

Wilmot Union High School

Academic & Career
Planning Guide

2026-2027



Academic Resources

Course Offerings

Career & Post-Secondary Planning

Wilmot Union High School Mission Statement

Preparing college, career, and civic ready graduates

District Vision

Becoming a destination district.



HIGH SCHOOL OFFICE AND ADMINISTRATION

(262) 862-2351

STUDENT SERVICES OFFICE

(262) 862-2351 ext. 334

For a detailed listing of our current course offerings please visit the following website.

[Wilmot Union High School](#)
[Academic Career Planning Guide](#)

GRADUATION REQUIREMENTS

Subject	WUHS Minimum Graduation Requirements	Minimum Requirements for College Admission*	Recommendation for Highly Selective Colleges**
English	4	4 college bound credits recommend AP level	4 – 5 credits including AP level
Math	3	3 credits to include Algebra, Geometry & Algebra II	4 credits including AP level
Science	3	3 credits to include Bio, Chem & Physics, Recommend AP level	4 + credits to include Biology, Chemistry, Physics including AP level
Social Sciences	3	3 credits Recommend AP level	4 + credits including AP level
World Language	0	Varies from college to college	4 credits of the same language
Financial Literacy	0.5		
Health	0.5		
Physical Education	1.5 (only 0.50 credit per year counts toward graduation requirements)		
Fine Arts	0		1 or more credits of performing arts required for some schools
Electives	8.5	4 Academic Electives	Academic Electives Recommended
Total	24	17 + Academic Credits	20 + Academic Credits

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

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

GRADUATION PLANNING GUIDE

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

English	1.00 Credit
**Math	1.00 Credit
Physical Education	0.50 Credit
Health	0.50 Credit
Biology	1.00 Credit
US History	1.00 Credit
Elective	minimum 1.00 Credit

SOPHOMORE YEAR

English	1.00 Credit
**Math	1.00 Credit
*Physical Education	0.50 Credit
Chemistry	1.00 Credit
World History	1.00 Credit
Electives minimum	1.50 Credit

JUNIOR YEAR

English	1.00 Credit
**Math	1.00 Credit
*Physical Education	0.50 Credit
*Science	1.00 Credit
Government	0.50 Credit
Electives minimum	2.00 Credits

SENIOR YEAR

English	1.00 Credit
Financial Literacy	0.50 Credit
Social Science Elec	0.50 Credit
Electives minimum	4.00 Credit

Social Sciences Update and Course Selection Guide

	24-25	25-26	26-27
Class of 2026	United States History	Social Sciences Elective 0.5cr	
Class of 2027	World History	American Government	Social Sciences Elective 0.5cr
Class of 2028	United States History	World History	American Government

**The most common sequence of courses is Algebra, Geometry & Algebra 2. One year of Algebra and one year of Geometry are required for graduation. 7th and 8th grade students who earn credit in Algebra and/or Geometry at Wilmot Union High School or at their respective feeder school that has a transcribed agreement with WUHS will receive GPA credit for those courses. WUHS strongly recommends that those students still enroll in 2 more years of math at the high school level.

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

EARLY GRADUATION

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

- 1) How will early graduation enhance your future goals?
- 2) What research/specific steps have you done/taken to be certain that your goals are realistic?
- 3) What, if any, background experience do you have in preparation for or related to your above mentioned goals?
- 4) Any interest in Start College Now, Early College Credit Program, or PACC/PIE courses?

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

GRADUATION CEREMONY PARTICIPATION

A student will not receive a signed diploma until all Wilmot Union High School requirements have been fulfilled. Students who graduate early may participate in the graduation ceremony with their graduating class. Participation in the commencement ceremony is a privilege which can be revoked by an administrator.

Students must be within 1 credit of meeting the graduation requirements, by 3pm on the Thursday prior to graduation, in order to participate in the Graduation Ceremony.

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 selection
March	<ul style="list-style-type: none"> Individual Course Registration completed by March 1st State Deadline - ECCP/SCN applications are due March 1st for fall semester courses. Course registration requests will be adjusted upon acceptance into the ECCP/SCN Program
April/May	<ul style="list-style-type: none"> Schedule change requests are available by appointment with students' school counselor
June/July	<ul style="list-style-type: none"> Final course request changes are due June 1st Summer School is in session School counselors will be in their offices on a limited basis. Students and parents may contact school counselors via email for any scheduling questions Final schedules are available once the annual online registration is completed by a parent/guardian
August/ 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 with School Counselors begin
October	<ul style="list-style-type: none"> State Deadline - ECCP/SCN applications are due October 1st for spring course requests. Student schedules will be adjusted based upon acceptance into the ECCP/SCN Program Continuation of Individual Planning Conferences with School Counselors
November	<ul style="list-style-type: none"> Continuation of Individual Planning Conferences with School Counselors
December	<ul style="list-style-type: none"> Continuation of Individual Planning Conferences with School Counselors

[Instructions for Accessing On-Line Registration via Student Access](#)

SCHEDULE CHANGES

Each year a new master schedule is created to accommodate students' course requests. Faculty members are employed, textbooks are purchased, and rooms are assigned based on these requests. Changes in elective choices will not be approved after **June 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 three days of a semester if:

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

SPECIAL SCHEDULING OPTIONS

COURSE REVIEW (RETAKE)

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

COURSE FAILURES

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

COURSE AUDIT

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

INDEPENDENT STUDY

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

EXTERNAL CREDIT

CORRESPONDENCE COURSE CREDIT

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

TRANSFER CREDITS

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

SUMMER SCHOOL INFORMATION

SUMMER ENRICHMENT PROGRAM - 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 School Counselor assigned to the student to arrange a teacher, parent, student, counselor 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. If the problem is not resolved, proceed to step #6
6. The parent should contact the District Administrator to discuss the issue.

GRADING INFORMATION

STANDARDS BASED GRADING (SBG)

The purpose of grading at WUHS is to communicate students' current levels of learning.

Shifting to standards-based learning and grading aligns with our work as a Professional Learning Community and ensures fair, accurate, and informative grading to launch student learning and growth. Success is measured against standards, not other factors (behavior, extra credit, and/or teacher) or other students.

For more information on SBG at Wilmot, visit our website:

[Wilmot Union High School - Standards Based 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		
Grade	Unweighted	Weighted (Honors/AP)
A	4.00	5.00
A-	3.67	4.67
B+	3.33	4.33
B	3.00	4.00
B-	2.67	3.67
C+	2.33	3.33

C	2.00	3.00
C-	1.67	2.67
D+	1.33	2.33
D	1.00	2.00
D-	0.67	1.67
F	0.00	0.00

Students will earn weighted grades (5.0 scale) for all AP courses, transcribed dual credit courses taught at WUHS, Start College Now/Early College Credit Program courses, Honors courses, and all PLTW courses.

The Honors Distinctions would be the following, and based on cumulative weighted GPA after the 7th semester:

- A. Summa Cum Laude (with Highest Honor/Distinction): 4.0 or higher
- B. Magna Cum Laude (with Great Honor/Distinction): 3.75-3.99
- C. Cum Laude (with Honor/Distinction): 3.5-3.74

CLASS RANK

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

The Southern Lakes Conference Top 10 is based on weighted GPA 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 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.

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 transcribed Geometry, Algebra, and/or Spanish will receive GPA credit for those courses as long as state criteria is met. WUHS strongly recommends that those students still enroll in 2 more years of math at the high school level.



[PACC - Parkside Access to College Credit](#)

WHAT IS PACC?

Earn College Credits in High School

The Parkside Access to College Credit Program (PACC), is an equitable concurrent enrollment program at the University of Wisconsin-Parkside. Concurrent enrollment refers to programs that enable you to enroll in courses that earn both high school and college credit, taught by university-authorized high school teachers at the high school during the regular school day. These programs increase your access to higher education, shorten the time to degree, lower the cost of college for you, and improve high school-college relationships. High school juniors and seniors, (sophomores by exception) in good academic standing and on track to graduate in four years are eligible to participate in PACC.

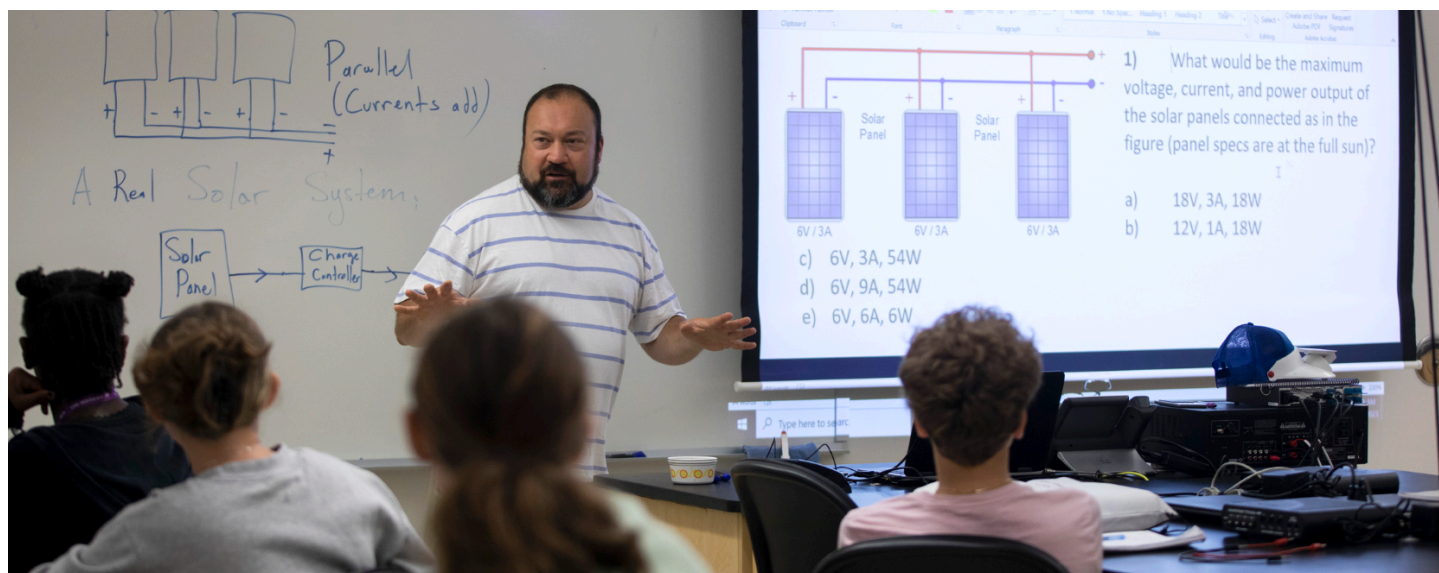
PACC courses will appear on your UW-Parkside transcript. PACC courses are the same courses as those available at the UW-Parkside campus. Your high school teacher and a UW-Parkside faculty member work together to develop these college-level courses within your high school.

PACC Courses Offered at Wilmot Union High School

- ENG 101: Composition and Reading
- HIST 101: Origins to Reconstruction
- HIST 102: Reconstruction to Recent Time
- MUS 1101: Fundamentals of Music
- MUS 106: Jazz Appreciation
- MATH 203: Intermediate Stats
- EDU 110: Foundations of Education

COLLEGE CREDIT IN HIGH SCHOOL

UW-WHITWATER



College Credit in High School allows high school students to earn college credit while still in high school. Qualified high school teachers lead a course with an approved university syllabus, allowing students to experience the pace, rigor, and expectations of a college campus. Course grades appear on a UW-Whitewater college transcript and are accepted as college credit on our campus or transferred to other accredited colleges or universities. Students should create a profile through **Transferology** and check with those institutions about their transfer policies. Tuition for college courses in your high school is \$110 per credit as of the 2025-26 academic year.

College Credit in High School Courses Offered

- ENG504: The Contemporary Novel
- ENG505: Multicultural Literature of the United States
- ITP102: Intro to Special Education



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

AP Parent Meeting

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

AP Exams

AP Exams are given during the first full two weeks 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.

Advanced Placement Courses Offered at Wilmot Union High School

- AP Studio Art and Design 2D
- AP Language and Composition
- AP Literature and Composition
- AP Biology
- AP Chemistry
- AP Calculus AB
- AP Calculus BC
- AP Physics
- AP Economics
- AP Psychology
- AP World History
- AP Environmental Science
- AP Human Geography
- AP PreCalculus
- AP Comp Gov/Pol
- AP Microeconomics
- AP Macroeconomics
- AP US Gov & Politics

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

HONORS LEVEL COURSE INFORMATION

Honors 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.

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

The ECCP and SCN programs allow all public high school students (juniors and seniors only for SCN) 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 $\frac{1}{4}$ high school credit. The program opens the door to greater learning opportunities for students who are considering a technical career, students wishing to begin college early, or students who want to prepare to enter the workforce immediately after high school graduation. **Please see your school counselor for information regarding this option and pick up an enrollment packet that will guide you through the application process.**

All information must be returned to your School Counselor by the following dates:

SCHOOL YEAR	SEMESTER	STATE FINAL REGISTRATION DEADLINE DATE
Next Academic Year	First	March 1
Current Academic Year	Second	October 1

EARN COLLEGE CREDIT IN HIGH SCHOOL

Wilmot Union High School offers a variety of options for college credit. This includes, AP courses, SCN/ECCP, and PLTW courses. WUHS also offers a variety of dual-credit and transcribed courses taught by WUHS staff. These can easily be found on our ACP Homepage <https://www.wilmothighschool.com/acp/acp-courses.cfm> by filtering the courses with the *College Credit* filter settings.

Transcribed: A transcribed course indicates that the Wilmot Union High School teacher is teaching the college's course (Gateway, UW-Whitewater, or UW-Parkside). Teachers have permission to teach this course at WUHS using the course description and curriculum from the college. Students can earn dual credit (high school and college credits) in any of our transcribed courses from the college/university the course is associated with.

Dual Credit: Though the transcribed courses provide the opportunity for dual credit,

students can earn both high school and college credits through SCN/ECCP courses or through the CNA program. Transcribed courses are not the only route to dual credit, but since they are taught by WUHS staff and built into the master schedule, sometimes students find this to be the best route to begin to earn college credits.



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.

WORK BASED LEARNING OPTIONS

Wilmot Union High School students have many opportunities to learn about the world of work. In fact, the majority of high school students work sometime during their high school years. Students who participate in school-supervised work-based learning have additional opportunities to learn employability skills and, with many programs, occupational-skills related to their high school courses. School-supervised work-based learning reinforces the connection between work and school, provides a chance for meaningful contact with adults/mentors, improves their chances for successful employment as young adults, and helps solidify career interests. For further information, please contact the main office at 262-862-2351.

Program Requirements:

- Academics and attendance in good standing
- Junior (11th) or senior (12th)
- No Article I Code of Conduct violations
- Completed application
- Recommendations may be required

State-certified Youth Apprenticeship (1 or 2 years)

Youth Apprenticeship (YA) is a specific state-certified, school-supervised work-based learning program, operated by Wisconsin's Department of Workforce Development (DWD). YA integrates school-based and work-based learning to instruct students in employability and occupational skills defined by Wisconsin industries. All YA programs include Employability Skills Certification. Some YA Programs may include a DWD-certified Pre-Apprenticeship Program Certification. Students receive a minimum 450 hours in one calendar year for a Level I YA and a minimum 900 hours in two calendar years for a Level II YA.

Employability Credit

An employment experience of a minimum of 160 hours during the school year. This experience may be repeated for a total of 1 credit (320 hours). This is a Pass/Fail course. A maximum of one (1) credit may be earned towards graduation.

*May be released from a maximum of 2 periods.

* Upon completion of each semester, students must submit proof of hours worked to their school counselor, i.e. paystubs, email from supervisor verifying hours.

Certified Nursing Assistant (C.N.A.) Hosted at Wilmot Union High School

Prerequisite: Students wishing to enroll in this program at Wilmot will need to fill out a *Contract for Service* form available in Student Services, pass a background check and receive vaccines

Credit: 0.5 for Gateway Technical College course plus up to an additional 1.0 credit for working in a C.N.A. job

Grades: 11-12

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

Wilmot Union High School Teacher Assistant (T.A.) Program Policy

Updated for 2025–2026 School Year

Program Overview

The Wilmot Union High School T.A. Program offers students a valuable opportunity to serve as Teacher Assistants (T.A.s) during the school day. This elective allows students to gain practical experience, build professional skills, and support the learning environment in meaningful ways. T.A.s are placed with a supervising teacher or staff member for one class period per day. This non-academic elective earns students $\frac{1}{4}$ credit per semester and is graded on a Pass/Fail basis.

Eligibility Requirements

To qualify as a T.A., students must meet the following:

- Be a junior or senior in good academic and behavioral standing
- Have no history of major disciplinary issues
- Maintain regular attendance and a minimum cumulative GPA of 2.5
- Secure a staff member's agreement to supervise their placement
- Obtain approval from an administrator

Application & Placement Process

Teachers must submit a completed T.A. Program Application (see form below) by the published deadline.

The application will include:

- Chosen T.A. type (Teacher, Office, Peer Tutor, or IT Assistant)
- Student's Name
- A brief outline of proposed duties

Upon approval, the counseling office will update the student's schedule accordingly.

*Note: Until the new schedule is reflected, students must attend their assigned study hall.

Types of T.A. Assignments

Students may apply to serve as:

- Teacher Assistant (TA): Assist in classrooms (e.g., PE, FCE, Tech Ed, Art, Band, etc.)
- Office Assistant: Support staff in the Main Office, Student Services, or District Office
- IT Assistant: Work with the Tech Department on AV setup, device tracking, etc.
- Peer Tutor: Provide academic help to other students under staff supervision

Roles & Responsibilities

T.A.s may perform a range of duties, including but not limited to:

- Organizing and preparing classroom materials
- Copying, sorting, filing, or inventory management
- Supporting students during group work or independent work time
- Cleaning up labs or class stations
- Assisting in the office with deliveries, errands, or general organization
- Contributing to the school community in a professional and confidential manner

T.A.s are not permitted to:

- Grade student work, handle assessments, or access confidential student data
- Complete tasks related to school-sponsored athletics, clubs, or extracurricular activities

T.A. periods are instructional supports during the school day and should not be used for coaching, team management, or club preparation duties. Staff members are compensated separately for those roles and should not utilize T.A.s for activity-related responsibilities.

Expectations & Conduct

- T.A.s are expected to act as role models for peers, demonstrating professionalism, reliability, and respect.
- Attendance and punctuality are mandatory; absences will be reported like any academic class.
- T.A.s must remain in their assigned area for the full period and may not run errands or complete tasks unrelated to classroom instruction or the assigned office.
- Any violation of school rules or misuse of the T.A. period—including use for extracurricular or non-instructional tasks—may result in removal from the program and loss of credit.

Evaluation

- T.A.s are evaluated on participation, effort, attendance, and professionalism.
- Supervising teachers or staff members will complete a midterm and final evaluation.
- The course will be graded Pass/Fail and will appear on the student's transcript.

Questions?

For questions about eligibility, scheduling, or available placements, contact Don Norwick, the Associate Principal of Curriculum and Instruction.

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

ART

ART I ART102

Credit Type: 0.5

Prerequisite: None

Grade Level(s): • 9 • 10 • 11 • 12

Sub-Cluster(s): • Visual Arts

Art I is an introductory level studio art course. The course focuses on developing and improving students' drawing skills and developing their understanding of the elements and principles of art. This is a studio based course where students will work on individual projects throughout the semester. All artistic ability levels and skills are welcome!

ART II ART201

Credit Type: 0.5

Prerequisite: Art I ART101

Grade Level(s): • 9 • 10 • 11 • 12

Sub-Cluster(s): • Visual Arts

This course is designed to provide students with an opportunity to experiment with a variety of unique art media, techniques, and processes. Special attention is focused on craftsmanship and process applications as well as developing the students own form of individual artistic style. Students will be able to express themselves through their art and advance their artistic and creative skills.

COMPUTER GRAPHICS I ART202

Credit Type: 0.50

Prerequisite: None

Grade Level(s): • 9 • 10 • 11 • 12

Sub-Cluster(s): • Web and Digital Communication

This course is designed to introduce students to digital imaging as a form of Art. Students will have an opportunity to learn and explore the possibilities of using Adobe Photoshop and Illustrator applications. The main objective of the course is for students to explore digital skills that could be applicable in post-secondary study or future careers. Applications learned during the course include the industry standard for graphics: Adobe Photoshop* Adobe Illustrator*

*Part of Adobe ACA Certification program

CERAMICS I ART203

Credit Type: 0.50

Grade Level(s): • 9 • 10 • 11 • 12

Sub-Cluster(s): • Visual Arts

This course introduces ceramics as an art form and explores the basics of forming and shaping clay. Students will be introduced to the beauty of ceramics by creating functional and decorative clay pieces while learning various ways to form and manipulate clay. We will focus on three hand-building techniques (pinch, coil, and slab methods), design, glazing, and firing processes. A variety of glazing and decoration techniques will be introduced as well. Students will be able to independently create pieces beginning with a sketched idea, and culminating in a finished product. Students are eligible to take this course simultaneously with Art 1.

ART III ART300

Credit Type: 0.5

Prerequisite: ART201

Grade Level(s): • 10 • 11 • 12

Sub-Cluster(s): • Visual Arts

This course will offer students an opportunity to continue experimenting with art media, techniques, and processes. Students will be able to create art that communicates ideas and concepts, explore art styles and learn advanced steps of a creative process. They will continue working on enhancing their drawing and painting skills, but will have much more creative freedom.

DRAWING AND PAINTING I ART301

Credit Type: 0.50

Prerequisite: ART201

Grade Level(s): • 11 • 12

Sub-Cluster(s): • Visual Arts

This course is intended to enhance student's artistic abilities through experimentation in a variety of media. The focus of this course is to provide academic art training for students' to improve their drawing and painting skills. Students will be encouraged to develop their own personal creative vision, while working on refining their artistic skills through drawing and painting studies and assignments. The class setting is similar to an art college studio class where students take ownership of their learning. All advanced art students are welcome! It is recommended to take Drawing & Painting 1, along with Drawing & Painting 2 prior to enrolling in AP Studio.

COMPUTER GRAPHICS II ART302

Credit Type: 0.5

Prerequisite: Computer Graphics I ART202

Grade Level(s): • 10 • 11 • 12

Sub-Cluster(s): • Web and Digital Communication

This course is designed to expand student experience in digital imaging. Students will improve their visual and technical skills through completing advanced visual tasks. The focus of the course is visual experimentation and problem solving. Students will be able to work on individual creative projects that will allow them to communicate ideas and to express themselves. Applications used during the course include the industry standard for graphics: Adobe Photoshop* Adobe Illustrator*

*Part of Adobe ACA Certification program

CERAMICS II ART303

Credit Type: 0.50

Prerequisite: Ceramics I

Grade Level(s): • 9 • 10 • 11 • 12

Sub-Cluster(s): • Visual Arts

Ceramics II is a continuation of Ceramics I with additional emphasis placed on skills, individual styles, and experimentation. Students will master their skills not only in hand-building but new techniques as well such as wheel throwing. Students will continue to advance themselves in decorating techniques for their artwork, including underglaze painting, sgraffito, special effect glazing, etc.

PORTFOLIO I ART304

Credit Type: 0.50

Prerequisite: ART201

Grade Level(s): • 11 • 12

Sub-Cluster(s): • Visual Arts

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

SCULPTURE & JEWELRY ART305

Prerequisite: Art 1 or Ceramics 1

Credit Type: 0.5

Grades: 10 • 11 • 12

In this studio-based course, you will investigate how objects inhabit space. We will challenge the boundary between "trash" and "treasure" by repurposing discarded materials and scale-down our focus to explore the intimate relationship between the human body and wearable art.

Key Areas of Exploration:

- Architectural Cardboard: Master the engineering of "low-cost, high-impact" sculpture. You'll learn advanced attachment techniques, structural reinforcement, and surface manipulation to turn corrugated paper into monumental or intricate forms.
- Found Object Assemblage: Channel your inner scavenger. This unit focuses on the "readymade"—learning to see the aesthetic potential in forgotten objects and combining them to create new, narrative-driven compositions.
- Intimate Sculpture (Jewelry): We shrink the scale but increase the precision. You will explore sculptural jewelry as "wearable art," focusing on form, weight, and the ergonomics of small-scale metal, wire, or mixed-media construction.
- The Language of Materials: Understand how the *stuff* you use changes the *meaning* of what you make. We will study contemporary sculptors who use non-traditional materials to make bold social and aesthetic statements.

COMPUTER GRAPHICS III ART306

Credit Type: 0.5

Prerequisite: Computer Graphics I ART202

Grade Level(s): • 10 • 11 • 12

Sub-Cluster(s): • Web and Digital Communication

The course is designed to introduce students to a variety of Adobe applications that are industry standard for Graphic Designers. Students will learn how to create animations, how to design a page layout, and the basics of web design. All the above skills can be applied to a future career as they are very desired by employers in any field. Applications learned during the course include the industry standard for graphics: Adobe Photoshop* Adobe Illustrator* Adobe InDesign* Adobe AfterEffects* Adobe Dreamweaver* *Part of Adobe ACA Certification program

DRAWING AND PAINTING II ART401

Credit Type: 0.50

Prerequisite: ART301

Grade Level(s): • 10 • 11 • 12

Sub-Cluster(s): • Visual Arts

This course is intended to further enhance student's abilities in drawing and painting through experimentation in a variety of media. Students will be given more freedom in their choices of subject matter and materials. Students will create artwork that reflects students' personality and unique artistic style, and can be added to the college portfolio. The focus of the class is to promote critical thinking in addition to refining the skills. It is recommended to take Drawing & Painting 1, along with Drawing & Painting 2 prior to enrolling in AP Studio.

CERAMICS III ART402

Credit Type: 0.5

Prerequisite: Ceramics 2

Grade Level(s): • 10 • 11 • 12

Sub-Cluster(s): • Visual Arts

Ceramics III is an advanced studio art course that builds upon the skills and techniques developed in Ceramics I and II. Students will expand their knowledge of hand-building methods and continue developing proficiency on the pottery wheel while exploring more complex forms and advanced ceramic processes. The course emphasizes refined craftsmanship, advanced surface decoration, and the development of a personal artistic style through experimentation and concept-driven projects. Students will engage in increasingly challenging assignments that encourage creative problem-solving and independent artistic decision-making.

PORTFOLIO II ART403

Credit Type: 0.50

Prerequisite: ART304

Grade Level(s): • 11 • 12

Sub-Cluster(s): • Visual Arts

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

VISUAL LITERACY I ART404

Credit Type: 0.5

Prerequisite: None

Grade Level(s): • 9 • 10 • 11 • 12

Sub-Cluster(s): • Web and Digital Communication

Visual Literacy is the ability to communicate your ideas through visual elements. This course is intended for students who want to learn the language of Visual communication. Students will learn how to communicate using graphic images and symbols. They will be introduced to Adobe Photoshop and Illustrator to create custom graphics, edit photographs, and produce professional looking designs and layouts. Applications learned during the course include the industry standard for graphics: Adobe Photoshop* Adobe Illustrator*

*Part of Adobe ACA Certification program

VISUAL LITERACY II ART405

Credit Type: 0.5

Prerequisite: none (Recommended: Visual Literacy I ART404)

Grade Level(s): • 9 • 10 • 11 • 12

Sub-Cluster(s): • Web and Digital Communication

Visual Literacy is the ability to communicate your ideas through visual elements. This course is intended for students who are serious about learning the language of Graphic Design and Desktop Publishing. Students will learn to work with Adobe Photoshop, Illustrator, and InDesign to produce quality designs for personal and professional use (print and web materials, presentations, newsletters, brochures, logo designs, infographics, etc.) By the completion of the course, students will have a strong foundation for creating and appreciating art. Applications learned during the course include the industry standard for graphics: Adobe Photoshop* Adobe Illustrator* Adobe InDesign*

*Part of Adobe ACA Certification program

AP STUDIO ART AND DESIGN 2D ART501

Course Type: Advanced Placement

Credit Type: 1.00

Prerequisite: ART201

Grade Level(s): • 11 • 12

Sub-Cluster(s): • Visual Arts

College Board Description: Develop your 2-D skills through materials and processes such as graphic design, photography, collage, printmaking, fashion illustration, collage, and others. You'll create artwork that reflects your own ideas and skills and what you've learned. Your work will focus on: 1) Investigating the materials, processes, and ideas that artists and designers use. 2) Practicing, experimenting, and revising as you create your own work. 3) Communicating your ideas about works of art and design. This course focuses on your skills and analysis as an artist. Students will produce a year long body of work centralized around one intended theme reflecting on advanced technical and solid application of skills. A written reflection will be created as well documenting the students thought process and intention for their work. 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.

Ceramics IV ART503

Prerequisite: Successful completion of Ceramics III

Credit Type: 0.5

Grades: 11 • 12

In Ceramics IV, the curriculum shifts from teacher-led assignments to student-driven inquiry. You will be responsible for conceptualizing, designing, and executing a cohesive body of work. Whether you choose to live at the potter's wheel or explore the structural possibilities of complex hand-building, the focus remains on technical precision and artistic intent.

Core Pillars of Study:

- Independent Practice: Students will develop a "Concentration" or "Sustained Investigation"—a series of works that explore a specific theme, form, or technical challenge.
- Advanced Technical Mastery:
 - Wheel: Focus on large-scale throwing, multi-piece assembly, and refined functional sets.
 - Hand-building: Mastery of complex slab construction, extrusion, and organic sculptural forms.
- Surface Exploration: Deep dives into glaze chemistry, slip-trailing, sgraffito, and alternative firing processes.
- Professional Portfolio Development: Learn to document your work through high-quality photography and write professional artist statements suitable for college applications or gallery submissions.

Business & Information Technology

INTRODUCTION TO BUSINESS BIT101

Dual Enrollment

College Credit Qualified • Gateway Technical College

Credit Type: 0.50

Prerequisite: None

Grade Level(s): • 9 • 10 • 11

Sub-Cluster(s): • Business Information Management

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.

COMPUTERS FOR PROFESSIONALS BIT120

Dual Enrollment - Certification Available

College Credit Qualified • Gateway Technical College

Credit Type: 0.50

Prerequisite: None

Grade Level(s): • 9 • 10 • 11 • 12

Sub-Cluster(s): • Business Information Management • Information Support and Services

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. Emphasis will be placed on preparing students for Microsoft Office Specialist (MOS) certification exams. Students will gain skills that prepare them for many other technology courses in the BIT department.

MARKETING PRINCIPLES I BIT201

Dual Enrollment

College Credit Qualified • Gateway Technical College

Credit Type: 0.50

Prerequisite: BIT101

Grade Level(s): • 10 • 11 • 12

Sub-Cluster(s): • Business Information Management

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. Topics will include: market segmentation, marketing functions, product/services, pricing, promotion, and distribution. 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 DECA --a co-curricular student organization that provides students exciting opportunities to gain valuable hands-on marketing experience (conferences, competitive events, community service, leadership development) related to what is taught in the classroom.

SMALL BUSINESS ACCOUNTING I BIT202

Credit Type: 0.50

Prerequisite: None

Grade Level(s): • 10 • 11 • 12

Sub-Cluster(s): • Accounting

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. 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

BUSINESS LAW BIT203

Credit Type: 0.50

Prerequisite: None

Grade Level(s): • 10 • 11 • 12

Sub-Cluster(s): • Business Information Management

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.

LEADERSHIP DEVELOPMENT BIT204

Credit Type: 0.50

Grade Level(s): • 10 • 11 • 12

Sub-Cluster(s): • Business Information Management

Each learner will apply the skills and tools necessary to perform the functions of a frontline leader. This course will explore leadership by using their positions and roles that students currently are leaders in and find ways to support and improve their leadership capabilities. Each learner will demonstrate the ability to transition to a supervisory role using Servant Leadership principles. Topics will include: organizational structure, delegation, staffing, leadership, problem-solving, team skills, motivation, ethics, training and day-to-day operations.

ENTREPRENEURSHIP BIT208

Credit Type: 0.50

Prerequisite: None

Grade Level(s): • 9 • 10 • 11 • 12

Sub-Cluster(s): • Business Information Management

Entrepreneurship is the art of owning and operating your own business. In this class, students will learn first-hand how startups start by identifying problems, gathering data, and generating viable business solutions. And, all the while students practice and develop the “human skills” they will use throughout college and career. Students will also explore and assess their entrepreneurial attitudes and ability, learn how to assess business competition, and create a business plan.

SPORTS AND ENTERTAINMENT MARKETING BIT209

Credit Type: 0.50

Prerequisite: None

Grade Level(s): 9 • 10 • 11 • 12

Sports and Entertainment marketing is a semester-long elective designed for students in grades 10-12 who are interested in sports, entertainment, marketing and business. Students will explore how marketing concepts and principles are applied to different events such as sporting events, concerts, community events, and other professional organizations. Topics covered include branding, sponsorships, promotions, social media marketing, ticket sales, fan engagement, and budgeting in sports and entertainment marketing. Students will be engaged in different learning practices such as designing promotional campaigns, analyzing real-world case studies, and collaborating on planning and marketing school-based events or mock situations. This course emphasizes students teamwork, creativity, and realistic and practical business skills that can prepare them for college, careers, and future consumer participation.

BUSINESS COMMUNICATIONS BIT220

Credit Type: 0.50

Prerequisite: None

Grade Level(s): • 9 • 10 • 11 • 12

Sub-Cluster(s): • Business Information Management

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

COMPUTER SCIENCE ESSENTIALS (PLTW) BIT233

PLTW Credit Type: 1.00

Prerequisite: None

Grade Level(s): • 9 • 10 • 11 • 12

Sub-Cluster(s): • Business Information Management • Information Support and Services

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

SELLING PRINCIPLES BIT307

Credit Type: 0.50

Prerequisite: None

Grade Level(s): • 11 • 12

Selling Principles is a semester-long course for students in grades 11-12 that provides a foundation in the consultative selling process. Students will learn the steps of the professional sales process, explore the characteristics of a successful salesperson, study buyer behavior, communication styles, and ethics. Learning experiences include participation in the school store, real-world selling analysis, case studies, scenario role plays, and student sales presentations. Students will prepare to take the Fundamental Business Concepts A*S*K certification exam in this course AND practice their selling skills by working in the school store.

CYBERSECURITY (PLTW) BIT334

PLTW Credit Type: 1.00

Prerequisite: BIT121 or BIT233

Grade Level(s): • 10 • 11 • 12

Sub-Cluster(s): • Business Information Management • Information Support and Services

This course exposes high school students to the ever growing and far-reaching field of cybersecurity. Students accomplish this through problem-based learning, where students role-play and train as cybersecurity experts. PLTW Cybersecurity strongly connects to the National Cybersecurity Workforce Framework which utilizes standards developed by numerous academic, industry, and government organizations. The course gives students a broad exposure to the many aspects of digital and information security, while encouraging socially responsible choices and ethical behavior. It inspires algorithmic thinking, computational thinking, and especially, “outside -the -box” thinking. Students explore the many educational and career paths available to cybersecurity experts, as well as other careers that comprise the field of information security.

FINANCIAL LITERACY BIT401

Required Course

Credit Type: 0.50

Prerequisite: SENIOR STANDING (required for graduation)

Grade Level(s): • 12

Sub-Cluster(s): • Business Information Management

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.

English

ENGLISH I ENG102

Required Course

Credit Type: 1.00

Grade Level(s): • 9

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

HONORS ENGLISH I ENG103

Course Type: Honors Credit

Type: 1.00 Prerequisite: Demonstrated excellence in the content and above proficient reading ability

Grade Level(s): • 9

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

ENGLISH II ENG202

Required Course

Credit Type: 1.00

Prerequisite: ENG102

Grade Level(s): • 10

During this year-long course, 10th grade students will study the language, structural, and rhetorical strategies used in various modes of speaking and writing. Literature from a variety of genres will be used to learn skills and critical concepts outlined in the State Standards for reading, speaking, listening, and language. Writing instruction will focus on applying textual evidence to effectively support informational, persuasive, and research events per the skills outlined in the State Standards.

HONORS ENGLISH II ENG203

Course Type: Honors

Credit Type: 1.00

Prerequisite: Demonstrated excellence in the 9th grade content and above proficient reading ability

Grade Level(s): • 10

This course is designed for 10th graders who wish to build on skills from Honors English I in preparation for Advanced Placement or Dual Credit English opportunities in grades 11 and/or 12. In addition to receiving skills taught in tenth grade, students will be exposed to reading and writing commonly used to prepare for college-level study. Students will study the rhetorical

strategies used in various modes of speaking, writing, and research. Literature from a variety of genres will be used to learn skills and critical concepts outlined in the State Standards for reading, speaking, listening, and language. Writing instruction will focus on the process and advanced development of writing analytical, informative, and persuasive essays, per the skills outlined in the State Standards with a goal toward advanced writing skills appropriate for advanced level English courses.

AMERICAN LITERATURE ENG302

Required Course

Credit Type: 1.00

Prerequisite: Junior level standing

Grade Level(s): • 11

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

JOURNALISM I ENG306

Credit Type: 0.50

Prerequisite: ENG102 or ENG103

Grade Level(s): • 10 • 11 • 12

Sub-Cluster(s): • Journalism and Broadcasting

This semester course is designed to give students interested in journalism an overview of the different types of journalistic writing and an understanding of how publications are produced. An emphasis is placed on writing for an audience and the technical and mechanical aspects of writing for print and digital media. Students will evaluate various types of media content and participate in a variety of reading, speaking, and writing activities. Students enrolling in this course will be responsible for creating a school newspaper by preparing interviews, articles, and other aspects of the publication on a deadline.

DIGITAL STORYTELLING ENG315

Credit Type: 0.5

Prerequisite: None

Grade Level(s): • 9 • 10 • 11 • 12

Sub-Cluster(s): • Audio and Video Technology and Film

This semester-long course is designed for the study and practice of the basic elements of using a camera and editing software to tell a story through a variety of media such as photos, videos, and audio. Students will outline, write, and use storyboards to communicate their stories with the use of self-produced media. It allows students a more authentic way to become authors, producers, and directors to show creativity and tell their stories.

SENIOR LITERATURE & COMPOSITION ENG402

Required Course

Credit Type: 0.50 - 1.0

Prerequisite: Senior level standing

Grade Level(s): • 12

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

PACC: ENGLISH COMPOSITION AND READING ENG404

Dual Enrollment

College Credit Qualified

Credit Type: 1.0

Prerequisite: Successful completion of American Lit or Teacher Approval

Grade Level(s): • 11 • 12

Develops college-level competencies in writing and reading in a variety of subject and thematic contexts, with an emphasis on argumentation. Satisfies skills requirements in reading and writing for English 101 at the college level.

AP LANGUAGE & COMPOSITION ENG501

Course Type: Advanced Placement

Credit Type: 1.00

Prerequisite: ENG102 and ENG202

Grade Level(s): • 11 • 12

This course, approved by the College Board, exposes students to college-level reading, writing, thinking, and expectations. Students read complex 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.**

AP LITERATURE & COMPOSITION ENG502

Course Type: Advanced Placement

Credit Type: 1.00

Prerequisite: ENG102 and ENG202

Grade Level(s): • 11 • 12

This course, approved by the College Board, engages students in close reading and critical analysis of literature, focusing on how the formal elements of literature communicate meaning. Students extend their engagement with literature beyond the personal, learning how to critically analyze and evaluate it both as art and as a sociocultural force. 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. The focus on advanced literature in the course assumes that students enter as strong readers, curious and critical thinkers, and competent writers. **Students are strongly encouraged to take the AP exam in May.**

COLLEGE AND CAREER WRITING ENG503

Credit Type: 0.50

Prerequisite: ENG102 or ENG103, ENG202 or ENG203

Grade Level(s): • 11 • 12

Sub-Cluster(s): • Administrative Support • Law Enforcement Services • Legal Services

This semester course will focus on the six purposes of writing to give students experience with non-literary writing. Examples of writing types include: informational essays, research-based argumentative essays, critiques, and personal narratives. Connections will be made between purpose, specific audience, and use of each writing assignment in college and/or career.

THE CONTEMPORARY NOVEL ENG504

Dual Enrollment

College Credit Qualified • UW-Whitewater

Credit Type: 0.50

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

Grade Level(s): • 12

This course is a study of significant British and American novels and novelists of the last decade. It is aligned with University of Wisconsin-Whitewater English 263. This is a 200 level college course. Students will independently read four novels during the semester, complete three literary analysis papers, and have online discussions on the UWW Canvas site, in addition to other work.

MULTICULTURAL LITERATURE OF THE UNITED STATES ENG505

Dual Enrollment

College Credit Qualified • UW-Whitewater

Credit Type: 0.50

Prerequisite: Successful completion of English 9, 10, and American Literature

Grade Level(s): • 12

Multicultural Literature of the United States offers a wide range of literary texts (drama, essays, novels, poetry, and short stories) by people of color to offer students the opportunity to study and appreciate the experiences and challenges of diverse groups of people in American society: African American, Asian American, Native American, and Latino/a. This body of literary works will be studied through the historical/political prism of each group so that students will be acquainted with the background of the literature. Students enrolling in ENG504 or ENG505 must enroll for both high school credit and 3 UW-Whitewater credits. Students who wish to enroll in these courses must meet the following UW-Whitewater requirements: GPA of at least 3.25 on a 4.0 scale, ACT score of 24, and/or teacher approval. Wilmot HS will pay the \$330 tuition fee. This is a 200 level college course and is aligned with the University of Wisconsin- Whitewater English 265.

FAMILY & CONSUMER SCIENCE

FOODS I FCS101

Credit Type: 0.50

Prerequisite: None

Grade Level(s): • 9 • 10 • 11 • 12

Sub-Cluster(s): • Food Products and Processing Systems

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

INTERIOR DESIGN FCS103

Credit Type: 0.5

Prerequisite: None

Grade Level(s): • 9 • 10 • 11 • 12

Sub-Cluster(s): • Family and Community Services

This course will explore housing needs, elements and principles of design, technical and style terminology, core design concepts and lifestyle analysis. The emphasis is on interior design skills for careers in the expanding housing industry.

FOODS II FCS201

Credit Type: 0.50

Prerequisite: FCS101

Grade Level(s): • 9 • 10 • 11 • 12

Sub-Cluster(s): • Food Products and Processing Systems

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

HEALTH, SAFETY, NUTRITION FOR THE YOUNG CHILD FCS205

Credit Type: 0.50

Grade Level(s): 11 • 12

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

BAKING FCS301

Credit Type: 0.50

Prerequisite: FCS101 and FCS201

Grade Level(s): • 10 • 11 • 12

Sub-Cluster(s): • Food Products and Processing Systems

This course is designed for students who love to bake. This class is centered on learning the scientific principles and specific techniques that are needed in making any baked good.

Students will prepare items such as cakes, cookies, pastries, pies, savory baked goods and a variety of breads. Basic cake decorating will also be taught.

CULINARY ARTS I FCS401

Credit Type: 1.00

Prerequisite: FCS201

Grade Level(s): • 11 • 12

Sub-Cluster(s): • Restaurants and Food and Beverage Services

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 I is the first of a two-part program in which students have the opportunity to earn a nationally-recognized ProStart certificate of completion. Students will complete the ProStart Level 1 certification.

CULINARY ARTS II FCS402

Credit Type: 1.00

Prerequisite: FCS401

Grade Level(s): • 12

Sub-Cluster(s): • Restaurants and Food and Beverage Services

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

INDUCTION TO TEACHING

INTRO TO SPECIAL EDUCATION ITP102

Dual Enrollment

College Credit Qualified • UW-Whitewater

Credit Type: 0.50

Grade Level(s): • 10 • 11 • 12

Sub-Cluster(s): • Teaching and Training

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

TEACHING PRACTICUM AND EFFECTIVE TEACHING PRACTICES ITP103

Credit Type: 1.0

Prerequisite: Successful completion of Current Trends and Issues in Education and/or Intro to Special Education

Grade Level(s): • 11 • 12

Sub-Cluster(s): • Teaching and Training

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 weekly in-class time to discuss their experiences. The classroom time will provide students an opportunity to journal, research, analyze, and share their learning experiences, while integrating best teaching practices into their practicum. Students will produce a portfolio based on Wisconsin teaching standards.

This course is offered during second semester of the junior or senior year. Students are scheduled at the feeder school during 7th and 8th hour three days per week, and will meet at Wilmot the remaining days of the week. Students will be required to provide their own transportation.

CURRENT TRENDS AND ISSUES IN EDUCATION ITP104

Credit Type: 0.50

Prerequisite: None

Grade Level(s): • 10 • 11 • 12

Sub-Cluster(s): • Teaching and Training

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

PACC: FOUNDATIONS OF EDUCATION ITP105

College Credit Qualified • UW - Parkside

Credit Type: 0.5

Prerequisite: None

Grade Level(s): • 11 • 12

Sub-Cluster(s): • Teaching and Training

This course addresses three foundations of education: an introduction to the teaching profession, teaching the whole child, and exploring children's worlds in classroom and community contexts. The introduction to the teaching profession component of the course will introduce students to the multiple roles of the teacher through structured observations and course readings. Students will begin the process of connecting learning experiences to pedagogical decisions and educational research and theory. The foundations of teaching the whole child component will introduce students to the factors influencing educational access and success and the critical role of communities in this endeavor. Students will participate in community-based learning activities and draw from their own learning experiences, field experiences, and literature to inform their understanding of education in southeastern Wisconsin. Finally, in the exploring "children's world" component of this course, students will clarify and analyze issues from diverse developmental contexts in conjunction with motivation, identity development, and educational achievement. This course also looks at the local context and history of inclusion in or exclusion from equitable and caring learning environments.

MATHEMATICS

ALGEBRA I MTH102

Required Course

Credit Type: 1.00

Grade Level(s): • 9

Sub-Cluster(s): • Science and Mathematics

Algebra focuses on linear, exponential, and quadratic functions. These concepts will be studied through equations, graphs, and situations.

GEOMETRY MTH202

Required Course

Credit Type: 1.00 Prerequisite: MTH102

Grade Level(s): • 9 • 10

Sub-Cluster(s): • Science and Mathematics

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

HONORS GEOMETRY MTH203

Course Type: Honors

Credit Type: 1.00

Prerequisite: MTH102 and Teacher Recommendation

Grade Level(s): • 9 • 10

Sub-Cluster(s): • Science and Mathematics

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

GEOMETRY IN CONSTRUCTION TAE209 & MTH204

Dual Enrollment

College Credit Qualified • Gateway Technical College

Credit Type: 2.0

Prerequisite: MTH102

Grade Level(s): • 10

Sub-Cluster(s): • Construction

Geometry in Construction is an interdisciplinary course that combines Geometry with Construction through the building of a significant construction project. The purpose of the course is to provide students an opportunity to learn Geometry by directly applying the concepts to a real-world construction project. The students will develop a better understanding of both the Geometry and the Construction content through the combination of the academic and work-world contexts. The Geometry content matches that of the other Geometry courses taught

in the Mathematics Department, and prepares students for the subsequent Algebra 2 courses. Students will be exposed to and gain hands-on experience in job site safety and the phases of residential construction. Additional emphasis given to teamwork & problem-solving. Students earn credit for Geometry and Construction in this double-period course co-taught by a Math instructor and a Construction instructor. This course is transcribed with Gateway Technical College pending approval.

ALGEBRA II WITH TRIG MTH302

Credit Type: 1.00

Prerequisite: MTH202 or MTH203 or MTH 204

Grade Level(s): • 10 • 11 • 12

Sub-Cluster(s): • Science and Mathematics

This course focuses on reviewing Algebra 1 concepts while advancing into quadratic, polynomial, exponential, rational, and radical functions.

HONORS ALGEBRA II WITH TRIG MTH303

Course Type: Honors

Credit Type: 1.0

Prerequisite: MTH202 or MTH203 or MTH204, and teacher recommendation

Grade Level(s): • 10 • 11 • 12

Sub-Cluster(s): • Science and Mathematics

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

FINANCIAL ALGEBRA MTH304

Credit Type: 1.0

Prerequisite: Senior level standing

Grade Level(s): • 12

Sub-Cluster(s): • Science and Mathematics

This course combines algebraic and graphical approaches with practical business and personal finance applications. Students will learn about investments, credit, expenses, insurance, income tax, and budgeting. **This class fulfills the financial literacy requirement for graduation.**

INTRO TO STATISTICS MTH400

Credit Type: 1.00

Prerequisite: MTH 202, MTH204, or MTH204

Grade Level(s): • 11 • 12

Sub-Cluster(s): • Science and Mathematics

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

AP PRE-CALCULUS MTH402

Course Type: Advanced Placement

Credit Type: 1.00

Prerequisite: MTH 303

Grade Level(s): • 10 • 11 • 12

Sub-Cluster(s): • Science and Mathematics

This college-level course includes much of the content of Pre-calculus as well as additional topics including trigonometry and The College Board Advanced Placement AP Pre-Calculus course description. It has a rigorous college-level curriculum that is paced to prepare students for the AP Pre-Calculus Exam given in spring. 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. This course is recommended for students that plan on taking AP Calculus. Students cannot drop the course and take regular Pre-Calc once they have started the course.

AP CALCULUS AB MTH501

Course Type: Advanced Placement

Credit Type: 1.00

Prerequisite: MTH402

Grade Level(s): • 11 • 12

Sub-Cluster(s): • Science and Mathematics

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.

AP CALCULUS BC MTH503

Course Type: Advanced Placement

Credit Type: 1.00

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

Grade Level(s): • 11 • 12

Sub-Cluster(s): • Science and Mathematics

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.

PACC: INTERMEDIATE STATISTICS MTH504

Dual Enrollment

College Credit Qualified • UW - Parkside

Credit Type: 1.00

Prerequisite: MTH302 or MTH303

Grade Level(s): • 11 • 12

Sub-Cluster(s): • Science and Mathematics

This course introduces inferential statistics including elementary combinatorics and probability, binomial and normal distributions, Central Limit Theorem estimation, confidence intervals,

hypothesis testing, correlation, regression, Chi-square distribution, and analysis of variance. Students are able to take this course for transcribed credit with UW-Parkside Math 203 course through their Parkside Access to College Credit (PACC) program. Students who choose to earn UW-Parkside credit must complete the application process with UW-Parkside.

MUSIC AND THEATRE

THEATRE I MUS106

Credit Type: 0.50

Prerequisite: None

Grade Level(s): • 9 • 10 • 11 • 12

Sub-Cluster(s): • Performing Arts

An introductory course designed to spark interest in drama/theatre. Students will learn basic theatre principles in stage movement, voice, diction, and pantomime. They will study the history and vocabulary of theatre, practice techniques to overcome stage-fright and develop self-confidence, and concentrate on improvisational techniques and acting skills for in-class performance and video projects.

ADAPTIVE PERFORMING ARTS WITH PEER SUPPORT MUS108

Credit Type: 0.5

Prerequisite: None

Grade Level(s): • 9 • 10 • 11 • 12

Sub-Cluster(s): • Performing Arts

Adaptive Performing Arts with Peer Support is specifically designed for students with special needs. They're paired with supportive peers who help them come out of their shells through dancing, singing, and even acting on stage.

BEGINNING PIANO MUS109

Credit Type: 0.50

Prerequisite: None

Grade Level(s): • 9 • 10 • 11 • 12

Sub-Cluster(s): • Performing Arts

This course is designed for students with little or no prior piano experience. Students will learn the fundamentals of piano playing, including basic music theory, note reading, rhythm, hand coordination, and proper playing techniques. The course emphasizes individual progress through solo and group practice, fostering a supportive learning environment. Students will explore a variety of musical styles and develop performance skills through in-class recitals and school events. This course provides a strong foundation for future musical pursuits and personal enjoyment. Enrollment in this course requires the purchase of a workbook/textbook.

INTRO TO GUITAR MUS110

Credit Type: 1.00

Prerequisite: None

Grade Level(s): • 9 • 10 • 11 • 12

Sub-Cluster(s): • Performing Arts

This course is designed for students who are new or newer to the guitar, introducing performance techniques, notation reading, and ensemble skills.

CONCERT BAND MUS202

Credit Type: 1.00

Prerequisite: None

Grade Level(s): • 9 • 10 • 11 • 12

Sub-Cluster(s): • Performing Arts

Class open to students 9-12 who play a woodwind, brass, or percussion instrument. This class will be combined with the Wind Ensemble to form the Guardsmen marching band. Performances outside the school day are part of the curriculum.

CONCERT CHOIR MUS204

Credit Type: 1.00

Prerequisite: None

Grade Level(s): • 9 • 10 • 11 • 12

Sub-Cluster(s): • Performing Arts

Concert choir is a performance-based ensemble open to students interested in singing. A repertoire of vast varieties will be performed: classical to popular music. The choir competes at the local level. Performances outside the school day are part of the curriculum.

THEATRE II MUS206

Credit Type: 0.50

Prerequisite: None

Grade Level(s): • 9 • 10 • 11 • 12

Sub-Cluster(s): • Performing Arts

Demonstrate proficiency in characterization, diction, memorization, and concentration. Students will study and deliver monologues and scene work from modern sources as well as Shakespeare sonnets and plays and perform on various stages to demonstrate mastery of skills.

Intermediate Piano MUS207 DETAILS Department(s): • Music and Theatre Course Type: Elective Credit Type: 0.5 Grade Level(s): • 10 • 11 • 12 Sub-Cluster(s): • Performing Arts DESCRIPTION This course is designed for students who have completed Piano 1 or have received approval from the instructor. Students will continue developing their piano skills through more advanced repertoire, technical exercises, and music theory concepts. Emphasis will be placed on expressive playing, performance preparation, and creative exploration through composition and improvisation. Students will have opportunities to perform in class and at school events, enhancing their confidence and stage presence while deepening their appreciation for music.

INTERMEDIATE PIANO MUS207

Course Type: Elective Credit

Type: 0.5

Grade Level(s): • 10 • 11 • 12

Sub-Cluster(s): • Performing Arts

This course is designed for students who have completed Piano 1 or have received approval from the instructor. Students will continue developing their piano skills through more advanced repertoire, technical exercises, and music theory concepts. Emphasis will be placed on expressive playing, performance preparation, and creative exploration through composition and improvisation. Students will have opportunities to perform in class and at school events, enhancing their confidence and stage presence while deepening their appreciation for music.

WIND ENSEMBLE MUS301

Credit Type: 1.00

Prerequisite: Audition and selection

Grade Level(s): • 10 • 11

Sub-Cluster(s): • Performing Arts

This advanced band class studies band literature grade 4 and higher. Students will be placed based on seating audition score and instructor approval. This course will combine with the concert bands to form the Guardsmen marching band. Performances outside the school day are part of the curriculum.

HONORS WIND ENSEMBLE MUS302

Course Type: Honors

Credit Type: 1.00

Prerequisite: Audition and selection

Grade Level(s): • 12

Sub-Cluster(s): • Performing Arts

This advanced band class studies band literature grade 4 and higher. Students will be placed based on seating audition score and instructor approval. This course will combine with the concert bands to form the Guardsmen marching band. Performances outside the school day are part of the curriculum. *A weighted grade will be earned for this course for seniors only if they participated in band since 9th grade.

JAZZ ENSEMBLE MUS303

Credit Type: 0.50

Prerequisite: Concurrent Enrollment in MUS201 OR MUS301

Grade Level(s): • 9 • 10 • 11 • 12

Sub-Cluster(s): • Performing Arts

This is a performance-based class. Students will experience big band swing, jazz, rock, ballad and Latin music. This ensemble meets daily, but half the time is devoted to individual study time. Performances outside the school day are part of the curriculum.

VOCAL ENSEMBLE MUS304

Credit Type: 1.00

Prerequisite: Audition

Grade Level(s): • 10 • 11

Sub-Cluster(s): • Performing Arts

This ensemble studies a vast range of music from the Renaissance to Contemporary. Along with performing at various locations, the Vocal Ensemble competes at the local/state levels. Performances outside the school day are part of the curriculum.

HONORS VOCAL ENSEMBLE MUS305

Course Type: Honors

Credit Type: 1.00

Prerequisite: Audition

Grade Level(s): • 12

Sub-Cluster(s): • Performing Arts

Honors Vocal Ensemble is the most advanced performance-based choir. This ensemble studies a vast range of music from the Renaissance to contemporary. Along with performing at various locations, the Vocal Ensemble competes at the local/state levels. Performances outside the school day are part of the curriculum. A weighted grade will be earned for this course for seniors only if they have participated in choir since 9th grade.

TECHNICAL THEATRE I MUS306

Credit Type: 0.50

Prerequisite: None

Grade Level(s): • 9 • 10 • 11 • 12

Sub-Cluster(s): • Performing Arts

Technical Theatre 1 is an introductory course, which explores the backstage world of theatre. Students will investigate several areas of production and design from both a practical and a theoretical base.

INTRO TO MUSIC THEORY MUS308

Credit Type: 0.50

Prerequisite: None

Grade Level(s): • 9 • 10 • 11 • 12

Sub-Cluster(s): • Performing Arts

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

TECHNICAL THEATRE II MUS310

Credit Type: 0.50

Prerequisite: MUS306 or Teacher Recommendation

Grade Level(s): • 9 • 10 • 11 • 12

Sub-Cluster(s): • Performing Arts

A more in-depth study of the major technical theatre aspects: scenery, props, lighting, sound, costuming, and makeup.

ADVANCED THEATRE MUS311

Credit Type: 0.5

Prerequisite: Theatre 1, Theatre 2, and teacher approval OR audition (seniors)

Grade Level(s): • 11 • 12

Sub-Cluster(s): • Performing Arts

Advanced theatre is a repeatable course in which the major emphasis is to provide for the continued growth and development of the students' acting and technical skills through a hands-on approach to theatre. Advanced theatre will emphasize artistic perception and creative expression, historical and cultural awareness, and the interconnections of the arts and other disciplines. Through creating theatre, students will grow in their ability to comprehend the world and to communicate with others. This course requires time outside of school hours for a weekend performance scheduled in May which will include after school rehearsals the week prior to the performance.

ADVANCED TECHNICAL THEATRE MUS312

Credit Type: 0.5

Prerequisite: Tech Theatre 1, Tech Theatre 2, and teacher approval

Grade Level(s): • 11 • 12

Sub-Cluster(s): • Performing Arts

Advanced Technical Theatre is a class designed to enhance a student's understanding and abilities in the area of technical theater. Students will gain experience and knowledge through classroom exercises and activities, as well as through practical applications for live theatrical productions. This course requires time outside of school hours for a weekend performance scheduled in May which will include after school rehearsals the week prior to the performance.

TREBLE CHOIR MUS313

Prerequisite: Audition and consent of instructor

Credit Type: 1.0

Grades: • 10 • 11 • 12

The Treble Choir is a choral ensemble designed for treble-voiced students (soprano and alto) who wish to explore and develop their vocal skills in a collaborative, musical setting. This class focuses on building a strong foundation in vocal technique, music literacy, and ensemble performance while expanding students' knowledge of choral repertoire from various musical genres and time periods. There are evening concerts 4-5 times a year that are required for this class.

PACC: FUNDAMENTALS OF MUSIC MUS405

Dual Enrollment

College Credit Qualified • UW-Parkside

Credit Type: 1.0

Grade Level(s): • 11 • 12

Sub-Cluster(s): • Performing Arts

Introduces music vocabulary including notation, scales, melody and basic harmony. This is a college-level course for students NOT pursuing music ensembles in college.

PACC: JAZZ APPRECIATION MUS406

Dual Enrollment

College Credit Qualified • UW-Parkside

Credit Type: 0.5

Prerequisite: Must be enrolled in MUS 303 concurrently.

Grade Level(s): • 10 • 11 • 12

Sub-Cluster(s): • Performing Arts

Explores stylistic periods of jazz from its beginning through the present. Emphasizes key performers and their styles. This is a college-level course for students who desire to better understand and appreciate jazz music.

PHYSICAL EDUCATION

HEALTH EDUCATION HLT101

Required Course

Credit Type: 0.50

Grade Level(s): • 9

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

PHYSICAL EDUCATION I PHY101

Credit Type: 0.50

Prerequisite: None

Grade Level(s): • 9 • 10 • 11 • 12

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: volleyball, flag football, softball, handball, cornhole, badminton, floor hockey, pickleball Eclipseball. Many of the Wisconsin Model Academic Standards for Physical Education are met upon successful completion of this course.

UNIFIED PHYSICAL EDUCATION PHY202

Credit Type: 0.50

Grade Level(s): • 10 • 11 • 12

This course combines students of all abilities to participate in developmentally appropriate activities including lifetime activities (ex: horseshoes, cornhole, archery, dance), physical fitness (ex: strength, cardio, yoga), and a variety of sports (ex: racquet sports, softball, volleyball, etc). Students will work together to increase competence and confidence in a variety of physical activities. Through ongoing leadership opportunities, members of this course will be empowered to help create a more inclusive and accepting school environment for all students.

TOTAL BODY FITNESS I PHY205

Certification Available

Credit Type: 0.50

Prerequisite: PHY101

Grade Level(s): • 10 • 11 • 12

This course is designed to introduce the student to a wide variety of health enhancing physical fitness activities. Students will do pre and post fitness testing to help create SMART goals and analyze the results. Activities will include both anaerobic and aerobic workouts. Such activities

will include proper lifting techniques, performing bodyweight exercises, cardiovascular workouts utilizing the Polar Heart Rate Monitors (treadmill, bike, elliptical, track), and high intensity interval training. Students will also learn about using yoga and meditation as a tool for enhancing physical and mental health. **This class offers CPR/AED certification.**

TOTAL BODY FITNESS II PHY206

Credit Type: 0.50

Prerequisite: PHY101, PHY205

Grade Level(s): • 10 • 11 • 12

This course is designed to build on the wide variety of health enhancing physical fitness activities the students learned in TBF I. Activities will include both anaerobic and aerobic workouts. Such activities will include proper lifting techniques, performing bodyweight exercises, cardiovascular workouts using the heart rate monitors (treadmill, bike, elliptical, track), and high intensity interval training workouts. Students will create workouts for their personal goals and to present to their peers.

TRENDS I PHY207

Certification Available

Credit Type: 0.50

Prerequisite: PHY101

Grade Level(s): • 10 • 11 • 12

This is a course designed for students interested in individual and group movements. Some of the activities that are covered through this course might include: Pilates, Zumba, yoga, (cardio), meditation and introductory level dance. This course will also cover components of Target Heart Rate, flexibility, muscular strength, cardiovascular endurance, rhythm and teamwork. This course is designed for students who enjoy working collaboratively with others and are willing to take workouts in a creative direction. **Community CPR/AED certification is included in this course.**

TEAM SPORTS I PHY208

Credit Type: 0.50

Prerequisite: PHY101

Grade Level(s): • 10 • 11 • 12

Team Sports is an elective physical education course designed for students who have successfully completed PHY ED 101. This course will cover the major team sports. The possible sports are basketball, flag football, volleyball, soccer, floor hockey, softball, ultimate frisbee, and team handball. The Team Sports course will incorporate ALL areas of the sport from participation, scorebook keeping, to coaching. Classroom 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 game.

TEAM SPORTS II / OFFICIATING PHY306

Certification Available

Credit Type: 0.50

Prerequisite: PHY101 and PHY208

Grade Level(s): • 11 • 12

Team Sports is an elective physical education course designed for students who have successfully completed PHY ED 101 and PHY ED 208 Team Sports I. The possible sports units are basketball, flag football, volleyball, soccer, floor hockey, softball, ultimate frisbee and handball. The Team Sports course will incorporate ALL areas of the sport from participation, scorebook keeping, coaching and officiating. Students will also complete WIAA certification to referee basketball, volleyball, soccer, softball/baseball and/or a sport of their choice. Approximately 50% of coursework will be in the classroom where students are expected to read the rules and regulations of each sport and to work with others to prepare for exams. Students electing to take the Team Sports course should enjoy participating in competitive sports and want to learn all facets of the sports. **Sports Official certification offered in this course.**

INDIVIDUAL AND RECREATIONAL ACTIVITIES I PHY307

Credit Type: 0.50

Prerequisite: PHY101

Grade Level(s): • 10 • 11 • 12

Individual and Recreational Activities I is an elective physical education course for students that have successfully completed PHY101. The course will focus on activities that students can play throughout their lives. Activities to be covered will consist of, but are not limited to the following: Badminton, Volleyball, PickleBall, Archery, Horse Shoes, Baggo, Ladder Toss, aerobics, and strength training. This class will also involve the use of the fitness center for cardio and weight training.

INDIVIDUAL AND RECREATIONAL ACTIVITIES II PHY308

Credit Type: 0.50

Prerequisite: PHY101 and PHY307

Grade Level(s): • 10 • 11 • 12

Individual and Recreational Activities II is an elective physical education course for students that have completed PHY101 and PHY307. This course will take activities that students can play for a lifetime, to the next level. This class will challenge the students to adapt sports and games to accommodate different class sizes, available space, and differing abilities. The students will also create a personal fitness program involving cardio and weight training. Individual and Recreational Activities II will enhance the student's problem-solving skills as well as their critical thinking skills through the use of sports.

INTRO TO STRENGTH AND SPEED PHY403

Credit Type: 0.5

Prerequisite: 9th graders must have department approval

Grade Level(s): 9 • 10 • 11 • 12

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

STRENGTH AND SPEED II PHY404

Credit Type: 1.00

Prerequisite: PHY403

Grade Level(s): • 10 • 11 • 12

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

STRENGTH AND SPEED III PHY405

Credit Type: 1.0

Prerequisite: PHY403 and PHY404

Grade Level(s): • 11 • 12

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

STRENGTH AND SPEED IV PHY406

Credit Type: 0.5

Prerequisite: Intro to Strength and Speed, either Strength and Speed 2 or 3, and Teacher Approval.

Grade Level(s): • 11 • 12

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

SCIENCE

BIOLOGY SC1102

Required Course

Credit Type: 1.00

Prerequisite: None

Grade Level(s): • 9

Sub-Cluster(s): • Environmental Service Systems • Science and Mathematics

There are five life science topics in the Next Generation Science Standards (NGSS) for the high school level: 1. Structure and Function 2. Inheritance and Variation of Traits 3. Matter and Energy in Organisms 4. Ecosystems/ Interdependent Relationships in Ecosystems 5. Natural Selection and Evolution.

HONORS BIOLOGY SC1103

Course Type: Honors

Credit Type: 1.00

Prerequisite: Placement is based on reading level, performance in previous science courses, teacher recommendation, and overall academic achievement.

Grade Level(s): • 9

Sub-Cluster(s): • Environmental Service Systems • Science and Mathematics

Honors Biology will delve deeper into the topics outlined in Biology: 1. Structure and Function 2. Inheritance and Variation of Traits 3. Matter and Energy in Organisms 4. Ecosystems/ Interdependent Relationships in Ecosystems 5. Natural Selection and Evolution.

PRINCIPLES OF THE BIOMEDICAL SCIENCES (PLTW) SC1104

College Credit Qualified

Course Type: PLTW

Credit Type: 1.00

Prerequisite: None

Grade Level(s): • 9 • 10 • 11 • 12

Sub-Cluster(s): • Health Infomatics • Science and Mathematics

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

thrive in life and career. **Note: Qualified students may receive college credit for this class. Please see your instructor for additional information.**

CHEMISTRY SCI205

Required Course

Credit Type: 1.00

Prerequisite: None

Grade Level(s): • 10 • 11 • 12

Sub-Cluster(s): • Science and Mathematics

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.

HONORS CHEMISTRY SCI206

Course Type: Honors

Credit Type: 1.00

Prerequisite: SCI103 or Teacher Recommendation

Grade Level(s): • 10

Sub-Cluster(s): • Science and Mathematics

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

HUMAN BODY SYSTEMS (PLTW) SCI207

College Credit Qualified

Course Type: PLTW

Credit Type: 1.00

Prerequisite: SCI104 PBS and/or Teacher Recommendation

Grade Level(s): • 10 • 11 • 12

Sub-Cluster(s): • Health Infomatics • Science and Mathematics

Students who are interested in anatomy and physiology will examine the interactions of human body systems as they explore as they experience real-world scenarios and cases to see medicine in action – as they diagnose and provide treatment and rehabilitation to patients at an outpatient center, keep clients safe and healthy on adventure medicine trips in remote locations, and work in a research center to design laboratory investigations to explore development and aging. 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. Note: Qualified students may receive college credit for this class. Please see your instructor for additional information.

GEOLOGY AND ASTRONOMY SCI208

Credit Type: 0.50

Prerequisite: None

Grade Level(s): • 10 • 11 • 12

Sub-Cluster(s): • Natural Resources Systems • Science and Mathematics

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.

OCEANOGRAPHY AND CLIMATOLOGY SCI209

Credit Type: 0.50

Grade Level(s): • 10 • 11 • 12

Sub-Cluster(s): • Environmental Service Systems • Science and Mathematics

This course focuses on two distinct areas of Earth science. Oceanography emphasizes the physical and chemical properties of salt water environments, the structure of the ocean floor, life within the ocean, as well as environmental impacts and current research. In addition, similar topics will be covered for other bodies of water. Climatology will focus on ocean currents and climate, effects of global winds, large-scale climate patterns, and global climate change. This course is offered for the spring semester.

ENVIRONMENTAL SCIENCE SCI301

Credit Type: 1.00

Prerequisite: None

Grade Level(s): • 11 • 12

Sub-Cluster(s): • Environmental Service Systems

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

PHYSICS SCI303

Credit Type: 1.00

Prerequisite: None

Grade Level(s): • 10 • 11 • 12

Sub-Cluster(s): • Science and Mathematics

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.

MEDICAL TERMINOLOGY SCI304

Dual Enrollment

College Credit Qualified • Gateway

Credit Type: 0.5

Prerequisite: None

Grade Level(s): • 10 • 11 • 12

Sub-Cluster(s): • Health Infomatics

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

HONORS PHYSICS SCI306

Course Type: Honors

Credit Type: 1.0

Prerequisite: None

Grade Level(s): • 10 • 11 • 12

Sub-Cluster(s): • Science and Mathematics

Physics is the study of motion, forces, energy, waves, and more. Students will solve challenging real world problems using mathematical applications. This is recommended for students preparing for college and careers in STEM.

FORENSIC SCIENCE SCI307

Credit Type: 0.50

Prerequisite: None

Grade Level(s): • 11 • 12

Sub-Cluster(s): • Health Infomatics • Law Enforcement Services • Science and Mathematics

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

MEDICAL INTERVENTIONS (PLTW) SCI308

College Credit Qualified

Course Type: PLTW

Credit Type: 1.00

Prerequisite: SCI104 PBS, SCI207 HBS, and/or Teacher Recommendation

Grade Level(s): • 11 • 12

Sub-Cluster(s): • Health Infomatics

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. Note: Qualified students may receive college credit for this class. Please see your instructor for additional information.

BIOMEDICAL INNOVATIONS (PLTW) SCI401

College Credit Qualified

Course Type: PLTW

Credit Type: 1.00

Prerequisite: SCI104 PBS, SCI207 HBS, SCI308, and/or Teacher Recommendation

Grade Level(s): • 12

Sub-Cluster(s): • Health Infomatics

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. Note: Qualified students may receive college credit for this class. Please see your instructor for additional information.

AP BIOLOGY SCI501

Course Type: Advanced Placement

Credit Type: 1.00

Prerequisite: None

Grade Level(s): • 11 • 12

Sub-Cluster(s): • Environmental Service Systems • Science and Mathematics

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.

AP PHYSICS SCI502

Course Type: Advanced Placement

Credit Type: 1.00

Prerequisite: SCI303 or SCI306

Grade Level(s): • 11 • 12

Sub-Cluster(s): • Science and Mathematics

AP Physics is designed to be equivalent to the first semester of a college physics course. This course emphasizes mastery of physics concepts, vocabulary, problem solving, and laboratory skills. Students will learn all mechanics topics including motion, force, gravity, energy, momentum, and rotation. Students will have the opportunity to complete hands-on laboratory activities for each of these topics. The advanced problem-solving techniques require students to have a strong understanding of Algebra 2 and Pre-Calculus skills.

AP CHEMISTRY SCI506

Course Type: Advanced Placement

Credit Type: 1.00

Prerequisite: Chemistry or Honors Chemistry

Grade Level(s): • 11 • 12

Sub-Cluster(s): • Science and Mathematics

AP Chemistry is a rigorous course designed to be equivalent to introductory, college-level Chemistry where students develop problem-solving, laboratory and collaborative skills. Excellent independent study habits will be critical to success. In addition to topics covered in Honors Chemistry, the following areas will also be taught: thermochemistry, kinetics, equilibria in gas/aqueous phases, oxidation/reduction, acids/bases and electrochemistry. Students need good grades in Algebra II and/or Trigonometry . General Chemistry students may take AP Chemistry with instructor approval. Students could earn college credit by taking the AP exam in May.

CNA - CERTIFIED NURSING ASSISTANT PROGRAM YOP201

Dual Enrollment

College Credit Qualified

Credit Type: 0.5

Prerequisite: Students wishing to enroll in this program at Wilmot will need to fill out a *Contract for Service* form available in Student Services, pass a background check and receive vaccines

Grade Level(s): • 11 • 12 .

Sub-Cluster(s): • Health, Safety and Environmental Assurance

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 healthcare settings. Students will be taught during the week by Gateway Technical College at Wilmot Union High School with a clinical site in a local nursing home. Students are responsible for their own transportation. If students work as a C.N.A. 1.0 additional credits can be obtained for work experience per semester if a student works 225 hours.

SOCIAL SCIENCES

U.S. HISTORY SOC101

Required Course

Credit Type: 1.0

Prerequisite: None

Grade Level(s): • 9

Sub-Cluster(s): • Governance

This required two-semester course, taken during the freshman year, covers the history of the United States from colonization to the present. Students will use inquiry, source analysis and argumentation to study topics such as the Civil War, Reconstruction, Progressivism, the World Wars, the Cold War, and recent American history. PACC U.S. History fulfills the U.S. History requirement.

WORLD HISTORY SOC201

Required Course

Credit Type: 1.00

Prerequisite: None

Grade Level(s): • 10

This required two-semester course, taken during the sophomore year, covers the geographical, religious, achievements, political, economic and social impacts (GRAPES) of major civilizations throughout history from the industrial revolution to the present. Some specific topics include world religions, WWI and WWII, revolution, Cold War and current Middle East hot spots. AP World History fulfills the SOC201 World History requirement.

CURRENT EVENTS SOC202

Credit Type: 0.50

Prerequisite: 10th Grade w/ Teacher Approval

Grade Level(s): • 11 • 12

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

CHILD DEVELOPMENT SOC203

Credit Type: 0.50

Prerequisite: Sophomore or greater standing

Grade Level(s): • 10 • 11 • 12

Sub-Cluster(s): • Teaching and Training

This course is now a social studies course under the discipline of developmental psychology. It is a semester-long course that can be taken by grades 10-12 and there are no prerequisites. Throughout the semester students will learn about the physical, cognitive, and socioemotional stages of development in children aged 0-15. The class will start with pregnancy and make its

way to adolescence. Students will gain a broad understanding of the changes humans go through as they develop in the early years of life..

SOCIOLOGY SOC305

Credit Type: 0.50

Prerequisite: None

Grade Level(s): • 11 • 12

This semester course taken during the junior or senior year, introduces the systematic and scientific study of human group behavior. Topics covered include sociological theory, culture, group behaviors, institutions, social classes, and race and ethnicity. This course is designed to prepare students for an introductory college sociology class and strengthen 21st century researching skills.

PSYCHOLOGY SOC306

Credit Type: 0.50

Prerequisite: None

Grade Level(s): • 10 • 11 • 12

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

AMERICAN GOVERNMENT SOC307

Required Course

Credit Type: 0.5

Prerequisite: None

Grade Level(s): • 11 • 12

This required semester-long course taken during the junior or senior year, covers the basics of our government and its role in our society. Students will study the ideas of the Founders and Framers, the structure of the U.S. Government, their rights and civic responsibilities, and gain knowledge and literacy in civic skills. This course is designed to help teach and develop informed, responsible and engaged citizens. State mandate now requires students to take a citizenship test.

RECENT AMERICAN HISTORICAL EVENTS SOC314

Credit Type: 0.5

Grade Level(s): • 11 • 12

A historical journey through America from the music of the 1960s through the War on Terror.
Note: this course will only be offered in odd years

U.S. MILITARY HISTORY SOC315

Credit Type: 0.5

Grade Level(s): • 11 • 12

U.S. Military History is a course that analyzes the foreign policy, military strategy and legacy that has shaped America from the Spanish American War to current conflicts abroad *Note: this course will only be offered in even years*

PACC US HISTORY 101 SOC501

Dual Enrollment

College Credit Qualified

Credit Type: 1.00

Prerequisite: SOC201

Grade Level(s): • 11 • 12

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

AP PSYCHOLOGY SOC502

Course Type: Advanced Placement

Credit Type: 1.00

Prerequisite: None

Grade Level(s): • 11 • 12

This two-semester course can be taken during 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

AP MACROECONOMICS SOC503

Course Type: Advanced Placement

Credit Type: 0.50 Prerequisite:

None Grade Level(s): • 11 • 12

This semester-long 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 economics course taught to highly motivated students. Topics to be covered 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.

AP WORLD HISTORY SOC504

Course Type: Advanced Placement

Credit Type: 1.00

Prerequisite: None

Grade Level(s): • 10 • 11 • 12

In AP World, we will focus on the development of the modern world from 1200 to the present! We focus on the world outside the West and follow the development of world states, religions, economics and politics from the beginning of global trade to industrialization to the modern age of globalization. This class covers your World History credit and can give you college credit if you take the AP exam in May! It is recommended you take this course at the same time as an advanced English course.

AP HUMAN GEOGRAPHY SOC505

Course Type: Advanced Placement

Credit Type: 1.00

Prerequisite: None

Grade Level(s): • 9 • 10 • 11 • 12

This two-semester course can be taken during freshman through 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 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.

AP MICROECONOMICS SOC507

Course Type: Advanced Placement

Credit Type: 0.50

Prerequisite: None

Grade Level(s): • 11 • 12

This semester-long 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 economics course taught to highly motivated students. Topics to be covered include: basic economic concepts, Consumer and firm behavior. Market supply and demand and the price system. Monopoly and imperfectly competitive market structures. The pricing of factors of production and the distribution of income. Additional topics may include: poverty, growth and development; international trade.

AP US GOVERNMENT AND POLITICS SOC508

Course Type: Advanced Placement

Credit Type: 0.5

Grade Level(s): • 11 • 12

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

AP COMPARATIVE GOVERNMENT AND POLITICS SOC509

Course Type: Advanced Placement

Credit Type: 0.5

Grade Level(s): • 11 • 12

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

STAR LEADERSHIP

STAR CLUB - LEADERSHIP STR101

Credit Type: 1.0

Grade Level(s): • 9 • 10 • 11 • 12

The STAR Program is a program that will run as a year-long course and is modeled after a Junior ROTC style program. The STAR program emphasizes citizenship and leadership with the program's primary focus reflected by the JROTC mission statement "To motivate young people to be better citizens." It is designed to teach high school students the value of citizenship, leadership, service to the community, personal responsibility, and a sense of accomplishment, while instilling in them self-esteem, teamwork, and self-discipline. The STAR Program is being offered in partnership with the US Army as part of its commitment to America's Promise for Youth through its emphasis on service learning, community service, physical fitness, and anti-drug efforts.

TECHNOLOGY & ENGINEERING

WOODWORKING I TAE101

Credit Type: 0.50

Prerequisite: None

Grade Level(s): • 9 • 10 • 11 • 12

Sub-Cluster(s): • Construction • Engineering and Technology

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.

***This course requires an additional lab fee.**

DRAFTING I / AUTOCAD TAE103

Certification Available

Credit Type: 0.50

Prerequisite: None

Grade Level(s): • 9 • 10 • 11 • 12

Sub-Cluster(s): • Engineering and Technology

A semester course that introduces the student to drafting fundamentals. Concepts in mechanical drafting include single, multiview, and isometric drawings. ComputerAided Drafting (CAD) is incorporated into this beginning drafting class. **The main goal of this course is to pursue Autodesk AutoCAD User Certification through Certiport.**

METALS I TAE105

Credit Type: 0.50

Prerequisite: None

Grade Level(s): • 9 • 10 • 11 • 12

Sub-Cluster(s): • Construction • Engineering and Technology

A semester long course introducing students to metalworking, fabrication techniques, and Stick/Oxyacetylene welding. Students will study the use of hand and machine tools and apply that knowledge to projects involving sheet metal, steel, and aluminum. ***This course requires an additional lab fee.**

POWER MECHANICS TAE106

Dual Enrollment

College Credit Qualified • Gateway Technical College

Credit Type: 0.50

Prerequisite: None

Grade Level(s): • 9 • 10 • 11 • 12

Sub-Cluster(s): • Engineering and Technology

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. This course is transcribed with Gateway Technical College. ***This course requires an additional lab fee.**

INTRODUCTION TO ENGINEERING DESIGN (PLTW) TAE107

Course Type: PLTW

Credit Type: 1.00

Prerequisite: None

Grade Level(s): • 9 • 10 • 11 • 12

Sub-Cluster(s): • Design and Pre-Construction • Engineering and Technology

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

GRAPHIC COMMUNICATIONS I TAE111

Credit Type: 0.50

Prerequisite: None

Grade Level(s): • 9 • 10 • 11 • 12

This course provides an introduction to the graphic communications/ design areas of the printing industry. Students will build specialized skills stressing the areas of design, desktop publishing, digital manipulation, digital press operations, screen-printing, vinyl, and web based creations. Students will be introduced to the Adobe Creative Suite and will create projects for their own use. This course is designed to prepare a student with entry-level job skills in areas of the print industry, as well as continuing education in graphic communications & graphic arts.

DRAFTING II/FUSION 360 TAE202

Certification Available

Credit Type: 0.50

Prerequisite: TAE103 Drafting I or TAE 107 Introduction to Engineering Design

Grade Level(s): • 9 • 10 • 11 • 12

Sub-Cluster(s): • Engineering and Technology

A semester course designed to more extensively develop drafting concepts learned in Drafting I. Drafting II uses AutoDesk Fusion 360 extensively to focus on 2D multi-view drawings, isometric drawing, and 3D modeling. The main goal of this course is to obtain AutoDesk Fusion 360 User Certification through Certiport.

WOODWORKING II TAE204

Credit Type: 0.50

Prerequisite: Completing Woods I TAE 101 with a C or better.

Grade Level(s): • 10 • 11 • 12

Sub-Cluster(s): • Engineering and Technology DESCRIPTION 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 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. ***This course requires an additional lab fee.**

METALS II TAE205

Credit Type: 0.50

Prerequisite: TAE105 Metals I

Grade Level(s): • 10 • 11 • 12

Sub-Cluster(s): • Construction • Engineering and Technology

This class is a study of the various processes used to shape and form metal products using machine tools. Metallurgy, material preparation, machine processes, precision measurement, and print reading will be emphasized along with skill development. MIG/TIG Welding will also be heavily emphasized.*This course requires an additional lab fee.

PRINCIPLES OF ENGINEERING (PLTW) TAE207

Course Type: PLTW

Credit Type: 1.00

Prerequisite: TAE107 Introduction to Engineering Design with a grade of C or better.

Grade Level(s): • 10 • 11 • 12

Sub-Cluster(s): • Engineering and Technology

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.

GEOMETRY IN CONSTRUCTION TAE209 & MTH204

Credit Type: 2.0

Prerequisite: MTH102

Grade Level(s): • 10

Sub-Cluster(s): • Construction

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

earn credit for Geometry and Construction in this double-period course co-taught by a Math instructor and a Construction instructor.

GRAPHIC COMMUNICATIONS 2 TAE211

Credit Type: 1.0

Prerequisite: ART202

Grade Level(s): 10 • 11 • 12

This course provides an introduction to the graphic arts/communications areas of the printing industry. Students will build specialized skills stressing the areas of design, desktop publishing, digital photography, digital press operations, screen-printing, vinyl, large format printing, vinyl installation and web based creations. Students will continue to learn Adobe Creative Suite and will create projects. This course is designed to prepare a student with entry-level job skills in areas of the print industry, as well as continuing education in graphic communications & graphic arts.

DIGITAL ELECTRONICS (PLTW) TAE300

Certification Available

Course Type: PLTW

Credit Type: 1.00

Prerequisite: TAE107 Introduction to Engineering Design

Grade Level(s): • 10 • 11 • 12

Sub-Cluster(s): • Engineering and Technology

Introduction to Engineering Design (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 will work towards the NC3 Snap-On Digital Multimeter certification.

ADVANCED DRAFTING / AUTOCAD TAE301

Dual Enrollment

College Credit Qualified • Gateway Technical College

Credit Type: 0.50

Prerequisite: TAE202

Drafting II

Grade Level(s): • 11 • 12

Sub-Cluster(s): • Engineering and Technology

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) with instructor approval. 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 learn CAM in Fusion 360 to machine parts on Tormach CNC mills. Designs will then be 3D printed and/or CNC machined 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.

ARCHITECTURAL DRAFTING & DESIGN TAE302

Certification Available

Credit Type: 0.50

Prerequisite: TAE103 Drafting I for 9th and 10th grades

Grade Level(s): • 9 • 10 • 11 • 12

Sub-Cluster(s): • Design and Pre-Construction • Engineering and Technology

NO PREREQ FOR JUNIORS AND SENIORS 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. **The main purpose of this course is to obtain an AutoDesk Revit User Certification through Certiport.**

CABINET & FURNITURE DESIGN & CONSTRUCTION TAE303

Credit Type: 1.00

Prerequisite: Completing Woods 2 TAE 204 with a C or better.

Grade Level(s): • 11 • 12

Sub-Cluster(s): • Construction

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

ADVANCED METALS TAE304

Credit Type: 0.50

Prerequisite: TAE205 Metals II

Grade Level(s): • 10 • 11 • 12

Sub-Cluster(s): • Engineering and Technology

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 industry.

BUILDING CONSTRUCTION I TAE306

Credit Type: 1.00

Prerequisite: TAE101 Woods I or TAE209 Geometry in Construction

Grade Level(s): • 10 • 11 • 12

Sub-Cluster(s): • Construction

This year-long, hands-on course is designed to teach students the systems of residential construction. The course will focus on the relationship of the foundation, floor, wall, and roof systems through varying construction projects. Students will construct prefabricated exterior walls for a Habitat for Humanity project in the City of Kenosha. There will be an introduction to estimation and print reading.

ADVANCED CABINETMAKING/FURNITURE DESIGN & CONSTRUCTION TAE401

Credit Type: 1.00

Prerequisite: TAE303 Cabinet & Furniture Design & Construction- with a grade of C or better in TAE303

Grade Level(s): • 12

Sub-Cluster(s): • Construction • Engineering and Technology

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

BUILDING CONSTRUCTION II TAE402

Credit Type: 1.00

Prerequisite: TAE306 Building Construction I

Grade Level(s): • 11 • 12

Sub-Cluster(s): • Construction

This year-long course is designed to be an 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.

AUTOMOTIVE SERVICE FUNDAMENTALS TAE403

Dual Enrollment

Certification Available

College Credit Qualified • Gateway Technical College

Credit Type: 0.50

Prerequisite: TAE106 Power Mechanics

Grade Level(s): • 10 • 11 • 12 Sub-Cluster(s): • Engineering and Technology

A semester-long course designed as an introduction to the automotive service technology and light truck repair career path. This class will provide an automotive curriculum that could be used in postsecondary 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. Students will pursue ASE student certification in maintenance and light repair.

AUTOMOTIVE ELECTRICAL & ELECTRONIC SYSTEMS TAE404

Dual Enrollment

Certification Available

College Credit Qualified • Gateway Technical College

Credit Type: 0.50

Prerequisite: TAE403 Automotive Service Fundamentals

Grade Level(s): • 10 • 11 • 12

Sub-Cluster(s): • Engineering and Technology

A semester-long course designed as a continuation of the automotive service technology and light truck repair career path. This class will provide an automotive curriculum that could be used in postsecondary 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. Students will pursue NC3 Snap-On Digital Multimeter certification.

CIVIL ENGINEERING & ARCHITECTURE (PLTW) TAE405

Dual Enrollment

College Credit Qualified • Gateway Technical College

Course Type: PLTW

Credit Type: 1.00

Prerequisite: TAE107 Introduction to Engineering Design

Grade Level(s): • 10 • 11 • 12

Sub-Cluster(s): • Engineering and Technology

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.

ENGINEERING DESIGN & DEVELOPMENT (PLTW) TAE406

Course Type: PLTW

Credit Type: 1.00

Prerequisite: TAE107 Introduction to Engineering Design and TAE207 Principles of Engineering

Grade Level(s): • 11 • 12

Sub-Cluster(s): • Engineering and Technology

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.

WORLD LANGUAGES

SPANISH I WDL101

Credit Type: 1.00

Prerequisite: None

Grade Level(s): • 9 • 10 • 11 • 12

A year of 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 cultures of Spanish-speaking countries. The target language is used as much as possible.

AMERICAN SIGN LANGUAGE I WDL103

Credit Type: 0.5

Prerequisite: None

Grade Level(s): • 10 • 11 • 12

This world language will provide an introduction to American Sign Language {ASL}, the primary language of the Deaf. This course is designed for students with little or no previous knowledge of American Sign Language. The course will also afford students insight into the culture of the Deaf community. An emphasis will be placed on basic ASL vocabulary development, and an introduction to the syntax and grammar, sentence structure, and the cultural foundations of ASL. Students will learn the manual alphabet (i.e., finger spelling), numbers, and basic ASL vocabulary (e.g., vocabulary related to Students will work on developing both an expressive and receptive understanding of WH questions, Yes/No questions, basic sentence structure, directional verbs, and the use of imperatives, family, occupations, clothing, of ASL through demonstrations, dialogues, and videos. They will also be able to recognize some cultural practices. They will be able to understand some simple questions and statements, often needing to see things again. Course topics vary slightly by language, but are all culturally based through authentic resources, and can include greetings, your name, and where you learned ASL.

AMERICAN SIGN LANGUAGE II WDL104

Credit Type: 0.5

Prerequisite: American Sign Language I

Grade Level(s): • 10 • 11 • 12

Sub-Cluster(s): • Information Support and Services

This world language class will be a continuation of the concepts learned in ASL I. This course is designed for students who have successfully completed ASL I at Wilmot Union High School. In addition to new vocabulary and grammar, this course will also afford students insight into the culture of the Deaf community. An emphasis will be placed on basic ASL vocabulary development, and an introduction to the syntax and grammar, sentence structure, and the cultural foundations of ASL. Students will work on developing both an expressive and receptive understanding of WH questions, Yes/No questions, basic sentence structure, directional verbs, and the use of imperatives. Topics of study will include campus life, family, food, and sports through demonstrations, dialogues, and videos. They will also be able to recognize some cultural

practices. Course topics vary slightly by language, but are all culturally based through authentic resources.

AMERICAN SIGN LANGUAGE III WDL105

Credit Type: 0.5

Prerequisite: American Sign Language II

Grade Level(s): • 10 • 11 • 12

Sub-Cluster(s): • Information Support and Services

This world language class is the follow up to successful completion of ASL I and II. In addition to new vocabulary and grammar, this course will continue to offer students insight into the culture of the Deaf community. An emphasis will continue to be placed on ASL vocabulary development, and an introduction to the syntax and grammar at a deeper and more complex level. Topics that may be covered are daily routines, traits & tendencies, more clothing, animals & their habitats, and the community. Students will also be able to recognize and demonstrate cultural practices of the Deaf. Course topics vary slightly by language, but are all culturally based through authentic resources.

AMERICAN SIGN LANGUAGE IV WDL106

Credit Type: 0.5

Prerequisite: American Sign Language III

Grade Level(s): • 11 • 12

Sub-Cluster(s): • Information Support and Services

This is the final class of American Sign Language that you can take at Wilmot. The prerequisite is successful completion of ASL levels I, II and III. This course will continue to expand on students' knowledge and familiarity with the culture of the Deaf community. Emphasis will be placed on further ASL vocabulary development, and syntax and grammar at a deeper and more complex level. Topics that may be covered are communities, life events, and careers. Students will also be able to demonstrate cultural practices of the Deaf. Course topics vary slightly by language, but are all culturally based through authentic resources.

SPANISH II WDL201

Credit Type: 1.00

Prerequisite: WDL101

Grade Level(s): • 9 • 10 • 11 • 12

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

SPANISH III WDL301

Credit Type: 1.00

Prerequisite: WDL201

Grade Level(s): • 10 • 11 • 12

A year of study of the language through reading, writing, listening, and speaking. Students will build on their knowledge of verb tenses. The class will be taught in Spanish. Completion of this

course of study may lead to opportunities at the college level to earn retroactive credits in Spanish.

HONORS SPANISH IV WDL401

Course Type: Honors

Credit Type: 1.00

Prerequisite: Successful completion of WDL301

Grade Level(s): • 11 • 12

A year of study of the language through reading, writing, listening, and speaking. Students will use all indicative tenses and begin the subjunctive mood. The class will be taught in Spanish. Completion of this course of study may lead to opportunities at the college level to earn retroactive credits in Spanish.

SPANISH FOR HEALTH CARE WDL403

Credit Type: 0.50

Prerequisite: 1st semester of WDL301

Grade Level(s): • 11 • 12

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

HONORS SPANISH V WDL500

Course Type: Honors

Credit Type: 1.00

Prerequisite: WDL401

Grade Level(s): • 12

In this year-long course, students will further their communicative competence through a variety of conversational and listening activities. Students will also further develop their reading and writing skills using authentic materials which explore the diversity of the Spanish speaking world. Completion of this course of study may lead to opportunities at the college level to earn retroactive credits in Spanish. *Honors level applies to the class of 2026 and beyond.