

Wilmot Union High School

Academic & Career
Planning Guide
2017-18



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.

Wilmot Union High School
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High School Administration

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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 I, 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	4	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		
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 colleges category.

Graduation Planning Guide

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 2	0.50 Credit
Health	0.50 Credit	*Science	1.00 Credit
Science	1.00 Credit	World History	1.00 Credit
Global Studies	0.50 Credit	Electives	minimum 1.50 Credits
Civics	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	Social Science Elective	0.50 Credit
US History	1.00 Credit	*Science	1.00 Credit
Electives	minimum 1.50 Credits	*Physical Education	0.50 Credit
		Elective	minimum 2.00 Credits

** 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 who has transcribed their math courses 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 credits of Physical Education 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 2nd semester of Senior Literature and Composition one of three ways:

During the summer **PRIOR** to Senior Year, they will take 2nd semester Senior Literature during the summer school program. Students must fulfill the equivalent of 65 hours of on campus work to meet this requirement.

During the 1st semester of Senior Year, they will take 2nd semester Senior Literature as an Independent Study course via a computer based program in addition to their regular course load.

GRADUATION CEREMONY PARTICIPATION

- A student will not receive a signed diploma until all Wilmot Union High School requirements have been fulfilled. Students who graduated 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

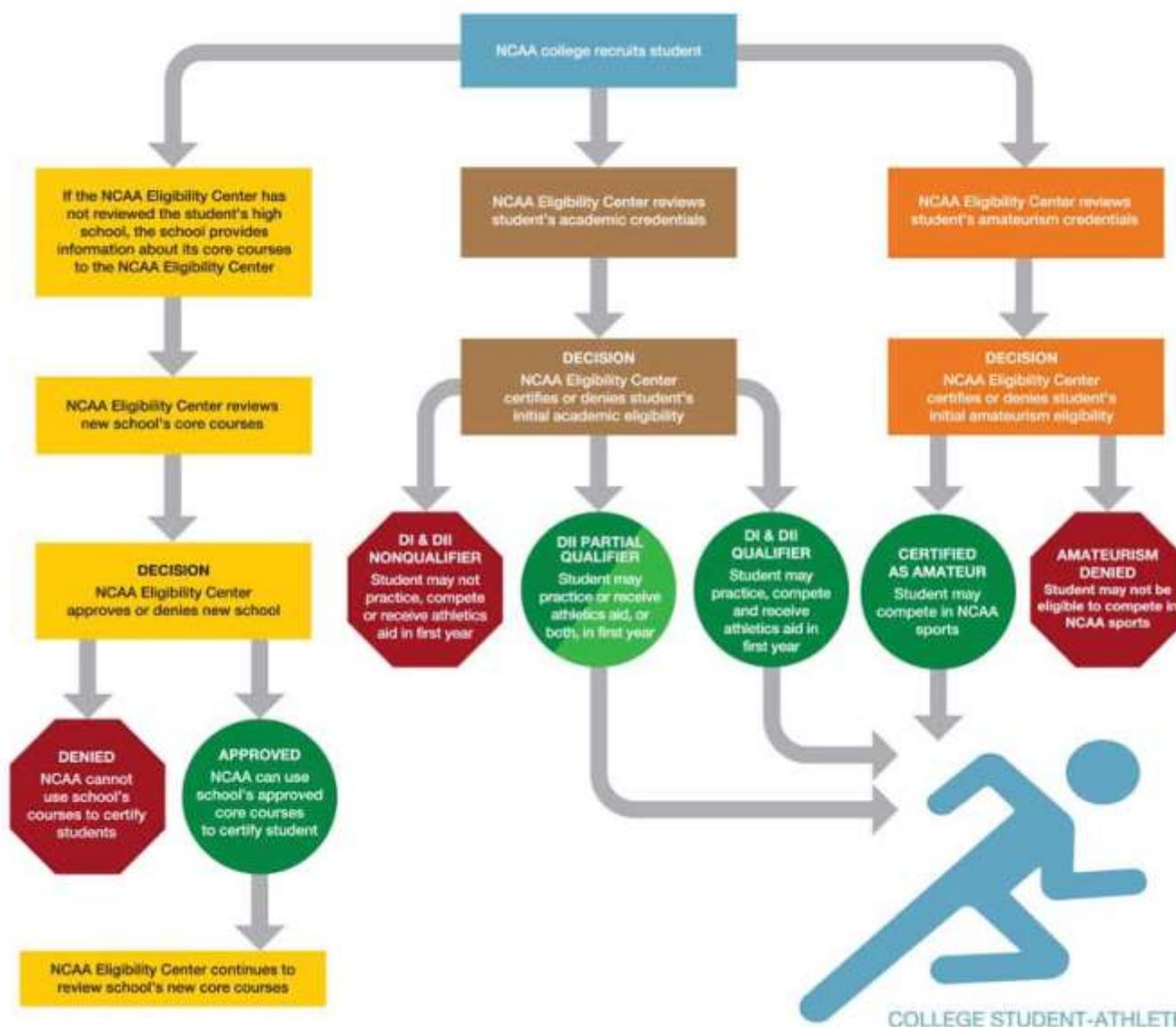
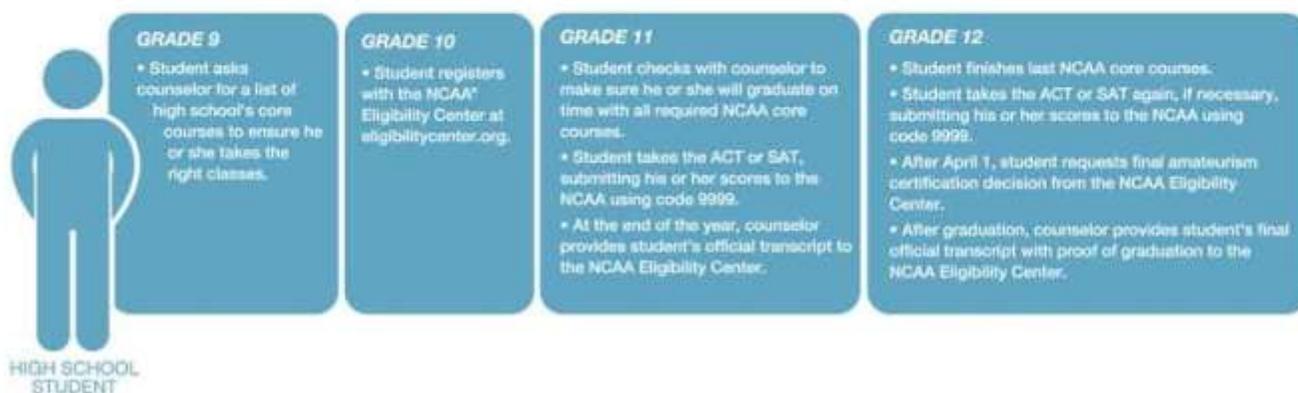
Standardized Test Score

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.

NCAA INITIAL-ELIGIBILITY PROCESS



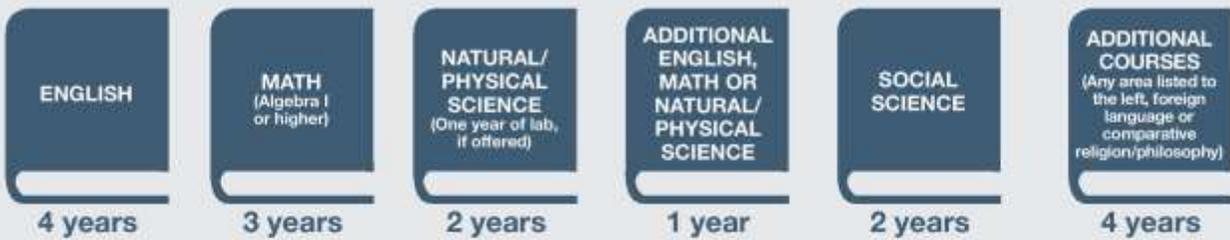


DIVISION I ACADEMIC REQUIREMENTS

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:



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 READING/MATH	ACT SUM
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 READING/MATH	ACT SUM
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

NCAA is a trademark of the National Collegiate Athletic Association.



Division II Academic Requirements

College-bound student-athletes enrolling at an NCAA Division II school need to meet the following academic rules to practice, compete and receive athletics scholarships during their first year.

Core-Course Requirement	
Complete 16 core courses in the following areas: <ul style="list-style-type: none"> • 3 years of English • 2 years of math (Algebra I or higher) • 2 years of natural or physical science (including one year of lab science if offered) • 2 years of social science • 3 additional years of English, math or natural or physical science • 4 additional years of English, math, natural or physical science, social science, foreign language, comparative religion or philosophy 	
Full Qualifier	Partial Qualifier
<ul style="list-style-type: none"> • Complete 16 core courses • Earn a core-course GPA of at least 2.000 • Earn an SAT combined score of at least 820 or an ACT sum score of at least 68 • Graduate high school 	<ul style="list-style-type: none"> • Complete 16 core courses • Earn a core-course GPA of at least 2.000 OR • Earn an SAT combined score of at least 820 or an ACT sum score of at least 68 • Graduate high school

Full Qualifier: College-bound student-athletes may practice, compete and receive athletics scholarship during their first year of enrollment at an NCAA Division II school.

Partial Qualifier: 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 may not practice, compete or receive athletics scholarships during their first year of enrollment at an NCAA Division II school.

Test Scores

If you take the current SAT before March 2016 and then take the redesigned SAT at a later date, the NCAA Eligibility Center will not combine section scores from the current and redesigned SAT when determining your 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 current SAT, a numerical score on the current test may not be equivalent to the same numerical score on the redesigned test.

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
March	<ul style="list-style-type: none"> • Individual Course Registration completed by March 1st • Youth Options applications are due March 1st for fall semester courses. Course registration requests will be adjusted upon acceptance into the Youth Options Program • Meeting will be scheduled for parents of students who have requested AP Courses
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 schedule change requests 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
October	<ul style="list-style-type: none"> • Youth Options applications are due October 1st for spring course requests. Student schedules will be adjusted based upon acceptance into the Youth Options 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 2017-18”
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 “Alternative Courses”
10. Choose 2 credits of Alternative 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 may 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

COURSE LEVEL CHANGES

On occasion, students may need to change the level of the class in which they are enrolled. Level changes are a collaborative effort between parents, the student, the teacher, and the school counselor and cannot be approved until all parties involved have been able to discuss the change. Level changes will be made whenever it is deemed appropriate. Before a course level change can be approved the student must:

- pick up a Student Add/Drop Request Form, available in the Student Services Office
- discuss the change with their current teacher, school counselor and parent
- complete the student portion of the form, indicating the resources they utilized in an effort to be successful in the class
- request that their teacher, parent and school counselor complete the appropriate parts of the form

The letter grade earned at the time of the level change will accompany the student to the new class.

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 a **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 that shows 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

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		
UNWEIGHTED	HONORS WEIGHTED	AP WEIGHTED
4.00	4.50	5.00
3.67	4.17	4.67
3.33	3.83	4.33
3.00	3.50	4.00
2.67	3.17	3.67
2.33	2.83	3.33
2.00	2.50	3.00
1.67	2.17	2.67
1.33	1.83	2.33
1.00	1.50	2.00
0.67	1.17	1.67
0.00	0.00	0.00

LAUDE SCORE

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. **IMPORTANT:** Changes will be made to the Laude System for the graduating Class of 2022 pending School Board approval.

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 are as follows:

Advanced Placement	2 points
Project Lead The Way (PLTW)	2 points
Transcripted Credit Arrangement with a technical college or university	2 points
Honors Designation	1 point
Advanced Standing	1 point

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 Praise**
 - Scores of 50 or higher
- **Magna Cum Laude: With Great Honor**
 - Scores of 32 to 49.99
- **Cum Laude: With Honor**
 - Scores of 16 to 31.99

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.

CLASS RANK

WUHS does not give out class rank except to determine the top three students for the Wisconsin Academic Excellence Scholarship using an unweighted cumulative GPA at the completion of the 7th semester and 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 Courses - 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

A mandatory meeting will be scheduled in the spring of each school year 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 the AP course 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
- AP 3-D Studio Art
- 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
-

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 COURSE

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.

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 for students the connection between work and school, provides a chance for meaningful contact with adults/mentors, improves their chances for successful employment as young adult, and helps solidify career interests. For more information, contact the School-to-Career Coordinator, Travis Wetzel 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	Youth Apprenticeship	State Certified Co-op	National Certification	Work Experience Employability Skills Certificate Program
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

YOUTH OPTIONS

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				

Youth Options

The Youth Options program 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 Youth Options 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	DEADLINE DATE
Next academic year	First	March 1
Current academic year	Second	October 1

WORK BASED LEARNING COURSES

PROSTART CULINARY WORK EXPERIENCE

Prerequisite: Culinary 1 (“B” Average in Food related classes)
 Co-requisites: Food & Family Management and Worldwide Cuisine
 Credit: Up to 2.0 Credits for working in a culinary setting
 Grades: 11-12

The course is designed for those interested in pursuing careers in the Culinary and Hospitality Industry. Culinary I is the first step in completing the ProStart Program, and/or the Gateway Technical College Articulation. The ProStart program is implemented through the National Restaurant Association Education Foundation. It is a two year program. One credit is obtained from the classroom experience and an additional 1.0 credit each semester may be obtained from work experience. To receive the ProStart Certificate of Achievement, students must prove that they have completed 400 hours of PAID work experience in the foodservice industry.

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).

NURSING ASSISTANT (N.A.) / HEALTH SERVICES APPRENTICESHIP

Prerequisite: A Youth Options Application by March 1st
Credit: 0.75 for the Youth Options class at Gateway Technical College 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 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, 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.

ALTERNATIVE EDUCATION OPTIONS

S.A.N.D. 10-12 PROGRAM STUDENTS ACHIEVING NEW DIRECTIONS

The S.A.N.D. 10-12 program targets sophomore, junior, and senior students who would benefit from extra academic support and/or are Credit deficient. Students are also scheduled in a guided intensive study hall(GIS) with a SAND instructor. During this resource time students receive support in their classes taken outside of the SAND program or work on Individual Credit Recovery (ICR) through the APEX curriculum. Please see your school counselor for more detailed information.

TROUVAILLE ACADEMY

The Trouvaille Academy is an off-site academic program for students (10-12) who are not experiencing success in the traditional high school setting. Students enrolled in this program receive Wilmot Union High School curriculum, which includes direct and computer-based instruction (APEX). Final selection to the Trouvaille Academy is made by the Wilmot Union High School Student Services Committee.

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 truancies, 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. Enrollment into this program requires a teacher, school counselor, and department chair recommendation. 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 or after-school to allow program success and flexibility.

OFFICE ASSISTANT

Students can receive a $\frac{1}{4}$ credit per semester for serving as an office assistant in the District Office, Main Office, or the Student Services Office. Possible duties may include: office runners, filing, sorting, etc. Enrollment into this program requires secretary and Assistant Principal recommendation. Students can be assigned, as Office Assistants, in lieu of a study hall or after-school to allow program success and flexibility.

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 or after-school to allow program success and flexibility.

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



Academic and Career Planning, or ACP, is a student-driven, adult-supported process in which students create and cultivate their own unique and information-based visions for post-secondary success, obtained through self-exploration, career exploration, and the development of career management and planning skills.

Mission

Empower ALL students to travel the road TO adulthood through education and training to careers!

CAREER PATHWAYS



Pathways in this Cluster

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

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

Earning Only A High School Diploma

On-The-Job Training and/or Minimal Work Experience

- | | | | |
|----------------|--------------------|--------------|-------------------------------|
| *Bee Keeper | *Crop Sprayer | *Fisherman | *Nursery Employee |
| *Stable Worker | *Landscape Laborer | *Pet Groomer | *Veterinary Hospital Employee |
| *Logger | *Pet Shop Employee | | |

Earning an Associate Degree or Post-High School Certification

Community or Technical College, Apprenticeship, and/or Experience

- | | | | |
|-----------------|---------------|----------------------|------------------------|
| *Arborist | *Farmer | *Golf Course Manager | *Genetic Technologist |
| *Animal Control | *Turf Manager | *Greenhouse Manager | *Veterinary Technician |

Earning a Bachelor, Professional or High Degree

College and University Schooling

- | | | | |
|-------------------|---------------|-----------------|----------------------|
| *Animal Scientist | *Geneticist | *Soil Scientist | *Food Scientist |
| *Game Warden | *Entomologist | *Biochemist | *Greenhouse Operator |
| *Marine Biologist | *Zoologist | *Veterinarian | *USDA Inspector |
- *Agricultural Economist, Educator, Engineer, Banker, Sales, or Communications

Recommended Wilmot Courses

(In addition to courses required for graduation)

- | | | |
|------------------------------|--------------------------|-----------------------------------|
| AP Biology | Business Seminar | PLTW Environmental Sustainability |
| American Law | Advanced Algebra | Pre-Calculus |
| Sports Nutrition & Fitness | Probability & Statistics | General Metals |
| AP Statistics | AP Calculus – AB & BC | Power Mechanics I & II |
| Welding –MIG/TIG & Stick/OXY | Woodworking 1 & 2 | Machining & Fabrication |
| AP Economics | Horticulture | Spanish |
| AP Environmental Science | Intro to Business | German |



Pathways in this Cluster

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

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

Earning Only A High School Diploma

On-The-Job Training and/or Minimal Work Experience

- | | | |
|-------------------------|---------------------------|----------------|
| *Construction Laborer | *Highway Maintenance | *Tile Setter |
| *Construction Assistant | *Heavy Equipment Operator | *Roofer |
| *Fence Builder | *Grading Machine Operator | *Groundskeeper |

Earning an Associate Degree or Post-High School Certification

Community or Technical College, Apprenticeship, and/or Experience

- | | | |
|------------------------|------------------------------------|--------------|
| *HVAC Technician | *Drywall Installer | *Plumber |
| *Architectural Drafter | *Civil Engineering Technician | *Electrician |
| *Carpenter | *Electrical Engineering Technician | *Pipefitter |

Earning a Bachelor, Professional or High Degree

College and University schooling

- | | | |
|----------------------|----------------------|----------------------|
| *Architect | *Civil Engineer | *Grounds Supervisor |
| *Building Contractor | *Cost Estimator | *Interior Design |
| *C.A.D. Designer | *Electrical Engineer | *Landscape Architect |

Recommended Wilmot Courses

(In addition to courses required for graduation)

- | | | |
|-----------------------------|------------------------------|-------------------------------|
| Drafting I & II | Powersports Mechanics | General Metals |
| Advanced Algebra | Woods 1 & 2 | Pre-Calculus |
| AP Calculus | Chemistry | Physics |
| AP Physics | Interior Design | AP Statistics |
| College Prep Writing | Spanish | German |
| Building Construction 1 & 2 | Power Mechanics I & II | Welding - MIG/TIG & Stick/OXY |
| PLTW Engineering Pathways | Cabinetry & Furniture Design | |



Pathways in this Cluster

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

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

Earning Only A High School Diploma

On-The-Job Training and/or Minimal Work Experience

- | | | |
|------------------|------------------------|----------------|
| *Floral Designer | *Proofreader | *Mural Painter |
| *Food Stylist | *Sign Designer/Painter | *Photographer |
| *Musician | *Stained Glass | *Pre-Press |

Earning an Associate Degree or Post-High School Certification

Community or Technical College, Apprenticeship, and/or Experience

- | | | | |
|-----------------------|---------------|-------------------|-----------------------|
| *Animator | *Sign Painter | *Potter | *Broadcast Technician |
| *Recording Technician | *Taxidermist | *Graphic Designer | *Public Relations |

Earning a Bachelor, Professional or High Degree

College and University Schooling

- | | | | |
|------------------|--------------------|---------------|-------------------------|
| *Animator | *Illustrator | *Artist | *Videographer |
| *Cinematographer | *Architect | *Musician | *Journalist |
| *Composer | *Art/Music Teacher | *Photographer | *AV Designer & Engineer |

Recommended Wilmot Courses

(In addition to Courses Required for Graduation)

- | | | | |
|-----------------------------|-----------------------------------|-----------------------|---------------------------|
| Computer Graphics | Digital Photography | Art I/II | AP Studio Art |
| Psychology | Digital Productions | Desktop Design | Journalism I & II |
| Marketing Principles 1 & 2 | Interior Design | AP Art History | AP Language & Composition |
| AP Literature & Composition | AP Studio Art | Various Music Courses | iDesign |
| AP Studio Art | Spanish | German | Theater Tech |
| AP Psychology | Intro to Networking/ Web Concepts | | |
| Building Construction 1 & 2 | Civil Engineering & Architecture | | Drafting 1 & 2 |



Pathways in this Cluster

- Marketing & Communications
- Management
- Financial management & Accounting
- Administrative & Information Support
- Human Resources
- Business Analysis

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

Earning Only A High School Diploma

On-The-Job Training and/or Minimal Work Experience

- | | | | |
|----------------------|----------------|------------------------------|----------------|
| * Bank Teller | * Sales Clerk | * Billing, Cost & Rate Clerk | * Typist |
| * Caterer | * File Clerk | * Human Resource Clerk | * Hotel Clerk |
| * Hospital Admitting | * Meter Reader | * Data Entry Clerk | * Receptionist |

Earning an Associate Degree or Post-High School Certification

Community or Technical College, Apprenticeship, and/or Experience

- | | | | |
|----------------------------|--------------------|------------------------|--------------------|
| * Accountant | * Tax Preparer | * Small Business Owner | * Court Reporter |
| * Administrative Assistant | * Stenographer | * Word Processor | * Kennel Owner |
| * Retail Sales Supervisor | * Industrial Clerk | * Management Trainee | * Funeral Director |

Earning a Bachelor, Professional or High Degree

College and University Schooling

- | | | | |
|--------------------------|------------------------|-----------------------|-----------------|
| * Accountant-CPA | * Art Director | * Marketing Manager | * Event Planner |
| * E-Commerce Analyst | * Facilities Manager | * Musician's Agent | * Consultant |
| * Human Resource Manager | * Sales Representative | * Personnel Recruiter | * Auditor |

Recommended Wilmot Courses

(In addition to courses required for graduation)

- | | | | |
|----------------------------------|--------------------------|----------------------------------|---------------------|
| Introduction to Business | Marketing | Advanced Marketing | Advanced Algebra |
| Pre-Calculus | AP Calculus | AP Statistics | World Languages |
| Psychology | College Prep Writing | Sociology | AP Economics |
| Business Seminar | Business Law | Trigonometry | Advanced Accounting |
| iDesign | Public Speaking | Small Business Accounting I & II | |
| Civil Engineering & Architecture | Leadership & Development | | |
| Building Construction 1 & 2 | | | |



- Pathways in this Cluster**
- Administration & Administrative Support
 - Professional Support Services
 - Teaching/ Training

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

Earning Only A High School Diploma

On-The-Job Training and/or Minimal Work Experience

- | | | |
|-----------------------|--------------------|--------------------------|
| *Aerobics Instructor | *Dance Teacher | *Self Enrichment Teacher |
| *Child Care Assistant | *Library Assistant | |

Earning an Associate Degree or Post-High School Certification

Community or Technical College, Apprenticeship, and/or Experience

- | | | |
|--|---------------------------|---------------------|
| *Computer Installation & Demonstration | *Library Technician | *Teacher Assistant |
| *Pre-School Teacher | *Sign Language Instructor | *Pre-School Teacher |

Earning a Bachelor, Professional or High Degree

College and University Schooling

- | | | |
|----------------------------|---------------------------------------|----------------------------|
| *Music Therapist | *School Psychologist | *School Counselor |
| *Bilingual Educator | *Secondary School Teacher | *University Professor |
| *Educational Administrator | *Teacher of the Blind | *Training Program Manager |
| *Instructional Coordinator | *Career & Technical Education Teacher | *Elementary School Teacher |
| *Kindergarten Teacher | *Librarian | *Special Education Teacher |
| *Music Teacher | *Speech-Language Pathologist | *Adult Literacy Teacher |

Recommended Wilmot Courses

(In addition to courses required for graduation)

- | | | |
|---|--------------------------------|-----------------------------------|
| Child Development | AP Psychology | Relationships |
| Advanced Algebra | Psychology | Sociology |
| Marketing Principles 1 & 2 | German | AP Language & Composition |
| Intro to Business | Spanish | AP World History |
| AP Literature & Composition | Childcare Teacher Skills Co-op | Pre-Calculus & Analytic Geometry |
| Current Trends and Issues in Education | Developmental Psychology (PIE) | Introduction to Special Education |
| Teaching Practicum and Effective Teaching Practices | | |
| Introduction to Special Education (PIE) | | |



Pathways in this Cluster
 Financial & Investment Planning
 Business Financial Management
 Banking & Related Services
 Insurance Services

Planning, services for financial and investment planning, banking, insurance, and business financial management.

Earning Only A High School Diploma

On-The-Job Training and/or Minimal Work Experience

- | | | |
|---------------------------|------------------|----------|
| *Bill & Account Collector | *Brokerage Clerk | *Cashier |
|---------------------------|------------------|----------|

Earning an Associate Degree or Post-High School Certification

Community or Technical College, Apprenticeship, and/or Experience

- | | | | |
|------------------|--------------------------------|------------------|--------------------------|
| *Accountant | *Financial Institution Manager | *Loan Officer | *Brokerage Clerk |
| *Insurance Agent | *Personal Property Appraiser | *Claims Adjuster | *Investigator & Adjustor |

Earning a Bachelor, Professional or High Degree

College and University Schooling

- | | | | |
|--------------------------------|-------------------------|---|---------------------|
| *Accountant, CPA | *Credit Analyst | *Manager | *Economist |
| *Auditor | *Financial Advisor | *Brokerage Clerk | *Investment Advisor |
| *Insurance Underwriter | *Music Store Accountant | *Actuary | *Stockbroker |
| *Controller | *Real Estate Appraiser | *Business & Industry Consultant | |
| *Credit Card Operation Manager | | *School District Business Administrator | |

Recommended Wilmot Courses

(In addition to courses required for graduation)

- | | | |
|--|---|---|
| <ul style="list-style-type: none"> Introduction to Business German Psychology AP Economics AP Statistics Microsoft Excel & Access AP Psychology | <ul style="list-style-type: none"> Advanced Accounting Spanish Computers for Professionals AP Literature & Composition AP Language & Composition Pre-Calculus Leadership & Development | <ul style="list-style-type: none"> Marketing Principles 1 & 2 Small Business Accounting I & II Business Law AP Calculus Sociology Algebra 2 Business Management & Entrepreneurship |
|--|---|---|



Pathways in this Cluster

- Governance
- National Security
- Foreign Service Planning
- Revenue & Tax Regulation
- Public Management

Executing governmental functions to include Governance; National Security; Foreign Service; Planning; Revenue and Taxation; Regulation; and Management and Administration at the local, state, and federal levels.

Earning Only A High School Diploma

On-The-Job Training and/or Minimal Work Experience

- | | | |
|---------------|---------------------------------|------------------|
| *Mail Carrier | *Driver's License Examiner | *License Clerk |
| *Postal Clerk | *Mail Handling Machine Operator | *Infantry Forces |

Earning an Associate Degree or Post-High School Certification

Community or Technical College, Apprenticeship, and/or Experience

- | | | | |
|-----------------|------------------|---------------------------|---------------------|
| *Coroner | *Title Examiner | *Transportation Inspector | *City Planning Aide |
| *Accountant | *Infantry Forces | *Building Inspector | *Postmaster |
| *Special Forces | | | |

Earning a Bachelor, Professional or High Degree

College and University Schooling

- | | | | |
|----------------------------------|-------------------------------|--|-------------------|
| *Accountant | *Equal Opportunity Specialist | *Special Operations Officer | *Infantry Officer |
| *Urban Planner | *Apprenticeship Consultant | *Aviation Security Specialist | *Lawyer |
| *City Manager | *Public Utilities Manager | *Political Scientist | *Legislator |
| *Emergency Management Specialist | | *Occupational Health & Safety Specialist | |

Recommended Wilmot Courses

(In addition to courses required for graduation)

- | | | | |
|----------------------------------|---------------------|----------------------------------|---------------|
| AP US History | AP Statistics | AP Economics | Business Law |
| American Law | Advanced Accounting | Physics | Algebra 2 |
| Marketing | Psychology | German | Spanish |
| Public Speaking | AP World History | Microsoft Excel & Access | AP Psychology |
| Pre-Calculus & Analytic Geometry | | Small Business Accounting I & II | |
| Computers for Professionals | | AP Language & Composition | |
| Building Construction 1 & 2 | | Cabinetry & Furniture Design | |



Pathways in this Cluster

- Therapeutic Services
- Diagnostic Services
- Biotechnology Research & Development
- Health Informatics
- Support Services

Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.

Earning Only A High School Diploma

On-The-Job Training and/or Minimal Work Experience

- | | | |
|------------------------------|----------------------|---------------------|
| *Certified Nursing Assistant | *Food Service Worker | *Hospital Admitting |
| *Clerk | *Home Health Aide | |

Earning an Associate Degree or Post-High School Certification

Community or Technical College, Apprenticeship, and/or Experience

- | | | | |
|------------------------|---------------------------------|--------------------|------------------------|
| *EMT / Paramedic | *Radiology Technician | *Dental Hygienist | *Registered Nurse |
| *Home Health Aide | *Medical Assistant | *Dental Assistant | *Surgical Technician |
| *Dialysis Technician | *Translator and Interpreter | *Massage Therapist | *Ultrasound Technician |
| *Physical Therapy Aide | *Occupational Therapy Assistant | | |

Earning a Bachelor, Professional or High Degree

College and University Schooling

- | | | | |
|-------------------------|-------------------------|----------------|---------------------|
| *Athletic Trainer | *Occupational Therapist | *Psychiatrist | *Podiatrist |
| *Chiropractor | *Music Therapist | *Surgeon | *Oral Surgeon |
| *Dentist | *Pharmacist | *Geneticist | *Registered Nurse |
| *Dietician | *Nurse Practitioner | *Hemotherapist | *Biochemist |
| *Primary Care Physician | *Speech Pathologist | *Veterinarian | *Research Scientist |

Recommended Wilmot Courses

(In addition to courses required for graduation)

- | | | | |
|-----------------------------------|----------------------------------|-------------------------------------|------------|
| Medical Terminology | Chemistry | Advanced Algebra | German |
| Child Development | Physics | Health Occupations | Spanish |
| Anatomy & Physiology | Pre-Calculus & Analytic Geometry | AP Psychology | AP Physics |
| Developmental Psychology | Certified Nursing Assistant | Psychology | AP Biology |
| AP Calculus | AP Statistics | Spanish for Healthcare | |
| Introduction to Special Education | Computers for Professionals | PLTW Biomedical Pathway (4 courses) | |



Pathways in this Cluster

- Restaurant and Food/Beverage Services
- Recreation, Amusement & Attractions
- Lodging
- Travel & Tourism

Hospitality and tourism encompass the management, marketing and operations of restaurants and other food services, lodging, attractions, recreation events and travel related services.

Earning Only A High School Diploma

On-The-Job Training and/or Minimal Work Experience

- | | | | |
|------------|-------------------|---------------------|------------------|
| *Janitor | *Hotel Clerk | *Fast Food Employee | *Waiter/Waitress |
| *Bartender | *Concierge | *Housekeeper | *Outdoor Guide |
| *Bellhop | *Short Order Cook | *Tour Guide | *Food Attendant |

Earning an Associate Degree or Post-High School Certification

Community or Technical College, Apprenticeship, and/or Experience

- | | | | |
|---------------|------------------|----------------------|------------------------|
| *Chef | *Event Planner | *Hotel Manager | *Conference Planner |
| *Travel Agent | *Wedding Planner | *Club Management | *Restaurant Management |
| *Translator | *Caterer | *Recreation Director | *Household Management |

Earning a Bachelor, Professional or High Degree

College and University Schooling

- | | | | |
|------------|--------------|------------------|--------------|
| *Archivist | *Historian | *Resort Manager | *Coach |
| *Curator | *Zookeeper | *Musicians Agent | *Brew master |
| *Zoologist | *Park Ranger | *Theatre Manager | |

Recommended Wilmot Courses

(In addition to courses required for graduation)

- | | | | |
|--------------------------|------------------|--------------------|----------------------------|
| Foods & Family | Advanced Foods | Culinary Arts I/II | Chemistry |
| Physics | AP Economics | Business Law | Algebra 2 |
| Pre-Calculus | AP Psychology | AP Statistics | AP Calculus |
| Spanish | German | Worldwide Cuisine | Baking |
| Psychology | Business Seminar | AP World History | Sports Nutrition & Fitness |
| Business Work Experience | | | |



Pathways in this Cluster

- Early Childhood Development & Services
- Counseling & Mental Health Services
- Family & Community Services
- Personal Care Services
- Consumer Services

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

Earning Only A High School Diploma

On-The-Job Training and/or Minimal Work Experience

- | | | | |
|----------------------|-------------------|-----------------|----------------|
| *Aerobics Instructor | *Crossing Guard | *Household Cook | *Tattoo Artist |
| *Nanny | *Home Care Worker | *Homemaker | *Housekeeper |

Earning an Associate Degree or Post-High School Certification

Community or Technical College, Apprenticeship, and/or Experience

- | | | | |
|-------------------|--------------------|------------------|-------------------|
| *Community Worker | *Cosmetologist | *Dry Cleaner | *Funeral Director |
| *Image Consultant | *Massage Therapist | *Nail Technician | *Pet Groomer |

Earning a Bachelor, Professional or High Degree

College and University schooling

- | | | | |
|-----------------------|-------------------|----------------|------------|
| *Addictions Counselor | *Career Counselor | *Clergy | *Dietician |
| *Music Therapist | *School Counselor | *Social Worker | *Optician |
| *Financial Counselor | *Gerontologist | | |

Recommended Wilmot Courses

(In addition to courses required for graduation)

- | | | | |
|----------------------------|-------------------|-----------------------------|---------------|
| Various Music Courses | AP Psychology | AP Biology | AP Statistics |
| Spanish | German | Anatomy & Physiology | Psychology |
| Chemistry | Child Development | AP Literature & Composition | |
| AP Language & Composition | | Sports Nutrition & Fitness | |
| Intro to Special Education | | Woodworking I | |



- Pathways in this Cluster**
- Network Systems
 - Information Support & Services
 - Web & Digital Communications
 - Programming & Software Development

Building Linkages in IT Occupations Framework: For Entry Level, Technical, and Professional Careers Related to the Design, Development, Support and Management of Hardware, Software, Multimedia, and Systems Integration Services.

Earning Only A High School Diploma

On-The-Job Training and/or Minimal Work Experience
Careers in this field require more than minimal experience or on-the-job training

Earning an Associate Degree or Post-High School Certification

Community or Technical College, Apprenticeship, and/or Experience

- | | | |
|------------------------------|--------------------------|--------------------|
| *Computer Support Specialist | *Computer System Analyst | *Recorder Engineer |
| *Sound Manager | *Tool Programmer | *Webmaster |

Earning a Bachelor, Professional or High Degree

College and University Schooling

- | | | |
|---------------------------------------|--------------------------|-------------------------|
| * Animator | * Computer Engineer | * Software Engineer |
| * Video Game Designer | * Database Administrator | * Computer Programmer |
| * Computer Security Specialist | * Software Engineer | * Information Scientist |
| * Scientific & Engineering Programmer | * Illustrator | * Webmaster |

Recommended Wilmot Courses

(In addition to courses required for graduation)

- | | | | |
|----------------------------------|----------------|-----------------------------------|----------------------------|
| Computer Graphics | Drafting 1 & 2 | Psychology | Desktop Design |
| Spanish | German | IT Essentials | AP Psychology |
| AP Art History | AP Calculus | Digital Productions | Marketing Principles 1 & 2 |
| Advanced Computer Graphics | | AP Literature & Composition | |
| Pre-Calculus & Analytic Geometry | | AP Language & Composition | |
| PLTW Intro to Computer Science | | PLTW Computer Science Principles | |
| Computers for Professionals | | Intro to Networking/ Web Concepts | |
| PLTW Computer Science A | | | |



Pathways in this Cluster

- Correction Services
- Emergency & Fire Management Services
- Security & Protective Services
- Law Enforcement Services
- Legal Services

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

Earning Only A High School Diploma

On-The-Job Training and/or Minimal Work Experience

- | | | |
|------------|-----------------|-------------|
| *Lifeguard | *Security Guard | *Dispatcher |
| *Gunsmith | *Locksmith | *Bailiff |

Earning an Associate Degree or Post-High School Certification

Community or Technical College, Apprenticeship, and/or Experience

- | | | |
|---------------------|-----------------------|-----------------------|
| *Building Inspector | *Coast Guard | *Conservation Officer |
| *Court Reporter | *Legal Secretary | *Park Warden |
| *Police Officer | *Private Investigator | |

Earning a Bachelor, Professional or High Degree

College and University Schooling

- | | | |
|---------------------------|----------------|---------------------|
| *Civil Litigator | *Coroner | *Criminal Lawyer |
| *Criminologist | *Federal Agent | *Forensic Scientist |
| *Judge | *Lawyer | *Sociologist |
| *Probation/Parole Officer | *Translator | *Paralegal |

Recommended Wilmot Courses

(In addition to courses required for graduation)

- | | | |
|-----------------------------|------------------------------|------------------|
| AP Psychology | Business Law | Forensic Science |
| Physics | Computers for Professionals | Spanish |
| AP Economics | German | Psychology |
| AP Language & Composition | AP US History | American Law |
| AP Literature & Composition | AP Psychology | Sociology |
| Building Construction 1 & 2 | Cabinetry & Furniture Design | |



Pathways in this Cluster

- Production
- Manufacturing Production Process
- Development
- Health, Safety & Environmental Assurance
- Logistics & Inventory Control
- Maintenance Installation & Repair

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

Earning Only A High School Diploma

On-The-Job Training and/or Minimal Work Experience

- | | | |
|-------------|-------------------------|------------------|
| *Assemblers | *Upholsterer | *Cable Installer |
| *Painter | *Machine Operator | *Welder |
| *Engraver | *Production Wood Worker | *Foundry Worker |

Earning an Associate Degree or Post-High School Certification

Community or Technical College, Apprenticeship, and/or Experience

- | | | |
|--------------------------------|-------------|---------------------------|
| *Industrial Machinery Mechanic | *Millwright | *Manufacturing Technician |
| *Electrician | *Pipefitter | *Welder |
| *HVAC Technician | *Plumber | *Quality Controller |

Earning a Bachelor, Professional or High Degree

College and University Schooling

- | | | |
|---------------------------|--------------------------|----------------------|
| *Design Engineer | *Labor Relations Manager | *Logistician |
| *Quality Control Engineer | *Operations Manager | *Industrial Engineer |
| *Health & Safety Engineer | | |

Recommended Wilmot Courses

(In addition to courses required for graduation)

- | | | |
|------------------------------|------------------------|------------------------------------|
| Woodworking 1 & 2 | General Metals | Advanced Metals |
| Cabinetry & Furniture Design | Power Mechanics I & II | Welding MIG/TIG & Stick/OXY |
| Machining/Fabrication | Building Construction | Business Law |
| Spanish | German | Introduction to Engineering Design |
| PLTW Engineering Pathway | | |



Pathways in this Cluster

- Management & entrepreneurship
- Professional Sales & Marketing
- Marketing Information Management & Research
- Marketing Communication & Promotion
- Distribution & Logistics
- Buying & Merchandising
- E-Marketing

Planning, managing, and performing marketing activities to reach organization objectives.

Earning Only A High School Diploma

On-The-Job Training and/or Minimal Work Experience

- | | | |
|---------------------|-------------------|----------------------------------|
| *Retail Salesperson | *Telemarketer | *Cashier |
| *Travel Agent | *Fashion Retailer | *Auto Salesperson |
| *Antique Dealer | *Sign Maker | *Customer Service Representative |

Earning an Associate Degree or Post-High School Certification

Community or Technical College, Apprenticeship, and/or Experience

- | | | |
|-------------------------|-----------------|--------------------|
| *Account Representative | *Agent | *Desktop Publisher |
| *Importer/Exporter | *Media Buyer | *Mortgage Broker |
| *Real Estate Agent | *Web Technician | *Webmaster |

Earning a Bachelor, Professional or High Degree

College and University Schooling

- | | | |
|-----------------------|-----------------------|-------------------------|
| *Appraiser | *Logistic Specialist | *Market Researcher |
| *Association Manager | *Marketing Specialist | *Advertising Copywriter |
| *Sales Representative | *Sports Marketing | *Website Designer |

Recommended Wilmot Courses

(In addition to courses required for graduation)

- | | | |
|-----------------------------|--|----------------------------------|
| Introduction to Business | German | Psychology |
| Marketing Principles 1 & 2 | AP Psychology | Spanish |
| Business Law | Business Seminar | Small Business Accounting I & II |
| Computer Graphics | Digital Productions | AP Economics |
| AP Calculus | AP Statistics | Advanced Accounting |
| Consumer Auto | Pre-Calculus | iDesign |
| Desktop Design | Business Management & Entrepreneurship | |
| Computers for Professionals | Building Construction 1 & 2 | |



- Pathways in this Cluster**
- Engineering & Technology
 - Science & Math

Planning, managing and providing scientific research and professional and technical services including laboratory and testing services, and research and development services.

Earning Only A High School Diploma

On-The-Job Training and/or Minimal Work Experience

- | | | |
|---------------------------|---------------------|-----------------|
| *Appliance Repair | *Electronics Repair | *Taxidermist |
| *Medical Transcriptionist | *Statistical Clerk | *Machine Repair |

Earning an Associate Degree or Post-High School Certification

Community or Technical College, Apprenticeship, and/or Experience

- | | | |
|------------------------------------|------------------------------------|------------------------|
| *Biological Technician | *Chemical Technician | *Veterinary Technician |
| *Civil Engineering Technician | *Nuclear Technician | *Petroleum Technician |
| *Mathematical Technician | *Mechanical Engineering Technician | |
| *Industrial Engineering Technician | | |

Earning a Bachelor, Professional or High Degree

College and University Schooling

- | | | |
|----------------------|-------------------|--------------------------|
| *Biomedical Engineer | *Civil Engineer | *Mechanical Engineer |
| *Physicist | *Mathematician | *Geologist |
| *Statistician | *Nuclear Engineer | *Math or Science Teacher |

Recommended Wilmot Courses

(In addition to courses required for graduation)

- | | | |
|----------------------------------|---|---------------------------|
| Biology | Spanish | German |
| Welding MIG/TIG & Stick/OXY | Woodworking I & II | Physics |
| Chemistry | Drafting /Autocad I & II | General Metals |
| Forensic Science | Pre-Calculus | Power Mechanics I & II |
| Machining & Fabrication | AP Calculus | Advanced Drafting/Autocad |
| Architectural Autocad | AP Biology | AP Physics |
| AP Statistics | Building & Construction 1 & 2 | |
| PLTW Biomedical Sciences Pathway | | |
| PLTW Engineering Pathway | PLTW Computer Science Engineering Pathway | |



Pathways in this Cluster

- Logistics Planning & Management Service
- Warehouse & Distribution Center Operations
- Facility & Mobile Equipment Maintenance
- Infrastructure Planning & Management
- Transportation Systems Infrastructure
- Transportation Operations
- Sales & Service

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

Earning Only A High School Diploma

On-The-Job Training and/or Minimal Work Experience

- | | | |
|---------------------|------------------|-----------------|
| *Bus Driver | *Delivery Driver | *Highway Worker |
| *Ticket Clerk | *Deckhand | *Cab Driver |
| *Light Truck Driver | *Shipping Clerk | *Traffic Clerk |

Earning an Associate Degree or Post-High School Certification

Community or Technical College, Apprenticeship, and/or Experience

- | | | |
|--------------------------|-----------------------|---------------------|
| *Aircraft Mechanic | *Auto Body Technician | *Automobile Painter |
| *Cartographic Technician | *Diesel Technician | *Travel Agent |
| *Flight Attendant | *Security Consultant | |

Earning a Bachelor, Professional or High Degree

College and University Schooling

- | | | |
|-----------------------------------|---------------------------|--------------------|
| * Industrial & Packaging Engineer | * Air Traffic Controller | * Astronaut |
| *Mechanical Engineer | *Customs Broker | * Airline Pilot |
| *Urban & Regional Planner | *Public Health Sanitarian | *Facility Engineer |
| *Operations Analyst | | |

Recommended Wilmot Courses

(In addition to courses required for graduation)

- | | | |
|--------------------------|----------------------------|-----------------------------|
| Woodworking 1 & 2 | Power Mechanics I & II | Spanish |
| Auto Technology I & II | German | General Metals |
| Machining/Fabrication | Technical Math | Welding MIG/TIG & Stick OXY |
| Business Law | Probability & Statistics | Physics |
| Introduction to Business | Marketing Principles 1 & 2 | PLTW Engineering Pathways |



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)

ART305 Sculpture & Jewelry (E)

ART401 Advanced Drawing & Painting (E)

ART404 Visual Literacy & Technology (E)

ART504 AP 3-D Studio Art (E)

ART103 Digital Photography (E)

ART304 Portfolio I (E)

ART403 Portfolio II (E)

ART501 AP Studio Art (E)

SOPHOMORE YEAR

JUNIOR YEAR

SENIOR YEAR

R = Required course at indicated grade level

E = Elective course at indicated grade level

ART102 - Art I

This is an introductory level studio art course, designed for students with all artistic ability levels and skills. Students will explore various materials, techniques, concepts, and processes essential to understanding the visual arts and the role of the artist. Students will work on individual projects and studio studies to develop basic drawing and painting skills, to understand design concepts, and further develop hand-eye coordination and fine-motor skills. The art assignments are designed to enhance and nourish such skills as creative problem solving and critical thinking, while developing the student's individual style. Students will demonstrate their ability to respond, to analyze, and to interpret their own artwork and the work of others through discussions and critiques.

Credits: 1.00

Grades: 9-12

Prerequisites: None

Laude Points: 0

ART103 - Digital Photography

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.

Credits: 0.50

Grades: 11-12

Prerequisites: None

Laude Points: 0

ART201 - Art II

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.

Credits: 1.00

Grades: 9-12

Prerequisites: ART102 - Art I

ART202 - Computer Graphics

This course is designed to provide an opportunity for students to explore the possibilities of using technology in a contemporary art and design field. Students will receive basic training on software and peripherals with which professional digital artists and designers must be familiar: Adobe Photoshop (photo manipulation and compositing), Adobe Illustrator (graphic design and production), and Adobe InDesign (publication layout design and print-ready process). Students will learn the design process which can be applied in any field of post-secondary study. Any student considering an art and design career will find this course extremely valuable.

Credits: 0.50

Grades: 9-12

Prerequisites: ART102 - Art I or concurrently

Laude Points: 0

ART203 - Beginning Ceramics

This class will introduce students to the beauty of ceramics. We will focus on three hand-building techniques, pinch methods, coil processes, and slab methods. Students will create functional and decorative clay pieces while learning various ways to form and manipulate clay. A variety of glazing and

decoration techniques will be introduced as well. Students will be able to independently create art pieces... beginning with a sketched idea, and culminating in a finished product.

Credits: 0.50

Grades: 9-12

Prerequisites: ART102 - Art I

Laude Points: 0

ART301 - Drawing and Painting

This course is intended to enhance student's abilities in drawing and painting 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 traditional studies. Students' experience will include some of the following: pencil, marker, pen and ink, chalk pastels, oil pastels, charcoals, scratchboards, watercolors, acrylics, tempera, and mixed media. The class setting is similar to an art college studio class. All advanced art students are welcome! It is recommended to take Drawing & Painting, along with Advanced Drawing & Painting prior to enrolling in AP Studio.

Credits: 0.50

Grades: 10-12

Prerequisites: ART201 - Art II

Laude Points: 0

ART302 - Advanced Computer Graphics

This is a full year course for students, who are interested in improving their artistic and design skills. In addition to working with Adobe software (PhotoShop, Illustrator, InDesign, Flash, etc.), students will develop strong visual skills, learn the beauty of typography, understand the process of publishing, product development, and web design. Templates and pre-made designs will not be used in this class. All the above skills can be applied to a future career as a graphic artist/designer, and are very desired by employers in any career field.

Credits: 1.00

Grades: 10-12

Prerequisites: ART202 - Computer Graphics

Laude Points: 0

ART303 - Ceramics II

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.

Credits: 0.50

Grades: 9-12

Prerequisites: ART203 - Beginning Ceramics

Laude Points: 0

ART304 - Portfolio I

This course focuses on the creation and preparation of artwork, electronic portfolio development, and experimenting in various processes. 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 post-secondary school applications and admissions.

Credits: 0.50

Grades: 11-12

Prerequisites: ART201 - Art II

Laude Points: 0

ART305 - Sculpture and Jewelry

This is a course for students who want to learn to create three-dimensional artwork. Students will have an opportunity to create sculptures, reliefs, jewelry pieces, and collages. Each project will focus on a specific media, giving students a chance to work in many art forms, most of which they haven't tried yet.

Credits: 0.50

Grades: 10-12

Prerequisites: ART102 - Art I

Laude Points: 0

ART401 - Advanced Drawing and Painting

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 can be added to their portfolio. Focus of the class is to promote critical thinking in addition to refining their skills. It is recommended to take Drawing & Painting, along with Advanced Drawing & Painting prior to enrolling in AP Studio.

Credits: 0.50

Grades: 10-12

Prerequisites: ART301 - Drawing and Painting

Laude Points: 0

ART403 - Portfolio II

Continuation of Portfolio I.

This course focuses on the creation and preparation of artwork, electronic portfolio development, and experimenting in various processes. 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 post-secondary school applications and admissions.

Credits: 0.50

Grades: 11-12

Prerequisites: ART304 - Portfolio I

Laude Points: 0

ART404 - Visual Literacy and Technology

This career-oriented class is an introduction to graphic design and desktop publishing. It is suitable for all artistic skill levels. Special emphasis will be given to commercial design, production, and basic composition and technology concepts. No prior art

experience is required for this class - students will learn Art Theory through assignments and projects that will help them develop the necessary visual skills. No single template will be used in this class for students' design assignments - instead, starting from scratch and developing their own designs, choosing color schemes, producing finished products from a thumbnail to a finished design - all of it will give students a strong foundation for creating and appreciating art.

Credits: 1.00

Grades: 9-12

Prerequisites: None

Laude Points: 0

ART501 - AP Studio Art

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.

Credits: 1.00

Grades: 11-12

Prerequisites: ART201 - Art II

Laude Points: 2

College Credit: AP

ART504 - AP 3-D Studio Art

This course is intended for the serious art student who is interested in expanding and refining their knowledge and skills in ceramics and sculpture. It offers students an exciting opportunity to establish

and develop a more personal direction in art. It is not intended for students who have a “casual interest” in art. Students will need to get some work done outside and beyond the scheduled period. All works created in this course should be high-quality finished pieces. There should be an overall appearance of refined technique and solid application of skills. Each piece must reflect the development of visual perception and maturity, creative ideas.

Credits: 1.00

Grades: 10-12

Prerequisites: ART303 - Ceramics II

Laude Points: 2

College Credit: AP



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)		
BIT222 Digital Productions (E)		
BIT224 Desktop Design (E)		
BIT225 iDesign (E)		
BIT226 Small Business Accounting II (E)		
BIT232 IT Essentials (E)		
BIT233 Introduction to Computer Science (PLTW)(E)		
BIT333 Computer Science and Software Engineering (E)		
SOPHOMORE YEAR	BIT301 Marketing Principles II (E)	
	BIT302 Advanced Accounting (E)	
	BIT303 Business Management & Entrepreneurship (E)	
	BIT304 Business Seminar/Business Work Experience (E)	
	BIT402 Computer Science A (PLTW) (E)	
	BIT401 Financial Literacy (R)	
	BIT401 Financial Literacy (R)	
JUNIOR YEAR		
SENIOR YEAR		

Wilmot Union High School Graduation Requirement: 0.5 Financial Literacy Credits

R = Required course at indicated grade level

E = Elective course at indicated grade level

BIT101 – Introduction to Business

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.

Credits: 0.50

Grades: 9-11

Prerequisites: none

Laude Points: 0

BIT121 – Computers for Professionals

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.

Credits: 0.50

Grades: 9-12

Prerequisites:

Laude Points: 2

College Credit: T

BIT132 – Introduction to Networking/Web Concepts

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.

Credits: 1

Grades: 9-12

Prerequisites: BIT121 –Computers for Professionals or Counselor Approval

Laude Points: 2

College Credit: T

BIT201 – Marketing Principles 1

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.

Credits: 0.50

Grades: 10-12

Prerequisites: BIT101 – Introduction to Business

Laude Points: 2

College Credit: T

BIT202 – Small Business Accounting I

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.

CAPP Credit: Students who complete Small Business Accounting I, Small Business Accounting II, and Advanced Accounting will receive college credit from Lakeland College.

Credits: 0.50

Grades: 10-12

Prerequisites:

Laude Points: 0

College Credit:

BIT203 – Business Law

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.

Credits: 0.50

Grades: 10-12

Prerequisites: None

Laude Points: 0

BIT204 – Leadership & Development

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.

Credits: 0.50

Grades: 10-12

Prerequisites: None

Laude Points: 0

BIT222 – Digital Productions

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.

Credits: 0.50

Grades: 9-12

Prerequisites: None

Laude Points: 0

BIT224 – Desktop Design

This course will teach students Adobe InDesign CS6, the program used by the professionals and taught at colleges and universities. Students will create page design, integrate text and graphics from other software programs, edit the copy, adjust the graphics and add design touches to produce

professional-quality documents quickly and easily. In this project-based course students will create DVD covers, calendars, brochures, newsletters, business forms, magazine covers, etc.

Credits: 0.50

Grades: 9-12

Prerequisites: None

Laude Points: 0

BIT225 – iDesign

In this project-based course, students will learn to use Apple’s iLife suite (iPhoto, iMovie & Garageband) and iWork suite (Pages, Keynote, & Numbers) applications. Projects will include commercials, slideshows, and many other business/career related projects.

Credits: 0.50

Grades: 9-12

Prerequisites: None

Laude Points: 0

BIT226 – Small Business Accounting II

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.

CAPP Credit: Students who complete Small Business Accounting I, Small Business Accounting II, and Advanced Accounting will receive college credit from Lakeland College.

Credits: 0.50

Grades: 10-12

Prerequisites: BIT202 –Small Business Accounting I

Laude Points: 0

College Credit:

BIT232 – IT Essentials

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.

Credits: 1

Grades: 9-12

Prerequisites: BIT121 –Computers for Professionals or Counselor Approval

Laude Points: 2

College Credit: T

BIT233 – Introduction to Computer Science (PLTW)

Designed to be the first computer science course for students who have never programmed before, ICS is the starting point for the PLTW Computer Science program. Students work in teams to create simple apps for mobile devices using MIT App Inventor®. Students explore the impact of computing in society and the application of computing across career paths and build skills and awareness in digital citizenship and cybersecurity. Students model, simulate, and analyze data about themselves and their interests. They also transfer the understanding of programming gained in App Inventor to learn introductory elements of text-based programming in Python® to create strategy games.

Credits: .5

Grades: 9-12

Prerequisites:

Laude Points: 2

College Credit: PLTW

BIT301 – Marketing Principles 2

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.

Credits: 0.50

Grades: 11-12

Prerequisites: BIT201 – Marketing Principles 1

Laude Points: 1

College Credit: T

BIT302 – Advanced Accounting

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.

CAPP Credit: Students who complete Small Business Accounting I, Small Business Accounting II, and Advanced Accounting will receive college credit from Lakeland College.

Credits: 1.00

Grades: 11-12

Prerequisites: BIT226 Small Business Accounting II

Laude Points: 1

College Credit: A

BIT303 – Business Management & Entrepreneurship

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.

Credits: 1.00

Grades: 11-12

Prerequisites: BIT101 or BIT201 and Instructor Approval

Laude Points: 2

College Credit: T

BIT304 – Business Seminar/Business Work Experience

Students will learn about careers, employability skills, soft skills, business practices, and how to conduct themselves in a professional and ethical manner. This program can also combine in-school instruction with paid employment in an area business. Early release time is available. Students may achieve an Apprenticeship Certificate from the Department of Workforce Development, Marketing Skills Certificate or Employability Certificate from DPI in Madison by completing this program. One credit is obtained from the classroom experience and an additional 2 credits may be obtained from work

experience (credits are determined by the amount of hours worked).

Credits: 1.00

Grades: 11-12

Prerequisites:

Laude Points: 1

College Credit: A

BIT333 - Computer Science Principles (PLTW)

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

Course Syllabus:

Credits: 1.00

Grades: 10-12

Prerequisites: BIT233 - Introduction to Computer Science (PLTW)

Laude Points: 2

College Credit: PLTW

BIT401 - Financial Literacy

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.

Credits: 0.50

Grades: 12

Prerequisites: Senior Standing (required for graduation)

Laude Points: 0

College Credit: AS

BIT402 - Computer Science A (PLTW)

Computer Science A focuses on further developing computational-thinking skills through the medium of Android™ App development for mobile platforms. The course utilizes industry-standard tools such as Android Studio, Java™ programming language, XML, and device emulators. Students collaborate to create original solutions to problems of their own choosing by designing and implementing user interfaces and Web-based databases.

Credits: 1.00

Grades: 11-12

Prerequisites: BIT333 CSP (PLTW)

Laude Points: 2

College Credit: PLTW



ENGLISH

Department Course Offerings (Sophomore – Senior Year)

ENG202
English II (R)

ENG302
American
Literature (R)

ENG402
Senior Literature &
Composition (R)

ENG203
Honors
English II (R)

ENG501
Junior AP Language &
Composition (E)

ENG502
Senior AP Literature &
Composition (E)

SOPHOMORE YEAR

JUNIOR YEAR

SENIOR YEAR

Wilmot Union High School Graduation Requirement: 4 English Credits

R = Required course at indicated grade level

E = Elective course at indicated grade level

ENG090 – Nonfiction Reading Strategies

Students will learn and apply research-based strategies to improve their engagement with and comprehension of nonfiction texts. Students will learn background knowledge and academic vocabulary that will enhance their comprehension of nonfiction texts. Curriculum will focus on Common Core 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 curriculum.

Credits: 0.5

Grades: 9

Prerequisites: none

Laude Points: 0

ENG102 – English I

In this year long course, students review essential grammar skills, develop vocabulary, and write compositions for several purposes. Literature is studied by genre and focuses on developing critical reading and analytical skills.

Credits: 1.00

Grades: 9

Prerequisites: none

Laude Points: 0

ENG103 – Honors English I

This year long course focuses on developing composition and critical thinking skills of students at a faster and more in-depth pace of study.

Composition instruction includes all varieties, utilizing the five paragraph essay format. Effective communication strategies are practiced through both written and oral communication tasks. Challenging short stories and several novels will be read, discussed and analyzed, leading to independent and group work.

Credits: 1.00

Grades: 9

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

Laude Points: 1

ENG202 – English II

This year long course covers literature, thematic composition and research writing, oral/listening communication skills. Composition instruction focuses on developing skills in sentence style/structure, thesis/paragraph development, transition use, coherence, unity, and vocabulary, skills necessary for post high school writing.

Syllabus: ENG202

Credits: 1.00

Grades: 10

Prerequisites: ENG102 – English I

Laude Points: 0

ENG203 – Honors English II

This year long course introduces the rhetorical strategies to the various modes of academic speaking, writing and research. Challenging literature from a variety of genres will be read, discussed and analyzed leading to independent and group work. Students deepen their study of literature by analyzing works in terms of specific literary elements and responding to works using literary analysis. The focus in composition is on sentence structure, style, thesis development, coherence, unity and vocabulary. Effective communication strategies will be practiced through both written and oral communication tasks. Instruction is directed specifically to the skills and habits required of future college students.

Credits: 1.00

Grades: 10

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

Laude Points: 1

ENG302 – American Literature

This year long course presents a survey of multicultural American literature from the colonial period to the present, focusing on vocabulary, grammar, close reading, and literary analysis skills. Several compositions, written for a variety of purposes, are produced during the year, and direct students in the skills required for post-high school writing.

Syllabus: ENG302

Credits: 1.00

Grades: 11

Prerequisites: junior level standing

Laude Points: 0

ENG402 – Senior Literature & Composition

Senior Literature and composition is a year course in world literature and composition. Students will read and analyze works of world literature from a variety of authors and genres. They will contrast major literary forms, techniques, and characteristics of the major literary periods and they will relate the literary works and authors to the major themes and issues of these eras. Emphasis in the writing process is on the essay, research paper, and analysis of themes in the literature.

Credits: 1.00

Grades: 12

Prerequisites: senior level standing

Laude Points: 0

ENG501 – Jr. AP Language & Composition

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.

Credits: 1.00

Grades: 11

Prerequisites: English I & II

Laude Points: 2

College Credit: A/AP

ENG502 – Sr. AP Literature & Composition

This course, approved by the College Board, engages students in close reading and critical analysis of literature, focusing on how the formalistic 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.

Credits: 1.00

Grades: 12

Prerequisites: English I & II

Laude Points: 2

College Credit: AP



FAMILY & CONSUMER SCIENCE

Department Course Offerings (Sophomore – Senior Year)

FCS101 Foods & Family Management (E)

FCS102 Fashion & Clothing I (E)

FCS103 Interior Design (E)

FCS201 Advanced Foods (E)

FCS202 Fashion Design (E)

FCS203 Sports Nutrition & Fitness (E)

FCS204 Child Development (E)

FCS301 Baking (E)

FCS302 Worldwide Cuisine

FCS304 Medical Terminology (E)

FCS104 Relationships (E)

FCS303 Assistant Child Care Teacher/Foundations of Early Childhood (E)

FCS401 Culinary Arts I (E)

FCS402 Culinary Arts II (E)

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

SOPHOMORE YEAR

JUNIOR YEAR

SENIOR YEAR

R = Required course at indicated grade level

E = Elective course at indicated grade level

FCS101 – Foods & Family Management

This introductory class provides students with many opportunities to develop their cooking and cooperative working skills. Emphasis is placed on the basic skills of food preparation related to the My Plate dietary guidelines. Some of the units taught include: ingredient measurement, deciphering recipes, nutritional contributions of food, time management and meal planning.

Credits: 0.50

Grades: 9-12

Prerequisites: none

Laude Points: 0

FCS102 – Fashion & Clothing I

Interested in a career in Fashion Retailing or Fashion Design? Elements, principles, trends and color in Fashion Design are emphasized. An introduction to simple sewing techniques, which will include sewing projects, which complete the course. All students are required to purchase all of their own fabric, sewing tools and notions.

Credits: 0.50

Grades: 9-12

Prerequisites: none

Laude Points: 0

FCS103 – Interior Design

This course will explore housing needs, elements and principles of design, technical and style terminology, core design concepts and life style analysis. The emphasis is on interior design skills for careers in the expanding housing industry. Students may choose to complete the CAD design Course plus the Interior Design Course and earn a B or better in both classes in order to receive 3 credits through Gateway.

Credits: 0.50

Grades: 9-12

Prerequisites:

Laude Points: 0

FCS104 – Relationships

This course is designed to explore individual and family responsibilities for successful navigation of contemporary living. It includes such areas as personality development, self-esteem, friendship, dating, mate selection, marriage, families and career options in family and social services. This course aids students in developing human relationship skills and equips students to develop the best physical and emotional environments for present and future families.

Credits: 0.50

Grades: 11-12

Prerequisites: junior standing or greater

Laude Points: 0

FCS201 – Advanced Foods

Learn what it takes to develop advanced food preparation skills. This course is designed to build upon the knowledge learned in the Foods and Family Management Class. It is also a preparation for students that may want to take World Wide Cuisine, Baking and/or Culinary Arts classes. Students will explore: cooking, baking, meal planning, knife skills and how to successfully prepare nutritional foods with various ingredients and techniques.

Credits: 0.50

Grades: 9-12

Prerequisites: FCS101 – Foods & Family Management

Laude Points: 0

FCS202 – Fashion Design

The students will explore the creative process and develop skills to be successful in the field of Fashion Design. This course will emphasize design concepts, sketching, draping, pattern-making, career exploration and advanced sewing in garment construction. Come and discover the designer in you by constructing your own fashion wear and accessories. All students are required to purchase all of their own fabric, sewing tools and notions.

Syllabus: FCS202

Credits: 0.50

Grades: 10-12

Prerequisites: FCS102 – Fashion & Clothing I

Laude Points: 0

FCS203 – Sports Nutrition & Fitness

Learn about connections between athletic performance, diet, exercise, sports, fitness and nutrition. Analyze the importance of healthy weight management to overall wellness for today and across the lifespan. Become a well-informed consumer of nutritional information. Prepare foods that will enhance athletic performance and support weight management; as well as recognize the contribution to wellness and how this allows you to be at your personal best.

Credits: 0.50

Grades: 10-12

Prerequisites: FCS101 – Foods & Family Management

Laude Points: 0

FCS204 – Child Development

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.

Credits: 0.50

Grades: 10-12

Prerequisites: sophomore or greater standing

Laude Points: 0

FCS301 – Baking

This course is designed for students who love to bake. This class is centered around 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.

Credits: 0.50

Grades: 10-12

Prerequisites: FCS201 Advanced Foods

Laude Points: 0

FCS302 – Worldwide Cuisine

Experience international culinary techniques from several foreign cuisines such as; Italian, German, Scandinavian, Oriental, Mexican and American. This course is designed for the student who desires to learn advanced food preparation methods and who enjoys creative cooking and sampling of a wide variety of foods and cultures.

Credits: 0.50

Grades: 10-12

Prerequisites: FCS201 Advanced Foods

Laude Points: 0

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

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.

Credits: 0.50

Grades: 11-12

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

Laude Points: 2

College Credit: T

FCS304 – Medical Terminology

This course is an in-depth study of Medical Terminology where students memorize Latin roots, prefixes, and suffixes; as well as combined Latin elements to learn entire body systems, processes, and medical procedures. This course also provides an overview of human anatomy and an introduction to language used in a variety of Healthcare Professions.

Credits: .5

Grades: 10-12

Prerequisites: None

Laude Points: 2

College Credit: T

FCS401 – Culinary Arts I

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.

Credits: 1.00

Grades: 11-12

Prerequisites: FCS301 or FCS302

Laude Points: 0

FCS402 – Culinary Arts II

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, and 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.

Credits: 1.00

Grades: 12

Prerequisites: FCS101 – Culinary Arts I earning a C or better

Laude Points: 1

College Credit: AS

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

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.

Credits: 2.00

Grades: 12

Prerequisites: FCS303 - ACCT

Laude Points: 2

College Credit: T

ProStart Culinary Work Experience

The course is designed for those interested in pursuing careers in the Culinary and Hospitality Industry. Culinary I is the first step in completing the ProStart Program, and/or the Gateway Technical College Articulation. The ProStart program is implemented through the National Restaurant Association Education Foundation. It is a two year program. One credit is obtained from the classroom experience and an additional 1.0 credit each semester may be obtained from work experience. To receive the ProStart Certificate of Achievement.

Credits: Up to 2.0 Credits for working in a culinary setting

Grades: 11-12

Prerequisites: Concurrent with Culinary Arts I and/or II

Laude Points: 0



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 identical to those taught on the UW-Whitewater campus.

Tuition for the PIE courses is currently about 1/3 of regular university tuition.

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

SOC313 - Introduction to Human Development

Students will be educated on basic psychology theories of development from early childhood through adolescence; cognitive, biosocial domains of human development will be covered. Theorists include, but not limited to, Piaget, Kohlberg, Vygotsky and Erikson. Behavioral, Cognitive, and Social Cognitive views of learning and personality development will be covered along with intelligences, gender differences, and learning styles for best educational practices. Students will apply their knowledge of human development and current issues to application-based pedagogy and will better understand the needs of their students.

Credits: 0.50

Grades: 10-12

Prerequisites: sophomore or greater standing

Laude Points: 2

College Credit: T

ITP102 - Intro to Special Education

- Introduce the characteristics of Exceptional Learners and their education, emphasizing classroom practices, psychological, sociological and medical aspects.
- Focus on planning and adjusting instruction for the exceptional learner
- Understand federal laws and state regulations that relate to classroom practice and special education

Credits: 0.50

Grades: 11-12

Prerequisites: none

Laude Points: 2

College Credit: T

ITP103 – Teaching Practicum and Effective Teaching Practices

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.

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.

Credits: 0.50

Grades: 12

Prerequisites:

Laude Points: 0

ITP104 – Current Trends and Issues in Education

- Explain the role of public education in the United States, while shaping the student's knowledge for analysis of the current trends and issues in present public education.
- Understand roles/responsibilities of those within public schools, common core, collaboration, PI34, Educator Effectives state teaching, standards, content and grade level standards, advancements in neuroscience and technology.

Credits: 0.50

Grades: 11-12

Prerequisites:

Laude Points: 0



MATH

Department Course Offerings (Sophomore – Senior Year)

MTH202 Geometry (R)		
MTH203 Honors Geometry (E)		
MTH301 Algebra 2 (R)		
MTH302 Honors Algebra 2 (E)		
MTH401 Pre-Calculus & Analytic Geometry (E)		
MTH402 Honors Pre-Calculus & Analytic Geometry (E)		
SOPHOMORE YEAR	MTH501 AP Calculus AB (E)	
	MTH502 AP Statistics (E)	
	MTH503 AP Calculus BC (E)	
	MTH304 Financial Algebra (E)	
	MTH313 Technical Mathematics (E)	
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 level

MTH102 - Algebra

This course focuses on solving linear equations and inequalities, linear functions, systems of linear equations and inequalities, quadratic equations, and polynomials. Geometry, probability, and statistics are integrated throughout the course. Successful completion of this course satisfies the Algebra requirement for graduation.

Credits: 1.00

Grades: 9

Prerequisites: none

Laude Points: 0

MTH202 - Geometry

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. Proof, as well as coordinate and transformational methods, are integrated into the course. Successful completion of this course satisfies the Geometry requirement for graduation.

Credits: 1.00

Grades: 9-10

Prerequisites: Algebra

Laude Points: 0

MTH203 - Honors Geometry

This course covers much of the content of regular Geometry course, plus additional topics. The use of proof will be emphasized, and material will be covered in depth, in a more conceptual manner and at a more rigorous pace than regular Geometry. 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.

Credits: 1.00

Grades: 9-10

Prerequisites: Algebra and Teacher Recommendation

Laude Points: 1

MTH301 - Algebra 2

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

Credits: 1.00

Grades: 9-12

Prerequisites: Algebra & Geometry

Laude Points: 0

MTH302 - Honors Algebra 2

This college-prep course is intended for the above-average math student, and covers much the content of an Advanced Algebra course. Material will be covered in depth in a more conceptual manner, and at a more rigorous pace than regular Advanced Algebra. This course is recommended for students that plan on enrolling in AP Calculus and/or AP Statistics.

Credits: 1.00

Grades: 9-11

Prerequisites: Honors Geometry and Teacher Recommendation

Laude Points: 1

MTH304 - Financial Algebra

This course combines algebraic and graphical approaches with practical business and personal finance applications. Coverage includes piecewise functions, regression limits, exponential functions, and linear and quadratic systems. Students will learn about investments, credit, expenses, insurance, income tax, and budgeting.

Credits: 1

Grades: 12

Prerequisites: Algebra 2

Laude Points: 0

MTH313 – Technical Mathematics

Topics include: solving linear, quadratic, and rational equations; graphing; formula rearrangement; solving systems of equations; percent; proportions; measurement systems; computational geometry; trigonometry; and operations on polynomials. This course is similar to a first year technical college course.

Credits: 1.00

Grades: 12

Prerequisites: Geometry

Laude Points: 0

MTH401 – Pre-calculus & Analytic Geometry

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.

Credits: 1.00

Grades: 10-12

Prerequisites: Algebra 2

Laude Points: 0

MTH402 – Honors Pre-calculus & Analytic Geometry

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 in a more conceptual manner, and at a more rigorous pace. This course is recommended for students that plan on taking AP Calculus.

Credits: 1.00

Grades: 10-12

Prerequisite: Honors Algebra 2 and Teacher recommendation

Laude Points: 1

MTH501 – AP Calculus AB

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.

Credits: 1.00

Grades: 11-12

Prerequisites: MTH401 or MTH402

Laude Points: 2

College Credit: AP

MTH502 – AP Statistics

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. AP Statistics may be taken concurrently with a pre-calculus course.

Credits: 1.00

Grades: 11-12

Prerequisites: MTH302 or MTH301 and Teacher Recommendation
Laude Points: 2
College Credit: AP

MTH503 - AP Calculus BC

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.

Credits: 1

Grades: 11-12

Prerequisites: Students must have completed MTH402 - Honors Precalculus & Analytic Geometry with teacher recommendation. This course is also appropriate for those who have passed MTH501 - AP Calculus AB.

Laude Points: 2

College Credit: AP



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)

MUS303 Jazz Ensemble (E)

MUS304 Treble Choir (E)

MUS305 Vocal Ensemble (E)

MUS306 Theater Technology (E)

MUS308 Intro to Music Theory (E)

SOPHOMORE YEAR

JUNIOR YEAR

SENIOR YEAR

R = Required course at indicated grade level

E = Elective course at indicated grade level

MUS104 – Percussion Ensemble

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

Credits: 0.50

Grades: 9-12

Prerequisites: none

Laude Points: 0

MUS105 – Music Appreciation



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.

Credits: .5

Grades: 9-12

Prerequisites: None

Laude Points: 0

MUS201 – Red and White Concert Band

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.

Credits: 1.00

Grades: 9-12

Prerequisites: none

Laude Points: 0

MUS202 – Panther Concert Band

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.

Credits: 1.00

Grades: 9-12

Prerequisites: none

Laude Points: 0

MUS203 – Orchestra

This course is open to all students 9-12 who play violin, viola, cello or bass. Music studied will be for string orchestra. Previous experience playing a stringed instrument is required.

Credits: 1.00

Grades: 9-12

Prerequisites: none

Laude Points: 0

MUS204 – Concert Choir

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.

Credits: 1.00

Grades: 9-12

Prerequisites: none

Laude Points: 0

MUS301 – Honors Wind Ensemble

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.

Credits: 1.00

Grades: 10-12

Prerequisites: audition and selection

Laude Points: 1

MUS303 – Jazz Ensemble

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.

Credits: 0.50

Grades: 10-12

Prerequisites:

Laude Points: 0

MUS304 – Treble Choir

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.

Credits: 1.00

Grades: 9-12

Prerequisites: Teacher Approval

Laude Points: 0

MUS305 – Vocal Ensemble

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.

Credits: 1.00

Grades: 9-12

Prerequisites: Audition

Laude Points: 0

MUS306 – Theater Technology

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

Course Syllabus: Theater Tech

Credits: 0.50

Grades: 10-12

Prerequisites:

Laude Points: 0

MUS308 – Intro to Music Theory

This class is designed for students who love music, as well as students who seek to enrich their knowledge of music fundamentals. The purpose of this course is for students to develop skills that will lead to a thorough understanding of music theory and music composition/arranging.

Credits: .5

Grades: 9-12

Prerequisites: None

Laude Points: 0

MUS307 – Jazz History/Theory

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 be successful if they choose to take the AP Music Theory Exam. *Student will be responsible for the AP exam fee.*

Some of these concepts include:

- Musical Terminology
- Notational Skills
- Basic Compositional Skills
- Score Analysis
- Aural Skills

Credits: .5

Grades: 9-12

Prerequisites: None

Laude Points: 0



PHYSICAL EDUCATION/ HEALTH

Department Course Offerings (Sophomore – Senior Year)

PHY201 Physical Education II (R)

PHY301 Team Sports (E)

PHY302 Individual & Recreational Activities (E)

PHY304 Personal Wellness (E)

PHY305 Aerobics & Rhythms (E)

PHY401 Weight Training (E)

PHY402 Total Body Fitness (E)

SOPHOMORE YEAR

JUNIOR YEAR

SENIOR YEAR

Wilnot 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

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

Credits must be earned over three separate years.

PHY101 – Physical Education I

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, basketball, flag football, softball, table tennis, baggo, badminton, floor hockey, and soccer. Fitness units will include powerwalking, aerobics, weight lifting and yoga. Many of the Wisconsin Model Academic Standards for Physical Education are met upon successful completion of this course.

Credits: 0.50

Grades: 9

Prerequisites:

Laude Points: 0

PHY201 – Physical Education II

This course will focus on giving the student an overview of team and individual sports, as well as making them aware of their own wellness and physical fitness. Activities such as lacrosse, archery, pickleball, spikeball and volleyball are just a few of the activities that will be covered. The student will learn rules, skills, and strategies of participating in

these activities. Students will be evaluated on their knowledge of the activity, ability, and willingness to participate. Students will also learn the importance of a healthy lifestyle. All of the Wisconsin Model Academic Standards for Physical Education are met upon successful completion of PE I and PE II.

Credits: 0.50

Grades: 9-10

Prerequisites: PHY101 – Physical Education I

Laude Points: 0

PHY301 – Team Sports

Team Sports is an elective physical education course designed for students who have successfully completed PHY ED 101 and PHY ED 201. This course will cover five major team sports. The possible sports are basketball, flag football, volleyball, soccer, floor hockey, softball and lacrosse. The Team Sports course will incorporate **ALL** areas of the sport from participation, officiating, 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.

Credits: 0.50

Grades: 9-12

Prerequisites: PHY201 – Physical Education II

Laude Points: 0

PHY302 – Individual & Recreational Activities

The Individual and Recreational Activities course is designed to encourage and motivate students to maintain a lifestyle that promotes healthy and beneficial activity. This course provides diverse offerings to meet the individual needs of all students and to develop competency in lifetime activities. Some of the sports and activities included, but not limited to, are archery, baggos, basketball,

badminton, bowling, football, golf, horseshoes, kickball, ladder ball, ping pong, power walking, six base, pickleball, slow-pitch softball, ultimate frisbee, and volleyball. In addition, the fitness center will be incorporated to include cardio endurance and resistance training. The student will be expected to demonstrate knowledge of basic rules through practical application. It is also expected that all students will actively participate in all activities presented and demonstrate responsible personal and social behavior.

The specific units presented will be dependent upon class size, weather, gymnasium space, class dynamics, and equipment availability. Students will be expected to wear the required Wilmot Physical Education uniform.

Credits: 0.50

Grades: 9-12

Prerequisites: PHY201 – Physical Education II

Laude Points: 0

PHY304 – Personal Wellness

This program is designed to offer the student a wide variety of cardiovascular and fitness activities in order to enhance personal wellness. Cardiovascular activities will include treadmill, elliptical, biking, jogging, power walking, circuit training and aerobics. In addition, other components of health-related fitness such as flexibility, muscular strength, body composition, and muscular endurance will be assessed and addressed with specific activities incorporated throughout the semester course. The individual needs to be **self-motivated** if interested in taking this course.

Credits: 0.50

Grades: 9-12

Prerequisites: PHY201 – Physical Education II

Laude Points: 0

PHY305 – Aerobics and Rhythms

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

Credits: 0.50

Grades: 9-12

Prerequisites: PHY201 – Physical Education II

Laude Points: 0

PHY401 – Weight Training

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 body weight exercises, cardiovascular workouts (treadmill, bike, elliptical, track), and high intensity cross-fit circuit workouts.

Credits: 0.50

Grades: 9-12

Prerequisites: PHY201 – Physical Education II

Laude Points: 0

PHY402 – Total Body Fitness

This course is designed to offer the student a wide variety of health enhancing physical fitness activities. Activities will include both anaerobic and aerobic workouts. Such activities will include lifting weights, performing body weight exercises, cardiovascular workouts (treadmill, bike, elliptical, track), and high intensity cross-fit circuit workouts. An individual who elects to take this course must be highly motivated

and ready to work hard day in and day out. This course is definitely not a walk in the park!

Credits: .5

Grades: 10-12

Prerequisites: PHY401 Weight Training

Laude Points: 0

HLT101 - Health Education

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.

Credits: 0.50

Grades: 9

Prerequisites: none

Laude Points: 0



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)

SCI210 Environmental Sustainability (PLTW) (E)

SCI303 Physics (E)

SCI304 Horticulture (E)

SCI306 Honors Physics (E)

SCI503 AP Environmental Science (E)

SCI305 Anatomy & Physiology (E)

SCI307 Forensic Science (E)

SCI308 Medical Interventions (PLTW)(E)

SCI501 AP Biology (E)

SCI502 AP Physics (E)

SCI401 Biomedical Innovations
(PLTW) (E)

SOPHOMORE YEAR

JUNIOR YEAR

SENIOR YEAR

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

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.

Credits: 1.00

Grades: 9

Prerequisites:

Laude Points: 0

SCI103 - Honors Biology

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.

Credits: 1.00

Grades: 9

Prerequisites: Counselor Placement

Laude Points: 1

SCI104 - Principles of the Biomedical Sciences

This is the first of four courses in the Project Lead the Way Biomedical Sciences Program. Student work involves the study of human medicine, research processes, an introduction to bioinformatics, and the use of computer science, mathematics, and information theory to model and analyze biological systems. Students investigate the human body systems and various health conditions including: heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. They

determine the factors that led to the death of a fictional person, and investigate lifestyle choices and medical treatments that might have prolonged the person's life. Key biological concepts including homeostasis, metabolism, inheritance of traits, feedback systems, and defense against disease are embedded in the curriculum. Engineering principles including the design process, feedback loops, and the relationship of structure to function are incorporated in the curriculum.

Credits: 1.00

Grades: 9-12

Prerequisite:

Laude Points: 2

College Credit: PLTW

SCI205 - Chemistry

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.

Credits: 1.00

Grades: 10-12

Prerequisites:

Laude Points: 0

SCI206 - Honors Chemistry

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.

Credits: 1.00

Grades: 10-12

Prerequisite: Honors Biology or Teacher Recommendation

Laude Points: 1

SCI207 - Human Body Systems

This is the second of four courses in the Biomedical Sciences Program. 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. Laude points will be given to sophomore and junior students only.

Credits: 1.00

Grades: 10-12

Prerequisites: SCI104 Prin. Of Biomedical Sciences or Teacher Recommendation

Laude Points: 2

College Credit: PLTW

SCI208 - Geology and Astronomy

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.

Credits: .5

Grades: 10-12

Prerequisites:

Laude Points: 0

SCI209 - Oceanography and Climatology

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. 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.

Credits: .5

Grades: 10-12

Prerequisites:

Laude Points: 0

SCI212 - Environmental Sustainability

Environmental Sustainability (ES) is a high school-level specialization course in PLTW. In ES, students investigate and design solutions to solve real-world challenges related to clean drinking water, a stable food supply, and renewable energy. Students are introduced to environmental issues and use the engineering design process to research and design potential solutions. Utilizing the activity, project, problem-based (APB) teaching and learning pedagogy, students transition from completing structured activities to solving open-ended projects and problems that require them to develop planning, documentation, communication, and other professional skills.

Credits: 1.0

Grades: 10-12

Prerequisites:

Laude Points: 2

College Credit: PLTW

SCI303 - Physics

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.

Credits: 1.00

Grades: 10-12

Prerequisites:

Laude Points: 0

SCI304 - Horticulture

This half-credit course will offer a survey of the major phases of plant growth and management. Students will learn about the morphology, ecology and diversity of plants as well as the factors needed for plant growth: light, temperature, nutrients, water and pH. Greenhouse experiences will include seed germination, tissue culture, germinating cuttings, transplanting and garden planning. A culminating experience is our spring plant sale to the Wilmot Union High School community.

Credits: 0.50

Grades: 10-12

Prerequisites:

Laude Points: 0

SCI305 - Anatomy & Physiology

This full year course will offer a comprehensive overview of human anatomy and physiology: functions, structures, and numerous dysfunctions of the human body. This rigorous course is important for any student who is considering a career in science, medicine, health, physical fitness or physical therapy.

Credits: 1.00

Grades: 11-12

Prerequisites:

Laude Points: 0

SCI306 - Honors Physics

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.

Credits: 1.00

Grades: 10-12

Prerequisites:

Laude Points: 1

SCI307 - Forensic Science

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 such areas as fingerprinting, physical evidence, forensic anthropology and forensic serology.

Credits: 0.50

Grades: 11-12

Prerequisites:

Laude Points: 0

SCI308 - Medical Interventions

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. Laude points will be given to junior students only.

Credits: 1.0

Grades: 11-12

Prerequisites: PBS, HBS, Teacher Recommendation

Laude Points: 2

College Credit: PLTW

SCI501 - AP Biology

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.

Credits: 1.0

Grades: 11-12

Prerequisites: Chemistry

Laude Points: 2

College Credit: A/AP

SCI401 - Biomedical Innovations

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.

Credits: 1.0

Grades: 12

Prerequisites: PBS, HBS, MI, Teacher Recommendation

Laude Points: 2

College Credit: PLTW

SCI502 - AP Physics

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 understand kinematics of how objects move. Students will understand forces and Newton's laws. Students will understand gravity and circular motion. Students will understand work, energy, power and momentum. Students will understand torque and rotational motion. Students will understand simple harmonic motion, waves and sound. Students will understand principles of static and current electricity. Students will have the opportunity to complete hands on laboratory activities for each of these topics. Students will also use their lab data to create graphs in Excel, using their data to discover the relationships between variables. In doing so, students will use scientific inquiry skills to discover some of the laws of physics on their own. Laude points will be given to junior students only.

Credits: 1.0

Grades: 11-12

Prerequisites: Physics or Honors Physics

Laude Points: 2

College Credit: A/AP

SCI503 - AP Environmental Science

AP Environmental Science investigates modern environmental issues integrating concepts from biology, earth science and chemistry. The course is designed to provide students with the scientific principles, concepts and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Students will participate in field studies to collect and analyze authentic data and to evaluate specific environments. Length of course - full year/one class period per day. Students who are admitted to the course are expected to take the Advanced Placement examination in May and may earn college credit. Laude points will be given to sophomore and juniors students only.

Credits: 1.00

Grades: 10-12

Prerequisites:

Laude Points: 2

College Credit: AP



SOCIAL STUDIES

Department Course Offerings (Sophomore – Senior Year)

SOC201 World History (R)

SOC301 U.S. History (R)

SOC401 Economics (R)

SOC103 World Geography (E)

SOC503 AP Economics (E)

SOC302 Wisconsin History (E)

SOC305 Sociology (E)

SOC306 Psychology (E)

SOC309 American Law: Your Bill of Rights (E)

SOC402 The Civil War (E)

SOC501 AP U.S. History (E)

SOC502 AP Psychology (E)

SOC312 Academic Decathlon (E)

SOC313 Introduction to Human Development (E)

SOC504 AP World History (E)

SOC505 AP Human Geography (E)

SOPHOMORE YEAR

JUNIOR YEAR

SENIOR YEAR

Wilmot Union High School Graduation Requirement: 4 Social Studies Credits

R = Required course at indicated grade level

E = Elective course at indicated grade level

SOC101 – Civics

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.

Credits: 0.50

Grades: 9

Prerequisites:

Laude Points: 0

SOC102 – Global Studies

This required semester long course taken during the freshman year, 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.

SOC505 – AP Human Geography fulfills the freshman SOC102 – Global Studies requirement.

Credits: 0.50

Grades: 9

Prerequisites:

Laude Points: 0

SOC103 – World Geography

A semester course to study man's relation to earth, the land areas, boundaries, the production from these areas, and the routes for transporting these products. Cultural and physical geography encompass this course.

Credits: 0.50

Grades: 9-10

Prerequisites:

Laude Points: 0

SOC201 – World History

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

Credits: 1.00

Grades: 10

Prerequisites:

Laude Points: 0

SOC301 – U.S. History

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

Credits: 1.00

Grades: 11

Prerequisites:

Laude Points: 0

SOC302 – Wisconsin History

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.

Credits: 0.50

Grades: 11-12

Prerequisites: None

Laude Points: 0

SOC305 – Sociology

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.

Credits: 0.50

Grades: 11-12

Prerequisites:

Laude Points: 0

SOC306 – Psychology

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 juniors and seniors. Sophomores planning to enroll in AP Psychology during their junior year will be admitted to this course.

Credits: 0.50

Grades: 11-12

Prerequisites:

Laude Points: 0

SOC309 – American Law: Your Bill of Rights

This semester course taken during the junior or senior year, will focus on the law as it applies to the individual rights of citizens. Clear distinctions will be made between rights of minors and adults as well as the rights of students in and out of school. The course of study will parallel the Bill of Rights and apply those amendments to the 21st century lives of the student. Resource materials will include the Constitution, Wisconsin Statutes, WUHS school policy and handbook, relevant court cases emphasized and supplemental readings. Liberal use of expert guest speakers will be implemented. Internet usage for research will be ongoing.

Credits: 0.50

Grades: 11-12

Prerequisites: SOC101 – Civics

Laude Points: 0

SOC312 – Academic Decathlon

This two semester course is geared for anyone (grades 9-12) 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.

Credits: 0.50

Grades: 9-12

Prerequisites:

SOC313 – Introduction to Human Development

This semester course taken during the sophomore, junior or senior year is offered with a nod to the future educator and will inform students of basic psychology theories of development from early childhood through adolescence: cognitive, biosocial domains of human development will be covered. Theorists to be studied include but are not limited to Piaget, Kohlberg, Vygotsky and Erikson. Behavioral, cognitive, and social cognitive views of learning and personality development will be covered along with intelligences, gender differences, and learning styles for best educational practices. Students will apply their knowledge of human development and current issues to application-based pedagogy and will better understand the needs of their students.

Credits: 0.50

Grades: 10-12

Prerequisites:

Laude Points: 2

College Credit: T

SOC401 – Economics

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. As 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

Credits: 0.50

Grades: 12

Prerequisites:

Laude Points:

SOC402 – The Civil War

This semester course taken during the junior or senior year will offer a more comprehensive look into the major events of the American Civil War, more than just the general survey of U.S. History. These events include but are not limited to the Compromise of 1850, the beginning of abolition societies, the debate over the federal government's power, John Brown's Raid, individual battle strategies and tactics, and reconstruction. The course will offer opportunity for cross-curriculum activities.

Credits: 0.50

Grades: 11-12

Prerequisites:

Laude Points: 0

SOC501 – AP U.S. History

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. This is a weighted class and will receive additional points towards determining grade point and class standing.

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

Credits: 1.00

Grades: 11-12

Prerequisites: SOC201 – World History

Laude Points: 2

College Credit: AP

SOC502 – AP Psychology

This two semester course can be taken during the 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. This is a weighted class and will receive additional points towards determining grade point and class standing.

Credits: 1.00

Grades: 11-12

Prerequisites:

Laude Points: 2

College Credit: AP

SOC503 – AP Economics

This two semester course can be taken during the 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. This is a weighted class and will receive additional points towards determining grade point and class standing.

Credits: 1.00

Grades: 12

Prerequisites:

Laude Points: 2

College Credit: AP

SOC504 – AP World History

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. This is a weighted class and will receive additional points towards determining grade point and class standing.

AP World History fulfills the SOC201 World History requirement

Credits: 1

Grades: 10-12

Prerequisites: SOC504 – AP World History

Laude Points: 2

College Credit: AP

SOC505 - AP Human Geography

This two semester course can be taken during the 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. This is a weighted class and will receive additional points towards determining grade point and class standing.

AP Human Geography fulfills the SOC102 Global Studies requirement

Credits: 1.00

Grades: 9-12

Prerequisites:

Laude Points: 2

College Credit: AP



TECHNOLOGY & ENGINEERING

Department Course Offerings (Sophomore – Senior Year)

TAE105 General Metals (E)		
TAE101 Woodworking I (E)		
TAE103 Drafting I/AutoCAD (E)		
TAE106 Power Mechanics (E)		
TAE107 Introduction to Engineering Design (PLTW) (E)		
TAE202 Drafting II/AutoCAD (E)		
TAE203 Powersports Mechanics (E)		
TAE204 Woodworking II (E)		
TAE205 Welding: MIG/TIG (E)		
TAE206 Machining & Fabrication (E)		
TAE207 Principles of Engineering (PLTW) (E)		
TAE208 Welding: Stick/Oxy Fuel (E)		
TAE300 Digital Electronics (PLTW) (E)		
TAE302 Architectural Drafting & Design (E)		
TAE304 Advanced Metals (E)		
TAE305 Consumer Automotive (E)		
TAE306 Building Construction I (E)		
TAE403 Automotive Service Fundamentals (E)		
TAE404 Automotive Electrical & Electronic Systems (E)		
TAE405 Civil Engineering & Architecture (PLTW) (E)		
	TAE301 Advanced Drafting/AutoCAD (E)	
	TAE303 Cabinet & Furniture Design & Construction (E)	
	TAE402 Building Construction II (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

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.

Credits: 0.50

Grades: 9-12

Prerequisites:

Laude Points: 0

TAE103 - Drafting I / AutoCAD

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. Students must complete Drafting I plus Drafting II or Interior Design Course and earn a B or better in both classes in order to receive 3 credits through Gateway.

Syllabus: **TAE103**

Credits: 0.50

Grades: 9-12

Prerequisites:

Laude Points: 0

College Credit: A

TAE105 - General Metals

Course Description

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

Credits: 0.50

95

Grades: 9-10

Prerequisites:

Laude Points: 0

TAE106 - Power Mechanics

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 Briggs & Stratton lawnmower engine, which they must furnish, during the semester.

Credits: 0.50

Grades: 9-12

Prerequisites:

Laude Points: 0

TAE107 - Introduction to Engineering Design (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. Prerequisite for Principles of Engineering (POE). Students can also receive college credit from Gateway Technical College.

Credits: 1.00

Grades: 9-12

Prerequisites: MTH102 - Algebra

Laude Points: 2

College Credit: A/PLTW

TAE202 – Drafting II / AutoCAD

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

Credits: 0.50

Grades: 9-12

Prerequisites: TAE103 – Drafting I / AutoCAD

Laude Points: 0

College Credit: A

TAE205 – Welding: MIG/TIG

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.

Credits: 0.50

Grades: 10-12

Prerequisites: TAE105 – General Metals

Laude Points: 0

TAE203 – Powersports Mechanics

A semester course involving the study, repair, and maintenance of gas powered equipment and powersports. Areas of study include: Engines, chassis design, and power trains. Students will supply their own project.

Credits: 0.50

Grades: 10-12

Prerequisites: TAE106 – Power Mechanics

Laude Points: 0

TAE206 – Machining & Fabrication

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.

Credits: 0.50

Grades: 10-12

Prerequisites: TAE105 – General Metals

Laude Points: 0

TAE204 – Woodworking II

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.

Credits: 0.50

Grades: 9-12

Prerequisites: TAE101 – Woodworking I; Juniors and seniors are exempt from pre-requisite with instructor approval

Laude Points: 0

TAE207 – Principles of Engineering (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.

Credits: 1.00

Grades: 10-12

Prerequisites: TAE107 - Introduction to Engineering Design (PLTW) with a grade earned of a C or better.

Laude Points: 2

College Credit: A/PLTW

TAE208 - Welding: Stick/Oxy Fuel

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.

Credits: 0.50

Grades: 10-12

Prerequisites: TAE105 - General Metals

Laude Points: 0

TAE300 - Digital Electronics (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.

Credits: 1.00

Grades: 10-12

Prerequisites: TAE107 - Introduction to Engineering Design (PLTW)

Laude Points: 2

College Credit: A/PLTW

TAE301 - Advanced Drafting / AutoCAD

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).

Credits: 0.50

Grades: 11-12

Prerequisites: TAE202 - Drafting II / AutoCAD

Laude Points: 1

TAE302 - Architectural Drafting & Design

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.

Credits: 0.50

Grades: 9-12

Prerequisites: TAE103 - Drafting I / AutoCAD

Laude Points: 0

TAE303 - Cabinet & Furniture Design & Construction

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 individually design and construct 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.

Credits: 1.00

Grades: 11-12

Prerequisites: TAE204 – Woodworking II

Laude Points: 0

TAE304 – Advanced Metals

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.

Credits: 0.50

Grades: 10-12

Prerequisites: TAE205 Welding MIG/TIG

Laude Points: 0

TAE305 – Consumer Automotive

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.

Credits: 0.50

Grades: 10-12

Prerequisites:

Laude Points: 0

TAE306 – Building Construction I

This course is designed to introduce students to the fundamental skills and vocabulary used in the building trades. This introductory course provides the students a hands-on opportunity to explore the construction field, basic home repair including the proper use of many hand and power tools. This course uses building labs to introduce students to many phases of residential construction in a logical order. Units on safety, construction math, and measurement will expose students to some of the fundamental skills used in construction. This course allows organized, self-motivated, responsible students to capitalize on the important skills of successful trades people while preparing for more advanced construction courses.

Credits: 1.00

Grades: 10-12

Prerequisites: TAE101 – Woodworking I

Laude Points: 0

TAE402 – Building Construction II

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.

Credits: 1

Grades: 11-12

Prerequisites: TAE306 Building Construction I

Laude Points: 0

TAE403 – Automotive Service Fundamentals

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.

Credits: 0.50

Grades: 10-12

Prerequisites: TAE106 - Power Mechanics

Laude Points: 2

College Credit: T

TAE404 - Automotive Electrical & Electronic Systems

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.

Credits: 0.50

Grades: 10-12

Prerequisites: TAE403 - Automotive Service Fundamentals

Laude Points: 2

College Credit: T

TAE405 - Civil Engineering & Architecture (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.

Credits: 1.00

Grades: 10-12

Prerequisites: TAE107 - Introduction to Engineering Design (PLTW)

Laude Points: 2

College Credit: A/PLTW

TAE406 - Engineering Design & Development (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 synthesizes 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.

Credits: 1.00

Grades: 11-12

Prerequisites: TAE406 - Engineering Design & Development (PLTW)

Laude Points: 2

College Credit: A/PLTW



WORLD LANGUAGE

Department Course Offerings (Sophomore – Senior Year)

WDL101 Spanish I (E)		
WDL102 German I (E)		
WDL201 Spanish II (E)		
WDL202 German II (E)		
WDLA12 German American Partnership Program GAPP (E)		
SOPHOMORE YEAR	WDL301 Spanish III(E)	
	WDL302 German III (E)	
	WDLA04 Spanish for Health Care (E)	
	JUNIOR YEAR	WDLA01 Spanish IV (E)
		WDLA02 German IV (E)
	SENIOR YEAR	

R = Required course at indicated grade level

E = Elective course at indicated grade level

WDL101 - Spanish I

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. Emphasis is on Mexico and South America. The target language is used as much as possible.

Credits: 1.00

Grades: 9-12

Prerequisites:

Laude Points: 1

WDL102 - German I

A year study of the language through reading, writing, listening and speaking. Students will learn about the German culture. The target language is used as much as possible.

Credits: 1.00

Grades: 9-12

Prerequisites:

Laude Points:0

WDL201 - Spanish II

A year long course of the language with emphasis on speaking and use of correct grammar and vocabulary. The Spanish language is spoken by the teacher and the students.

Credits: 1.00

Grades: 10-12

Prerequisites: WDL101 - Spanish I

Laude Points: 0

WDL202 - German II

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.

Credits: 1.00

Grades: 10-12

Prerequisites: WDL102 - German I

Laude Points: 0

WDL301 - Spanish III

This year long course will place emphasis on speaking and comprehension. Students will use all tenses and begin the subjunctive mood. There will be a study of Spanish literature and history. The class will be entirely in Spanish.

Credits: 1.00

Grades: 11-12

Prerequisites: WDL201 - Spanish II

Laude Points: 0

WDL302 - German III

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

Credits: 1.00

Grades: 11-12

Prerequisites: WDL202 - German II

Laude Points: 0

WDL401 - Spanish IV

This class offers an intensive study of the Spanish language using grammar. 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.

Credits: 1.00

Grades: 12

Prerequisites: WDL301 - Spanish III

Laude Points: 0

WDL402 - German IV

A higher level of language proficiency will be achieved. The course will be taught in the German language, and student use of the language on a daily basis is expected. Reading literature, writing short essays, and speaking in German will be emphasized, and some larger projects will be completed.

Discussions pertaining to the German culture, history and current issues will be held on a regular basis. Previously learned grammar concepts will be reviewed and mastered, in addition to learning the remaining grammatical concepts of the language.

Credits: 1.00

Grades: 12

Prerequisites: WDL302 German III

Laude Points: 0

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.

Credits: 0.25

Grades: 9-12

Prerequisites:

Laude Points: 0

WDL404 - Spanish for Health Care

This semester long course would focus 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.

Credits: .5

Grades: 11-12

Prerequisites: 1st semester of WDL301 - Spanish III

Laude Points: 0

WDL412 - GAPP

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