2c4e64; color: white; padding: 10px; border-radius: 10px 10px 0 0;"> ADDITIONAL COURSES (Any area listed to the left, foreign language or comparative religion/philosophy) </div> <p>4 years</p>
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Full Qualifier

- Complete 16 core courses.
 - Ten of the 16 core courses must be completed before the seventh semester (senior year) of high school.
 - Seven of the 10 core courses must be in English, math or science.
- Earn a core-course GPA of at least 2.300.
- Earn the ACT/SAT score matching your core-course GPA on the Division I sliding scale (see back page).
- Graduate high school.

Academic Redshirt

- Complete 16 core courses.
- Earn a core-course GPA of at least 2.000.
- Earn the ACT/SAT score matching your core-course GPA on the Division I sliding scale (see back page).
- Graduate high school.

Full Qualifier:

College-bound student-athletes may practice, compete and receive athletics scholarships during their first year of enrollment at an NCAA Division I school.

Academic Redshirt:

College-bound student-athletes may receive athletics scholarships during their first year of enrollment and may practice during their first regular academic term, but may NOT compete during their first year of enrollment.

Nonqualifier:

College-bound student-athletes cannot practice, receive athletics scholarships or compete during their first year of enrollment at an NCAA Division I school.

Test Scores

When a student registers for the SAT or ACT, he or she can use the NCAA Eligibility Center code of **9999** so his or her scores are sent directly to the NCAA Eligibility Center from the testing agency. Test scores on transcripts will **NOT** be used in his or her academic certification.

A combined SAT score is calculated by adding reading and math subscores. An ACT sum score is calculated by adding English, math, reading and science subscores. A student may take the SAT or ACT an unlimited number of times before he or she enrolls full time in college. If a student takes either test more than once, the best subscore from different tests are used to meet initial-eligibility requirements.

If a student took the SAT before March 2016 and then took the redesigned SAT at a later date, the NCAA Eligibility Center will not combine section scores from the old and redesigned SAT when determining his or her initial eligibility. The NCAA Eligibility Center will only combine section scores from the same version of the test. Because the redesigned SAT varies in design and measures different academic concepts than the old SAT, a numerical score on the old test may not be equivalent to the same numerical score on the redesigned test.

DIVISION I FULL QUALIFIER SLIDING SCALE		
CORE GPA	SAT	ACT SUM
	READING/MATH	
3.550	400	37
3.525	410	38
3.500	420	39
3.475	430	40
3.450	440	41
3.425	450	41
3.400	460	42
3.375	470	42
3.350	480	43
3.325	490	44
3.300	500	44
3.275	510	45
3.250	520	46
3.225	530	46
3.200	540	47
3.175	550	47
3.150	560	48
3.125	570	49
3.100	580	49
3.075	590	50
3.050	600	50
3.025	610	51
3.000	620	52
2.975	630	52
2.950	640	53
2.925	650	53
2.900	660	54
2.875	670	55
2.850	680	56
2.825	690	56
2.800	700	57
2.775	710	58

DIVISION I FULL QUALIFIER SLIDING SCALE		
CORE GPA	SAT	ACT SUM
	READING/MATH	
2.750	720	59
2.725	730	60
2.700	740	61
2.675	750	61
2.650	760	62
2.625	770	63
2.600	780	64
2.575	790	65
2.550	800	66
2.525	810	67
2.500	820	68
2.475	830	69
2.450	840	70
2.425	850	70
2.400	860	71
2.375	870	72
2.350	880	73
2.325	890	74
2.300	900	75
2.299	910	76
2.275	910	76
2.250	920	77
2.225	930	78
2.200	940	79
2.175	950	80
2.150	960	81
2.125	970	82
2.100	980	83
2.075	990	84
2.050	1000	85
2.025	1010	86
2.000	1020	86

ACADEMIC REDSHIRT

