



2023-2024 Course Guide



2023-2024

Cedarburg High School Course Guide

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WELCOME TO CEDARBURG HIGH SCHOOL

December 2022

Dear Students/Parents:

The *2023-2024 Cedarburg High School Course Guide* has been designed to help develop and manage an informed four-year educational program.

A review of this publication will reveal the rigor of our academic programs and the diversity of the curricular offerings. Our goal is to provide various options for an individualized course of study aligned with specific goals and interests. To serve that purpose, our staff and school have added several new courses over the past few years to maintain modern and relevant courses for our students.

The *CHS Course Guide* provides in-depth descriptions for all courses and course levels. Please take the time to review this information, reflect on personal goals, and ultimately, make informed decisions that will positively impact academic progress.

Cedarburg High School staff members are committed to ensuring an exemplary education by engaging all students in rigorous learning experiences, developing meaningful relationships, and evolving into lifelong learners. We encourage thorough exploration of the offerings presented in this *CHS Course Guide*. Please use this as a resource to inform discussions with families, teachers, and school counselors. Best wishes for a positive and meaningful school year. Go Bulldogs!

Sincerely,

A handwritten signature in black ink that reads "Casey M. Bowe". The signature is written in a cursive style with a large, stylized 'C' and 'B'.

Casey Bowe
Principal
Cedarburg High School

NOTICE

It is the policy of the Cedarburg School District that no person may be denied admission to any public school in this district or be denied participation in, be denied the benefits of, or be discriminated against in any curricular, extracurricular, pupil service, recreational, or other program or activity because of the person's sex, race, color, national origin, ancestry, creed, pregnancy, marital or parental status, sexual orientation, or physical, mental, emotional, or learning disability or handicap as required by S.118.13, Wisconsin Statutes. This policy also prohibits discrimination as defined by Title IX of the Education Amendments of 1972 (sex), Title VI of the Civil Rights Act of 1964 (race, color, and national origin), and Section 504 of the Rehabilitation Act of 1973 (disability). All career and technical education programs, courses, and related activities are open to all students. Those wishing to file a complaint can contact the District Superintendent at W68 N611 Evergreen Blvd. Cedarburg, Wisconsin 53012, (262) 376-6100.

GRADUATION REQUIREMENTS

The Cedarburg School District believes that it is in the best interest of Cedarburg High School students to experience the diversity and quality of our school curriculum, which permits students to choose a high-quality educational program.

Student Classes/Credit

Half-credit courses meet every other day for any semester. One Credit courses meet every other day for the entire school year (Two Semesters). Credit will be given by semester for classes satisfactorily completed. No credit will be awarded for courses in which a failing grade is earned.

High School Graduation Requirements

A minimum of 24 credits are required for a student to graduate from Cedarburg High School. To achieve twenty-four (24) credits, each student must complete 15 required credits, with the remaining credits taken as electives. The required credits are:

- 4 credits in English
- 3 credits in Social Studies
- 3 credits in Science
- 3 credits in Mathematics
- 1½ credits in Physical Education
- ½ credit in Health

Refer to English, Social Studies, Science, Math and Physical Education for specific requirements.

*Note: to meet the district's financial literacy requirement for graduation, seniors must select one of the following courses:

- College Personal Finance,
- Honors Economics & College Finance,
- Economics,
- AP Economics

Specific course requirements in these areas are listed in each subject area within the *CHS Course Guide*. Please note all course fees are approximate and are subject to change. (Per Board Policy 5460).

GUIDELINES & POLICIES

Semester Load Requirements

All students in grades nine through twelve shall be enrolled in a minimum of three and one-half (3.5) credits each semester for a total of seven (7) credits per year. Students who return to school for a ninth semester or more need not fulfill this enrollment requirement.

A typical course load is seven (7) credits with a maximum of eight (8) credits. Seniors with three (3) or more AP courses must maintain a minimum of six (6) credits.

Other exceptions to these minimum and maximum credit loads must be cleared through the counseling office; a further appeal is available through the principal. Each student must be enrolled in a class, study hall, or approved activity each hour of each class day. (Per Board Policy 5200.01)

Early Graduation

The Cedarburg High School educational program is designed to be completed in four years or eight semesters. However, students may graduate early if they meet all of the following requirements:

1. accrue 24 credits
2. successfully complete all 15 required credits
3. complete a Mid-Year Graduation Request form from the Counseling Office
4. hold a student/parent conference with the principal and student's counselor

If graduation requirements are not completed upon the first semester's end, the student must carry enough subjects during the second semester to meet the minimum 7-credit yearlong requirement. A student who completes their graduation requirements early receives his/her diploma at the end of the school year at the graduation ceremony of his/her graduating class (or after if the student cannot attend the graduation ceremony). The graduate's permanent record (transcript) indicates that his/her graduation date is at the end of the school year with his/her graduating class, but will note that all graduation requirements have been completed by midyear.

Awarding Credit for Transfer Students New to Cedarburg High School

Credits and grade point averages earned at another public or private/parochial high school will be accepted and treated like credits and grade point averages earned at Cedarburg High School. Cedarburg High School will record all courses from the previous school, with the designated credits shown on the transcript. Home-based private educational program students who transfer into Cedarburg High School and are placed at the sophomore year level or higher will be allowed six credits toward graduation for each of the years below the grade level of placement. Courses taken by students in home-based private educational programs will be recorded on the student's permanent record. Credit will only be recorded that complies with mandates of curriculum requirements for home-based private educational programs under state law or is deemed by the High School Principal to meet the criteria of an elective in the current high school CHS Career Planning and Course Guide. Home-based

instruction will be recorded as credit only. Home-based grades will not be recorded on the admitting high school transcript. Grades and grade point averages from home-based private educational programs shall not be used in class standing.

Awarding Credit for Classes by District Students at Programs Other than Cedarburg High School

- **Other High Schools** – Credits earned in courses taken at another public, private or parochial high school will be accepted and treated like credits earned at Cedarburg High School. Credit to be awarded toward graduation for classes taken by District students at other public high schools under the part-time public school open enrollment program shall be determined by the High School Principal or his/her designee before the student takes the course. Courses taken by District students at other high schools will not count as part of the student's grade point average or be used in class standing.

- **Foreign Exchange Programs** - The Board of Education recognizes the educational value of student foreign exchange programs. Parents/guardians, students, and school counselors must meet before a district student participates in a foreign exchange program to review plans and verify graduation requirements. The High School Principal must pre-approve the program before any credit will be granted. Upon verification that a student has participated satisfactorily in a pre-approved foreign exchange program, the High School Principal or his/her designee:
 - Award credit based upon the evaluation of the transcript and the course hours and curriculum from the participating school. If equitable, credit will be awarded in the areas of study and the amount applicable to the experience. Credits may be given for required Cedarburg High School courses.
 - Award up to two credits per semester for independent study, more specifically, as a foreign cultural experience. Credits would be given in the foreign language and/or social studies areas. These credits will be elective credits.

Students participating in pre-approved summer foreign exchange programs may receive up to one-half credit. The program must be six weeks in length or greater. Upon return, students must request the credit in writing and submit a journal/log of their experiences to the High School Principal or his/her designee. Credit will be awarded on a pass/fail basis.

All courses taken by a District student as part of a foreign exchange program will be noted on the transcript. They will not count as part of the student's grade point average or be used in class standing.

Early College Credit Program (ECCP) and Start College Now – A student in grades 9 through 12 will be permitted to enroll in a UW System institution, technical college, or a private, non-profit institution of higher education to take one or more nonsectarian courses, for which the student may earn high school credit, post-secondary credit, or both. While technical colleges are not included in the new ECCP financial structure, high school students will continue to be able to enroll in courses offered by a technical college through the Start College Now program. The High School Principal or his/her designee shall evaluate courses taken by students through the ECCP and Start College Now Programs

about the District's curriculum, graduation requirements, and comparability to Cedarburg High School course offerings and award high school credit accordingly. Credit will be awarded for ECCP courses consistent with state law and regulations. A student not satisfied with the District's decision regarding the comparability of courses, the satisfaction of high school graduation requirements, or the number of high school credits to be awarded may appeal the decision to the State Superintendent of Public Instruction per state law. For those postsecondary courses taken for high school credit, the grade for that course will be computed at the end of the next regular grading period at the high school following the receipt of an official transcript from the institution of higher education. If a student receives a failing grade in a course or fails to complete a course, the student's parent, or the student, if an adult, shall reimburse the School District the amount paid on the student's behalf under this program. If the Board is not reimbursed as requested, the student shall not be eligible for further participation in the program. A failing grade in the School District shall constitute a failing grade under this guideline.

For those postsecondary courses taken for high school credit, the grade for that course will be computed at the end of the next regular grading period at the high school following the receipt of an official transcript from the institution of higher education. All grades to be entered on the high school transcript must be taken from an official transcript from the institution of higher education. Should there be an urgent need for a letter grade, notification on official letterhead from the institution of higher education's instructor advising of the grade will be accepted to verify the grade. Classes in English, Math, Science, and Social Studies that extend beyond what is offered at CHS in the standard course sequence will be weighted the same as AP courses and Calc III.

Other Accredited Educational Institutions/Programs (e.g., correspondence courses, pre-college programs, summer enrichment programs)

A maximum of three elective credits from other accredited, credit-granting institutions may be applied toward the required 24 credits for graduation from Cedarburg High School. Prior approval from a principal-selected committee, which may include a school counselor and a department leader, must be given before a student enrolls in an educational institution or program under this section for credit. Students must apply to the committee by June 1 for the fall semester and November 1 for the spring semester. For students requesting courses that Cedarburg High School cannot fulfill because of scheduling conflicts, the application process timeline may be extended to July 15. The following criteria will be used to determine approval:

- Is the course being offered by an accredited institution?
- Will the student receive a transcript?
- How many post-secondary credits are earned in the course?
- Does the course support the student's educational program at Cedarburg High School?
- For how many hours does the course meet?

The student must contact the educational institution for which credit in a course is being requested to have a transcript forwarded to the Counseling Office at Cedarburg High School. This official transcript

must indicate the course title, the letter grade earned, and the number of credits earned for the course at the educational institution. Cedarburg High School credit will be granted based on successful course completion upon review of the transcript. Credits earned at another educational institution will be accepted and treated like credits earned at Cedarburg High School. No credit will be awarded for failing grades.

For seniors wanting to graduate with their class, transcripts from pre-approved institutions under this section must be received in the Counseling Office no later than May 1. Courses taken at other educational institutions under this section will not count as part of the student's grade point average or be used in class standing.

High School Equivalency Diploma (HSED) Program

A maximum total of 3.5 credits will be granted for work completed in the HSED program. The five academic courses, civics, and career planning are equivalent to one-half Cedarburg High School credit each.

AWARDING OF CREDIT FOR ADVANCED COURSES TAKEN BY MIDDLE SCHOOL STUDENTS

Advanced courses taken by Cedarburg School District students enrolled in middle school will not be noted on the high school transcript. They will not be counted in the grade point average or count toward high school graduation requirements.

ACADEMIC PROGRAM

Each student's academic program is annually reviewed by school counselors. Questions about the student's academic program may be directed to the school counselor.

STUDENT COURSE SELECTION

Students, with the aid of their parents, teachers, and counselor, are expected to choose their courses carefully, considering their post-secondary goals. Every effort is made to honor student course selections, but schedule conflicts occur.

COURSE RETAKES

Students who retake a course in which they have earned a low grade will have the new grade calculated in the grade-point average. Still, the additional credit will not be counted toward specific graduation requirements. The previous grade remains and is calculated in the grade-point average.

SCHEDULE & STAFF CHANGES

Students, with the aid of their parents, teachers, and counselor, are expected to choose their courses carefully, considering their post-secondary goals. If a student needs to add or drop a class to his/her schedule, refer to the following guidelines:

COURSE DROP/CHANGE SEQUENCE (only one class)

0-5 school days	Students may adjust classes as their schedule and class sizes allow.
6 days to the 1st Progress Marking Period	Students must follow the handbook change/drop process stated below. No consequence if a decision is made by all involved that a change is appropriate. "W" if the student wishes to change against the staff's suggestion. The class will be replaced by a study hall.
From the 1st Progress Report Marking Period to the End of the Quarter	Students may drop with a "W" placed on the transcript. The class will only be replaced by a study hall.
End of the Quarter to the End of the Semester/Year	Students may drop the class with an "F" on the transcript and will be placed in a study hall.
End of the Semester	Students may change classes to another semester class or a class where the content aligns to best support the transition.

****NOTE:** A course change is only processed if it fits within the student's schedule and there is room in the class being added. Students must maintain 7 classes each semester unless approved by the administration.

At Cedarburg High School, we believe the best way to succeed in the classroom is through regular communication between the student, staff, and parents/guardians. Therefore, the following steps are required if and when issues between a student and his/her teacher or counselor arise and a staff change is requested:

1. Student meets with the teacher or counselor to discuss the struggles and work to resolve them.
2. (Teacher Change) Parent/Guardian and teacher meet to identify and analyze the problem and create a plan to move forward. The plan may include seeking additional support during resource or after school, modifications in class when appropriate, or other forms of support deemed necessary.
3. (Teacher Change) Parent/Guardian, student, and teacher will meet with the counselor to discuss and seek improvements.
4. (Counselor Change) Parent and counselor meet to identify and analyze the problem and create a plan to move forward. The plan may include differentiating services or increasing the frequency of support.
5. When efforts between students, staff, and parents have reached an impasse, a written request may be made to the administration that identifies the concerns and action steps taken to remedy struggles.

For ease of change and fluency of assignments and grades, teacher changes will only be executed at the end of each quarter.

REFUND POLICY

Requests for refunds of course fees must be made in writing to the high school office within 15 days of the start of the semester in which the course was originally scheduled. The student must have dropped the course before the first day of class to be eligible for a refund. Any additional course fees for added courses must be paid at the time of scheduling.

GRADE WEIGHTING

All Advanced Placement courses, along with Calculus III, are weighted by one full grade (i.e. 3.0=4.0).

HUMAN GROWTH AND DEVELOPMENT

In compliance with Wisconsin State Statute 118.019, Cedarburg High School is committed to providing human growth and development as part of its comprehensive education program. The required high school course that includes Human Growth and Development instruction is Freshman Health. Parents are provided with information about this instruction's content and are invited and encouraged to review the human growth and development curriculum and instructional materials. If desired, parents have the right to exempt their child from participation in this instruction.

ARTICULATED COURSES FOR COLLEGE CREDIT

Several Cedarburg High School departments have articulated agreements with various post-secondary institutions around the state, allowing our students the opportunity to earn college credit. For a student to gain college-level credit, certain requirements must be met by the student. Students should contact the instructor of the CHS course to learn more about how these credits can be earned. Below is a list of the courses with current agreements. The availability of articulated credits is based on the availability of staff certified by the institution of higher education.

CHS Course	Supporting College	
College Introduction to Public Speaking	UW-Oshkosh CAPP (3 cr. Communications 111: Introduction to Public Speaking)	T.C.
College Journalism	UW-Oshkosh CAPP (3 cr. Journalism 221: Writing for the Media)	T.C.
College Trigonometry/Pre-Calculus	UW-Oshkosh CAPP (5 cr. MATH 108: Pre-Calculus)	T.C.
College Calculus III	UW-Oshkosh CAPP (4 cr. MATH 273: Calculus III)	T.C.
College Reading	UW-Oshkosh CAPP (1 cr. ACAD-169)	T.C.
College Commercial Art/Graphic Des.S1	Milwaukee Area Technical College (3 cr. GRDS 103: Design Elements & Principles)	T.C.
College Commercial Art/Graphic Des.S2	Milwaukee Area Technical College (3 cr. GRDS 122: Vector Graphics: Adobe Illustrator)	T.C.
College Digital Photography	Milwaukee Area Technical College (3 cr. PHOTO 141: Photoshop® for Photographers 1)	T.C.
College Personal Finance	UW-Oshkosh CAPP (3 cr. BUS 231:Personal Finance)	T.C.
Honors Econ. and College Finance	UW-Oshkosh CAPP (3 cr. BUS 231:Personal Finance)	T.C.
College Entrepreneurship	UW-Oshkosh CAPP (3 cr. BUS 198: Introduction to Business)	T.C.
College Introduction to Engineering Design (IED)-PLTW	Milwaukee School of Engineering (3 cr. GE-1002: Introduction to Engineering Design)	T.C.
College Principles of	Milwaukee School of Engineering (3 cr. GE-1001: Principles	T.C.

Engineering (POE)- PLTW	of Engineering)	
College Civil Engineering and Architecture (CEA)- PLTW	Milwaukee School of Engineering (3 cr. GE-1006: Civil Engineering and Architecture)	T.C.
College Principles of Biomedical Science- PLTW	Milwaukee School of Engineering (3 cr. BI-1001: Principles of Biomedical Science)	T.C.

TC (Transcribed Credit) = Upon successful completion of their CHS course and college requirements, students will receive credit for a college equivalent course that will be placed on a respective college transcript for that student.

CAPP (Cooperative Academic Partnership Program) = CAPP at the University of Wisconsin Oshkosh and Lakeland College provides academically able high school students an opportunity to earn college credits while still in high school. Qualified students may enroll in select college courses taught by university-approved high school instructors.

- [UW-Oshkosh CAPP Website](#)
- [Colleges that accept CAPP credits](#)

**** NOTE:** Please see your CAPP instructor or school counselor for the latest information on the cost of these offerings.

PLTW [Project Lead the Way At MSOE](#) = Students who meet Milwaukee School of Engineering (MSOE) eligibility requirements for taking CHS PLTW classes can apply for MSOE credit.

(AP) [Advanced Placement](#) = AP courses provide an advanced curriculum through the College Board, preparing students for an AP Course Exam administered at Cedarburg High School in the spring of the year. Students earning qualifying scores on the exam are eligible for widely accepted college credits. Sharpening skills in AP courses can make the transition from high school to college easier.

MATC [Dual Enrollment Academies](#) - The Dual Enrollment Academies (DEA) are for seniors interested in receiving college-level training to begin careers in high-demand fields while in high school. Throughout their senior year, DEA students earn high school and college credits while spending the majority, if not all, of their school day at Milwaukee Area Technical College (MATC). MATC is in the process of finalizing its DEA offerings for the 2023-24 school year. They will offer all Academies listed below and add an Early Childhood Education DEA and an Emergency Medical Technician program. Click on the programs for links to specific information about each program.

- [CNC/Machining Technician \(pdf\)](#)
- [Criminal Justice \(pdf\)](#)
- [Culinary Arts \(pdf\)](#)
- [Dental Assistant \(pdf\)](#)

- [Fire Technician \(pdf\)](#)
- [Health Unit Coordinator \(pdf\)](#)
- [Hospitality Management \(pdf\)](#)
- [Information Technology \(pdf\)](#)
- [Nutrition & Dietetic Technician \(pdf\)](#)
- [Practical Nursing \(pdf\)](#)
- [Pre-Health \(pdf\)](#)
- [Welding \(pdf\)](#)

GLOBAL SCHOLARS PROGRAM

Cedarburg High School students who wish to obtain their Global Scholars certificate must fulfill the following four graduation requirements:

Part 1: Course Work

Students must complete at least 4 yrs/credits in a single world language (French, German, or Spanish). Students must also complete at least 4 credits of coursework with a global focus, which includes courses on:

International Economics, Business or Marketing	AP Economics, Honors Economics, Economics, Marketing and International Business
International Studies	20th Century Conflicts, AP Comparative Government and Politics, International Foods
Mathematics	Global Mathematics
World History	AP World History, Ancient Civilizations
World Geography	AP Human Geography, Global Studies
Science and Technology	Environmental Science, AP Environmental Science, AP Computer Science Principles, Cybersecurity, College Introduction to Engineering Design-PLTW, College Principles of Engineering-PLTW, College Civil Engineering and Architecture-PLTW, College Engineering Design and Development-PLTW, College Biotechnical Engineering-PLTW

Literature	Composition/Literature 10, Honors Composition/Literature 10, British Literature, AP Literature and Composition
Music, Drama, and Visual Arts	Cultural Art, AP Art History

Part 2: Cultural Literacy

Each student seeking this certificate shall complete independent reviews/reflection on at least eight (8) works of international/cultural media, including at least four books (fiction and nonfiction). International/cultural media may include films, music, and art exhibitions. Students may elect to read books from a recommended reading list or other works (including newly released works) with prior approval by the Global Scholars Coordinator and/or the Global Scholars Cultural Literacy committee. The Global Scholars Coordinator and/or the Global Scholars Cultural Literacy committee will determine the criteria for reviews and reflections and how student works will be evaluated.

Part 3: Co-Curricular and Other School-Sponsored Activities

Each student seeking this certificate shall demonstrate an interest in global citizenship through active participation and leadership in at least four (4) co-curricular and other school-sponsored or endorsed activities in grades 9-12. These co-curricular and other school-sponsored or endorsed activities are identified on the school's Global Scholars website.

Part 4: Community Service

Each student shall complete a global/cross-cultural public service project involving at least twenty (20) hours of work, connected to a global community (different from his/her own) or to a global issue. This project may include raising awareness about a global issue, fundraising for an international nonprofit service agency/organization, working on an international project with Returned Peace Corps Volunteers, Rotary, or another Service Club, tutoring a child who is an English language learner, or volunteering with a cultural/linguistic group in the community. Each student shall present a project proposal to the CHS Community Service coordinator and must follow district/school policy before initiating the project and submit a summary report upon completion.

INDUSTRY RECOGNIZED CERTIFICATIONS & SCHOOL TO WORK PROGRAMS

YOUTH APPRENTICESHIPS (YA)*

Wisconsin Department of Workforce Development
Certificates of Occupational Proficiency in the areas of:

Agriculture & Food Science	(9845)
Architecture & Construction	(9860)
Arts, Audio/Visual Technology & Communication	(9825)
Finance	(9870)
Health Science	(9840)
Hospitality & Tourism	(9835)
Information Technology	(9830)
Manufacturing	(9890)
Transportation, Dist. & Logistics	(9850)
STEM (Sci, Tech, Eng., and Math)	(9880)



Credit: ½ credit each semester for the industry-related course and ½ credit each semester for the work experience component Levels: 11 & 12

PREREQUISITE: Meet eligibility criteria; complete the application process; selection is by industry representatives

FEES: None

COURSE DESCRIPTION: Youth Apprenticeship (YA) integrates school-based and work-based learning to instruct students in employability and occupational skills defined by Wisconsin Industries. YAs are operated under guidelines established by the State of Wisconsin and are coordinated with each Ozaukee County school district. Students chosen for YA programs are scheduled into high school courses, industry-related coursework, and paid worksite learning. Successful completion of the YA program provides each student with a certificate of occupational proficiency from the State of Wisconsin, high school diploma, and advanced standing with the Wisconsin Technical College System. After graduation from high school, students can enter the workforce with enhanced employability skills, enter a technical training program or college, or enroll at a four-year university to study for a baccalaureate degree. Program requirements for a “level one” certification include 450 hours of work-based experience & 900 hours for a “level two” certification.

*All OYA can be taken for either one or two years.

For more information regarding the partnership between CHS and OYA, please check out the [Ozaukee Youth Apprenticeship Website](#) for more information.

ADDITIONAL INDUSTRY RECOGNIZED CERTIFICATION OPPORTUNITIES

The following certification can be earned through coursework and successful completions of certification exams:

BRIGGS & STRATTON CORPORATION - MASTER SERVICE TECHNICIAN

- **COURSES:** Small Engines or Transportation Technology
- **DEPARTMENT:** Technology and Engineering

NATIONAL RESTAURANT ASSOCIATION - SERVSAFE

- **COURSES:** Basic Foods, International Foods or ProStart I
- **DEPARTMENT:** Family and Consumer Science

NATIONAL RESTAURANT ASSOCIATION - PROSTART

- **COURSES:** Completion of both ProStart I & II
- **DEPARTMENT:** Family and Consumer Science

WOODWORK CAREER ALLIANCE - SAWBLADE

- **COURSES:** Wood Technologies II or Wood Technologies Design Capstone
- **DEPARTMENT:** Technology and Engineering

CHS STATE-CERTIFIED REGIONAL CAREER PATHWAYS

[NURSING](#)

[CONSTRUCTION](#)

[ADVANCED MANUFACTURING TECHNOLOGY](#)

Credit: N/A

Level: all (recommended by sophomore year)

DEPARTMENT: Counseling

PREREQUISITE: Save the career as one of interest in Naviance.

FEES: per the fee structure as outlined in the courses taken

COURSE DESCRIPTION: Participating in one of the CHS state-certified regional career pathways allows students the opportunity to explore and prepare for careers after high school. To be considered a Wisconsin Regional Career Pathway completer, a student must participate in 3 of 4 possible career exploration elements below:

ELEMENT 1 - Complete a Sequence of 3 Pathway Courses

ELEMENT 2 - Obtain an Industry-Recognized Certification

ELEMENT 3 - Participate in a Work-Based Learning Experience

ELEMENT 4 - Participate in a College Credit Opportunity

ADDITIONAL SCHOOL TO WORK PROGRAMS

CAREER INTERNSHIP 7500

Credit: ½ per semester Levels: 11 & 12
DEPARTMENT: Business Information & Technology
PREREQUISITE: Department Approval
FEES: None

COURSE DESCRIPTION: This course is offered to juniors and seniors who want to obtain experience in a potential career choice. The placement opportunities depend upon the student's interests and suitability and availability for voluntary (unpaid) involvement. Learning experiences may include assisting in a classroom, working at a nonprofit organization, and obtaining valuable knowledge at a local business. Students often share similar experiences as college interns. Students will also meet in the classroom roughly once a month to learn about valuable employment skills like interviewing and positive work traits. Each student will meet with their advisor once a week to discuss their weekly written report and make plans for future activities. The department must recommend students interested in this course before registration. It is highly recommended that students be placed in an internship before the start of the semester. Students can take a Career Internship for one semester or the entire school year.

WORK RELEASE 1940

Credit: ½ per semester Levels: 11 & 12
DEPARTMENT: Administration
PREREQUISITE: School Counselor, At-Risk Coordinator, and Administrator consent
FEES: None

COURSE DESCRIPTION: Work Release is a supervised school-to-work program, but students are responsible for obtaining their employment. Contracts are established with administration, the student, their employer, and the parent(s)/guardian(s). Students must work an average of 15 hours per week and provide documentation of their work hours. Students are evaluated quarterly based on worksite performance. Applications for this course must be picked up from and returned to the Attendance Office. Students will officially be scheduled for Work Release once a student's employment is verified.

Note: Work Experience is scheduled in addition to the minimum seven credit requirement. Grades are satisfactory/unsatisfactory and are not included in the grade point average.

VISUAL ARTS

Grade 9	Grade 10	Grade 11	Grade 12
2D Drawing & Design Gr. 9-12. .5 credit			
3D Design Gr. 9-12. .5 credit			
Technical Theatre Gr. 9-12. .5 credit			
	Jewelry Design Gr. 10-12 .5 credit		
	Drawing Gr. 10-12. .5 credit		
	Intro Ceramics Gr. 10-12. .5 credit		
	Adv Ceramics Gr. 10-12. .5 credit		
	Sculpture Gr. 10-12. .5 credit		
	Cultural Art Gr. 10-12. .5 credit		
	Calligraphy Gr. 10-12. .5 credit		
	College Commerical Art/Graphic Design Gr. 10-12. 1 credit #		
		Watercolor Gr. 11-12. .5 credit	
		Painting Gr. 11-12. 1 credit	
		College Digital Photography Gr. 11-12. .5 credit	
		Adv. Photography Gr. 11-12. .5 credit	
		AP Art History Gr. 11-12. 1 credit	
			AP Studio Art Gr. 12. 1 credit
			Ind. Study-Art Gr. 12. .5 credit

Key
Prerequisites
No Prerequisites
= College credit available

2D DRAWING & DESIGN 6110

Credit: ½ Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: \$15.00

COURSE DESCRIPTION: This class gives students a comprehensive background in the two major artistic areas of drawing and design. Students develop skills in observation, eye/hand coordination, and drawing techniques. They are taught artistic vocabulary, color theory, and the principles of two-dimensional design. This class, along with 3-Dimensional Design (6120), provides a foundation for further study in art.

3D DESIGN 6120

Credit: ½ Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: \$15.00

COURSE DESCRIPTION: This class develops students' three-dimensional thinking ability. Students receive instruction in using tools, materials, and techniques to solve three-dimensional problems. Students are taught to develop skills in observation and eye/hand coordination. Projects include work in low and high-relief and additive and subtractive sculptural formats.

TECHNICAL THEATRE: SET DESIGN & BUILD 6125

Credit: 1/2 Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: \$35.00

COURSE DESCRIPTION: This course is designed for students with a desire to learn the fundamentals of theatrical set design. Students will design and construct scene flats and platforms and show specific set pieces used in the current Fall play and Winter musical. Students will learn the safe and proper use of tools and equipment and design concepts, including forced perspective, color, and painting techniques and application. In addition, students will explore project management skills, stage management, and creating a materials list and budget with an opportunity to participate as assistant technical director, stage manager, or crew member on current and future productions. Participation in the production (Fall Play, Winter Musical) is expected.

CULTURAL ART 6130

Credit: ½ Levels: 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: \$30.00

COURSE DESCRIPTION: The Cultural Art course is for students who have an interest in learning about and then creating artwork of various cultures through the examination of their art/craft traditions. Studio projects may include: bead-weaving, carving, dying, mosaics, clay work, etc.

CALLIGRAPHY 6140

Credit: ½ Levels: 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: \$25.00

COURSE DESCRIPTION: Explore calligraphy as an art form through experiences in pen and ink lettering, creation of decorative first letters, flourishing, letter embellishment, and borders. A portion of this course will focus on applying the above lettering skills for personal enjoyment and job-related opportunities.

DRAWING 6150

Credit: ½ Levels: 10, 11 & 12

PREREQUISITE: 2-Dimensional Drawing & Design (6110); 3-Dimensional Design (6120)

APPROXIMATE FEES: \$20.00

COURSE DESCRIPTION: Drawing builds upon skills learned in 2-Dimensional Drawing & Design. Students further develop skills in observation and technique by drawing from the natural and the abstract. Drawing explores different mediums, including ink, charcoal, oil, pastel, etc. Emphasis is placed on “product versus process.” This course is required for students planning on enrolling in painting.

INTRODUCTORY CERAMICS 6170

Credit: ½ Levels: 10, 11 & 12

PREREQUISITE: 2-Dimensional Drawing & Design (6110); 3-Dimensional Design (6120)

APPROXIMATE FEES: \$25.00

COURSE DESCRIPTION: In this class students will learn terminology and properties of clay. They will hand-build clay projects, utilizing several processes such as slab work, hollow forms, and carving. Numerous glazing, painting, and finishing techniques will be addressed. Works created will range from decorative to utilitarian in nature.

ADVANCED CERAMICS 6171

Credit: ½ Levels: 10, 11 & 12

PREREQUISITE: B+ or higher in Ceramics (6170)

APPROXIMATE FEES: \$25.00

COURSE DESCRIPTION: Advanced Ceramics will provide students with a continued focus in the multitude of techniques available in clay work. Advanced hand and slab building techniques are pursued with a foray into mixed media clay work. Progression of skill building in wheel work, clay sculpture, and clay portraiture is emphasized. Students will also participate in an exciting form of clay firing called the Raku Firing technique.

SCULPTURE 6172

Credit: ½ Levels: 10, 11 & 12

PREREQUISITE: 3D Design (6120) or Wood Technologies 1 (8360)

APPROXIMATE FEES: \$25.00

COURSE DESCRIPTION: Sculpture is a semester course designed for students to continue expanding on the techniques of rendering in a 3-dimensional space that they developed in the 3D Design foundation class. Students will explore combinations of media, such as metal, wood, wire, stone, plaster, cement, clay, foam, cloth, etc., to resolve 3-D design problems. Historical and contemporary developments in sculpture will be explored as the students continue to grow in their understanding of the technical aspects and terminology associated with 3-dimensional design. Students will learn the properties of various sculptural media and how to manipulate them with traditional and innovative methods. Emphasis will be on developing each student's awareness of skills and safe practices of the sculpture studio while expanding their artistic awareness and developing their own personal aesthetics as they improve their technical abilities.

JEWELRY DESIGN 6180

Credit: ½ Levels: 10, 11 & 12

PREREQUISITE: 2-Dimensional Drawing & Design (6110); 3-Dimensional Design (6120)

APPROXIMATE FEES: \$35.00

COURSE DESCRIPTION: This course focuses on both the design and creation of a variety of different types of jewelry and metalsmithing techniques. Students will learn enameling, riveting, and torchwork (solder and fusing) while exploring jewelry-making techniques using copper and sterling silver, fibers, beads, and other materials. Creativity, experimentation, and craftsmanship are emphasized.

WATERCOLOR 6190

Credit: ½ Levels: 11 & 12

PREREQUISITE: 2-Dimensional Drawing & Design (6110); 3-Dimensional Design (6120)

APPROXIMATE FEES: \$25.00

COURSE DESCRIPTION: This class builds a solid foundation in the elements of transparent watercolor through a comprehensive program of practice and practical application. Students develop skills in working with media, color mixing, and color theory. Students express themselves creatively as they develop their techniques and composition skills.

PAINTING 6220

Credit: 1 Levels: 11 & 12

PREREQUISITE: 2-Dimensional Drawing & Design (6110); 3-Dimensional Design (6120); Drawing (6150)

APPROXIMATE FEES: \$35.00 per semester (\$70.00 per year)

COURSE DESCRIPTION: Painting is an artistic means of expression. In this class, students develop skills in composition and color theory while working with oil paint and acrylics. In the first semester, students learn painting techniques and art history as it applies to painting; for part of the second-semester, students work independently exploring areas of landscape, figure, and abstract expression, while developing their own style. Painting *or* Commercial Art must be taken as a junior to take AP Studio as a senior.

COLLEGE COMMERCIAL ART/GRAPHIC DESIGN 6230

Credit: 1 Levels: 10, 11 & 12

PREREQUISITE: 2-Dimensional Drawing & Design (6110); 3-Dimensional Design (6120)

APPROXIMATE FEES: \$20.00 per semester (\$40.00 per year)

COURSE DESCRIPTION: The Commercial Art class gives students an overview of commercial art careers. Students utilize Adobe Photoshop® and Illustrator® to creatively solve design problems. The class simulates a commercial art studio; students work on projects for the community and the school in a professional manner. Projects vary according to clients' needs, including posters, menus, T-shirt designs, logos, etc. See page 12 regarding transcripted credit of the course to area colleges (6 college credits). *Painting or Commercial Art must be taken as a junior to take AP Studio as a senior. This course is aligned with MATC for six (6) transcripted college credits if a student receives a grade of C or better.*

COLLEGE DIGITAL PHOTOGRAPHY 6240

Credit: ½ **Levels:** 11 & 12

PREREQUISITE: Must provide own digital camera with MANUAL settings

APPROXIMATE FEES: Base fee \$30

COURSE DESCRIPTION: This course will provide students with an introduction of current digital photo technology as a fine art, documentary, and social media tool. Students will study digital photography's basic technical and aesthetic qualities while using Adobe Photoshop® to edit and enhance their images. Through Photoshop®, digital cameras, scanners, and printers, students will explore the world of the “electronic darkroom.” Prior computer experience is recommended but not required. Upon completing this course, students can enroll in the Advanced Photography course. *This course is aligned with MATC for three (3) transcripted college credits if a student receives a grade of C or better.*

ADVANCED PHOTOGRAPHY 6241

Credit: ½ **Levels:** 11 & 12

PREREQUISITE: Photoshop® and College Digital Photography (6240) students must receive a grade of B+ or better in College Digital Photo

APPROXIMATE FEES: \$30.00

COURSE DESCRIPTION: Advanced Photography is for juniors and seniors who have taken a semester of College Digital Photography and want to continue with more advanced skills in Adobe Photoshop®. This course focuses on more experimental photography as an art form and furthering students' use of photography/Photoshop® as a tool of visual communication and self-expression.

**AP STUDIO ART: DRAWING/PAINTING, 2D DESIGN (A)
OR 3D DESIGN (B) PORTFOLIO 6250A/B**

Credit: 1 (Weighted grade) **Level:** 12

PREREQUISITE: teacher recommendation; must take Painting (6220), College Commercial Art/Graphic Design (6230), Sculpture (6172), OR Advanced Ceramics (6171) as a junior

APPROXIMATE FEES: \$70.00 for supplies, plus \$97.00 for Portfolio submission (optional, but recommended)

COURSE DESCRIPTION: The AP Studio Art course involves time and commitment. The program is intended for students pursuing art as a career. Students will be preparing a portfolio for entrance into art schools, colleges, or job interviews. The AP exam consists of a portfolio of work to be submitted to the College Board in May.

AP ART HISTORY **6255**

Credit: 1 Levels: 11 & 12

PREREQUISITE: Recommended that the student has received a grade of B+ or higher in the Social Studies class(es) they have taken in their sophomore and/or junior years.

APPROXIMATE FEES: \$72 for two volumes of a Course Slide Guide – A Companion Notetaking and Study Resource (optional, but recommended) and \$97 for AP Examination (optional, but recommended)

COURSE DESCRIPTION: AP Art History offers students an exciting opportunity to learn about art, artists, and artworks. Students will view and analyze architecture, sculpture, drawing, painting, and other art forms from the beginning of civilization through the post-modern era. Students will examine major areas of artistic expression from various cultures and eras. This class provides students with the tools for seeing and discussing artworks from a critical and expressive standpoint. This course is designed to prepare students to take the AP College Board Art History exam.

INDEPENDENT STUDY - ART **6260**

Credit: ½ Level: 12

PREREQUISITE: open to grade 12 students who have passed all of their previous art classes at a grade of B or better and have *signed approval* by the instructor at the time of scheduling

APPROXIMATE FEES: \$35 each semester

COURSE DESCRIPTION: Independent Study - Art is an upper-level elective art course that runs concurrently with AP Studio Art. It is designed for highly motivated students who wish to expand their art skills and build a portfolio without the rigor of an AP Studio Art course. Students taking Independent Study - Art will establish goals for individual growth and exploration of their own interests and style. After discussing their goals, the instructor and student will establish an expected number of projects/assignments along with approximate completion dates. Independent study students work at their own pace, choose their own subjects, and are responsible for monitoring their own progress in meeting the goals that they and the teacher establish for them at the beginning of each grading period. Students can take both a fall and spring semester of this course.

BUSINESS INFORMATION & TECHNOLOGY

Grade 9	Grade 10	Grade 11	Grade 12
Business Enterprise Gr. 9-12. 1 credit			
Digital Media Gr. 9-12. 1 credit			
Accounting Gr. 9-12. 1 credit			
Microsoft Office Gr. 9-12. .5 credit			
Desktop Publishing Gr. 9-12. .5 credit			
	Leadership Gr.10-12. .5 credit		
	Sports & Entertainment Management Gr. 10-12. .5 credit		
	Marketing & International Business Gr. 10-12. 1 credit		
		College Entrepreneurship Gr. 11-12. .5 credit #	
		Career Internship Gr. 11-12. .5 or 1 credit	
		Digital Publications Gr. 11-12. 1 credit	
			College Pers. Finance Gr. 12. .5 credit #
			Honors Econ & Finance Gr. 12. 1 credit #
			Business Capstone Gr. 12. 1 credit

Key
Prerequisites
No Prerequisites
= College credit available

MICROSOFT OFFICE**7210****Credit:** ½ **Levels:** 9, 10, 11 & 12**PREREQUISITE:** None**APPROXIMATE FEES:** None

COURSE DESCRIPTION: This course is designed as an introductory course available to freshmen through seniors interested in learning how to use the Microsoft® Office Products. You will format and key Word documents, organize spreadsheets using Excel, and create presentations in PowerPoint.

DESKTOP PUBLISHING**7230****Credit:** ½ **Levels:** 9, 10, 11 & 12**PREREQUISITE:** None**APPROXIMATE FEES:** None

COURSE DESCRIPTION: This course is designed to reinforce your knowledge of desktop publishing concepts, develop your understanding of one of the most powerful and currently used desktop software programs and improve your confidence and skill in creating publications. As you progress from simple to more complex projects using Adobe InDesign® software, you will improve your ability to develop professional publications such as fliers, announcements, magazine covers, a personal calendar, and much more! You will have the opportunity to contribute to a variety of print jobs throughout the school and be able to produce items such as a t-shirt, decals, calendars, and more!

DIGITAL MEDIA**7260****Credit:** 1 **Levels:** 9, 10, 11 & 12**PREREQUISITE:** None**APPROXIMATE FEES:** None

COURSE DESCRIPTION: Students will learn how to produce, edit, and market a variety of digital media. Types of projects include digital shorts, live media, GIFs, podcasts, and more. Students will be able to successfully use a variety of production and editing hardware and software. Students will also be able to successfully tell a story using digital media. Some projects include live-streaming graduation, multi-camera live streaming, social media event graphic creation, and more!

DIGITAL PUBLICATIONS**7280****Credit:** 1 **Levels:** 11 & 12**PREREQUISITE:** Desktop Publishing (7230) and Digital Media (7260) or Department Approval**APPROXIMATE FEES:** None

COURSE DESCRIPTION: Students will apply skills acquired in Desktop Publishing and Digital Media as they produce various media productions. This is a project-based class in that students will complete the following required projects: Yearbook (Cedarial), mic'd-up videos, live streaming of events/sports, interviews/podcasts, graphic designs within the school and community, and social media content and marketing calendar for a local business. Students will also look at the business side of media and publishing by creating content for purchase by the student body,

parents, and the community. This class will have required activities outside of the class and students must attend for project completion.

ACCOUNTING

7330

Credit: 1 Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: \$5 for access to online simulation

COURSE DESCRIPTION: Accounting is a life skill. It teaches students to think critically and systematically organize, maintain, and interpret financial records. Students will do accounting activities for a service business organized as a sole proprietorship and a merchandising business organized as a partnership. Students will learn double-entry accounting; the accounting equation; the use of “T” accounts; how to journalize transactions into general and special journals; how to post to general and subsidiary ledgers; how to prepare financial statements; and do end-of-fiscal period work. This is accomplished through textbook activities using the Excel program and field trips. Students will also use Quickbooks® and Square® register to provide an electronic application of accounting. Students will also experience managerial accounting through the school store, concession stand, and in-class cost calculations.

COLLEGE ENTREPRENEURSHIP

7410

Credit: ½ Levels: 11 & 12

APPROXIMATE FEES: \$5 for access to online simulation; approximately \$300 for 3 college credits (roughly a \$700 discount).

COURSE DESCRIPTION: This course is designed as an introductory course available to juniors and seniors interested in learning more about business. Students will be exposed to many different aspects of business, including economics, management, marketing, distribution, business formation, finance, etc. The class is very entrepreneurship based as students will complete a business plan of a business they create!

NOTE: Students in all grades with a 2.75 cumulative GPA have the option to earn three college credits through the UW-Oshkosh CAPP program (Business 198: Introduction to Business).

BUSINESS ENTERPRISE

7611

Credit: 1 Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: \$5 for access to online simulation

COURSE DESCRIPTION: This course is designed to provide a basic understanding of the essential elements of business, including marketing, promotion, entrepreneurship, economics, leadership, communication and ethics just to name a few. The course will also introduce students to the fundamental management functions, including planning, organizing, implementing, and controlling. Students will complete various small group projects, including cereal creation, social responsibility service, and the creation of a new beverage. Students will take part in their own hands-on selling competition by selling food during lunch to raise money for the Business Department scholarships. The Capstone Project for the class allows students to manage their own restaurant via Virtual Business Restaurant Simulation. Students will also take a field trip to learn more about different careers within the business.

SPORTS AND ENTERTAINMENT MANAGEMENT**7621****Credit:** ½ **Levels:** 10, 11 & 12**PREREQUISITE:** None**APPROXIMATE FEES:** None

COURSE DESCRIPTION: This course is a specialized course for students with a career interest in the fields of sports and entertainment. This course provides students with marketing, sales, promotions, communications, and management competencies through a project-based approach. Students will also participate in running a high school event. Depending on the season, students will play fantasy football or baseball.

MARKETING & INTERNATIONAL BUSINESS**7632****Credit:** 1 **Levels:** 10, 11 & 12**PREREQUISITE:** Business Enterprise**APPROXIMATE FEES:** None**NOTE:** This course is part of the Global Scholars certificate program.

COURSE DESCRIPTION: Marketing and International Business is an advanced course and a continuation of Business Enterprise. Marketing and International Business continue to allow students to work collaboratively with other students through project-based assignments. This course emphasizes marketing products and services to an end consumer and business from a worldwide perspective. Upon completing this course, students will know how to reach target markets domestically and abroad successfully. Emphasis will be placed on cultural influences, importing/exporting, trade relations, and the 4 P's of marketing. Projects could include: developing your brand, pricing competitions, conducting business abroad share outs, and more.

BUSINESS CAPSTONE**7699****Credit:** 1 **Level:** 12**PREREQUISITE:** Business Enterprise and Accounting or College Entrepreneurship or see Department approval**APPROXIMATE FEES:** None

COURSE DESCRIPTION: Students will take a hands-on approach to their learning by running the school store. They will be able to apply their knowledge in a multitude of ways. Students will also directly benefit from the success of the school store by participating in profit sharing (you can make \$\$\$). In addition, students will collaborate with other departments and business community members to create products to sell within the school store and complete individual projects to deepen their learning in areas of interest.

CAREER INTERNSHIP**7500****Credit:** ½ or 1 **Levels:** 11 & 12**PREREQUISITE:** Department Approval**APPROXIMATE FEES:** None

COURSE DESCRIPTION: This course provides opportunities for juniors and seniors who want to obtain experience in a potential career choice. The placement opportunities depend upon the student's interests and suitability and availability for voluntary (unpaid) involvement. Learning experiences may include assisting in a classroom, working at a nonprofit organization, and

obtaining valuable knowledge at a local business. Students often share similar experiences as college interns. Students will also meet in the classroom roughly once a month to learn about valuable employment skills like interviewing and positive work traits. Each student will meet with their advisor once a week to discuss their weekly written report and make plans for future activities. Students interested in this course must speak with department faculty before enrollment. Students must have successful placement in an internship before the start of the semester. Students can take Career Internship for one semester or the entire school year.

COLLEGE PERSONAL FINANCE

7510

Credit: ½ **Level:** 12

REQUIRED COURSE: This course, Honors Economics and College Finance, Economics, or AP Economics required for graduation

APPROXIMATE FEES: None if not taken for college credit; approximately \$300 for 3 college credits (roughly a \$700 discount).

COURSE DESCRIPTION: This course prepares students to become wise consumers. Units taught include Goal Setting, Careers, Taxes, Budgeting, and Financial Records, Checking Accounts and Bank Services, Saving and Investing, Credit, and Insurance. College Personal Finance also fulfills the District's Financial Literacy Requirement.

NOTE: Students in all grades with a 2.75 cumulative GPA have the option to earn three college credits through the UW-Oshkosh CAPP program (Business 231: Personal Finance)

HONORS ECONOMICS AND COLLEGE FINANCE

4401

Credit: 1 **Level:** 12

REQUIRED COURSE: This course, College Personal Finance, Economics, or AP Economics required for graduation

APPROXIMATE FEES: none if not taken for college credit; approximately \$300 for three (3) college credits (roughly a \$700 discount).

COURSE DESCRIPTION: This course combines the semester-long Economics and semester-long College Personal Finance courses into one year-long Honors Economics and College Finance. The Economics Semester introduces students to a key discipline of the social sciences, the study of how individuals, firms, and societies allocate their scarce resources. Students will develop a critical understanding of the economic way of thinking and an appreciation of the economic forces that shape human behavior and the global economy. Economics employs mathematics, statistics, and primary source data to examine important issues and understand how people make choices. Its dual micro and macro foci serve as a primer for college-level economics. The Personal Finance Semester is designed to help students understand the impact of individual choices on occupational goals and future earnings potential. Personal Finance students will experience real scenarios and use strategies covered in the course to help them make sound financial decisions. Students will design personal and household budgets and demonstrate an understanding of finance, debt, and credit for making informed personal financial decisions. College Personal Finance is aligned with UW-Oshkosh's CAPP program and provides the opportunity for academically able students to earn college and high school credits concurrently.

NOTE: Students in all grades with a 2.75 cumulative GPA can earn three college credits through the UW-Oshkosh CAPP program (Business 231: Personal Finance). This two-semester course satisfies the ½ credit Personal Finance Graduation Requirement.

LEADERSHIP

7520

Credit: ½ **Levels:** 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: None

COURSE DESCRIPTION: Leadership balances working on school and community projects with classroom activities that develop and improve leadership skills. The students will study the following topics: Trust, Team Building, Communication, Problem Solving, Decision Making, Goal Setting, Leadership Styles, Ethics, and Community Service. Group work challenges students to go beyond their perceived boundaries and to experience success on an individual and group basis. A leadership skill certificate is offered upon successful completion of the certificate requirements.

COMPUTER SCIENCE

Grade 9	Grade 10	Grade 11	Grade 12
Intro to Block-Base Programming Gr. 9-12. .5 credit			
Intro to Text-Base Programming Gr. 9-12. .5 credit			
AP Computer Science Principles Gr. 9-12. 1 credit			
Physical Computing Gr. 9-12. .5 credit			
Game Design Gr. 9-12. .5 credit			
	App Development Gr.10-12. .5 credit		
	AP Computer Science A Gr. 10-12. 1 credit		
		Cyber Security Gr. 11-12. .5 credit	

Key
Prerequisites
No Prerequisites

INTRO TO BLOCK-BASE PROGRAMMING 2610

Credit: ½ Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: None

COURSE DESCRIPTION: This course provides an introduction to programming using block-based coding languages. Students will use Code.org’s Game Lab and App Lab, online programming environments, where code is clicked and dragged to create animations and games. This course is designed to provide students with an engaging, supportive first course in programming. 3D models and design will also be studied.

INTRO TO TEXT-BASE PROGRAMMING**2620****Credit:** ½ **Levels:** 9, 10, 11 & 12**PREREQUISITE:** Intro to Block-Based Programming(2610) or teacher consent, Algebra I or concurrent enrollment (2110)**APPROXIMATE FEES:** None

COURSE DESCRIPTION: This course provides an introduction to programming using a text-based language. Students learn Java and begin using an object-oriented approach. Topics include basic programming, control structures, one- and two-dimensional arrays, and other topics. For the last ¼ of the class, students will apply their Java skills in the Processing development environment to create an animation or game for a final project. While this is an introductory course, it is recommended that students have some basic experience with computer programming if they decide to bypass Computer Concepts I and begin with Concepts II. Contact the instructor for further information.

APP DEVELOPMENT **2621****Credit:** ½ **Levels:** 10, 11 & 12**PREREQUISITE:** Intro to Text-Based Programming(2620) or AP Computer Science Principles (8580)**APPROXIMATE FEES:** None

COURSE DESCRIPTION: Students will work with Java and XML to create Android apps in Android Studio. In this development environment, students will control the app's content, layout, and interactivity. In this course, students will spend approximately the first half of the course learning relevant skills and the second half developing a project of their choosing.

PHYSICAL COMPUTING **2622****Credit:** ½ **Levels:** 9, 10, 11 & 12**PREREQUISITE:** Intro to Text-Based Programming(2620) or AP Computer Science Principles (8580)**APPROXIMATE FEES:** None

COURSE DESCRIPTION: Students will write Python code to control and interact with robots, wearable devices, and Internet of Things sensors. Three units will introduce students to coding in Python and to physical devices. After exposure to these units, students will develop their own project and spend 6 – 8 weeks developing it in depth. This will be the first course offered in Computer Science that offers the physical element of coding.

GAME DESIGN **2623**

Credit: ½ Levels: 9, 10, 11 & 12

PREREQUISITE: Intro to Text-Based Programming(2620) or AP Computer Science Principles (8580)

APPROXIMATE FEES: None

COURSE DESCRIPTION: Students will use Unity to learn the fundamentals of Game Design. During the first half of the course, students will learn to design and place objects in a virtual world. They will then learn how to make the objects dynamic and allow users to interact with their world. Once students have acquired these basic skills, the second half of the course will be devoted to each student creating their own game. Students will present their games at the end of the course.

AP COMPUTER SCIENCE A **2630**

Credit: 1 (Weighted grade) Levels: 10, 11 & 12

PREREQUISITE: Intro to Text-Based Programming (2620) or AP Computer Science Principles (8580).

APPROXIMATE FEES: Approximately \$97 for the AP Computer Science A Examination (optional, but recommended)

COURSE DESCRIPTION: Students in AP Computer Science A study the Java language. This course content is similar to the content covered in a first-semester university programming course. Students should expect to spend four to five hours each week outside of class working in the computer lab. Interested students may take the Advanced Placement Computer Science A Examination; performance on the test determines possible college credit.

AP COMPUTER SCIENCE PRINCIPLES **8580**

Credit: 1 (Weighted grade) Levels: 9, 10, 11 & 12

PREREQUISITE: Successful Completion of Algebra 1; must meet college eligibility requirements to take for college credit.

APPROXIMATE FEES: Approximately \$97 for the AP Exam (Optional, but recommended.)

COURSE DESCRIPTION: AP Computer Science Principles is designed to introduce students to the central ideas of computer science, to instill ideas and practices of computational thinking, and to have students engage in activities that show how computing changes to the world. Students will engage in projects using computers and data to model and solve problems. They will learn a basic programming language and use this language to create. Students will learn about the architecture and security features of the internet. The content of the course covers a broad range of computer science topics with an emphasis on creativity, communication, and collaboration.

CYBERSECURITY **8590**

Credit: ½ Levels: 11 & 12

PREREQUISITE: Intro to Text-Based Programming(2620) or AP Computer Science Principles (8580)

APPROXIMATE FEES: \$30

COURSE DESCRIPTION: Cybersecurity introduces the tools and concepts of cybersecurity and encourages students to create solutions that allow people to share computing resources while protecting privacy. Nationally, computational resources are vulnerable and frequently attacked; in Cybersecurity, students solve problems by understanding and closing these vulnerabilities. This course raises students' knowledge of and commitment to ethical computing behavior. As part of this course, students will compete in competitions as they become available.



ENGLISH

Grade 9	Grade 10	Grade 11	Grade 12
Comp/Lit 9 Gr 9. 1 credit			
Honors Comp/Lit Gr. 9. 1 credit			
College Introduction to Public Speaking Gr. 9-12. .5 credit # (if taken in 12th grade, counts as a 12th grade required course)			
Intro to Theatre Gr. 9-12. .5 credit			
College Journalism Gr. 9-12. .5 credit # (if taken in 12th grade, counts as a 12th grade required course)			
Acting Gr. 9-12. .5 credit			
College Reading Gr. 9-12. .5 credit #			
	Comp/Lit 10 Gr. 10. 1 credit	Comp/Am. Lit 11 Gr 11. 1 credit	AP Literature & Comp Gr 12. 1 credit
	Honors Comp/Lit Gr. 10. 1 credit	AP Eng. Lang & Comp Gr 11. 1 credit	AP Research Gr 12. 1 credit
		AP Seminar Gr 11. 1 credit	Adv. & Survival Non. Gr 12. .5 credit
		AP Eng. Lang & Comp Gr 11. 1 credit	British Literature Gr 12. .5 credit
		AP Seminar Gr 11. 1 credit	Creative Writing Gr. 12. .5 credit
			Mystery & Suspense Gr. 12. .5 credit
			Myth., Fntasy & Dystp Gr. 12. .5 credit
			Film as Literature Gr. 12. .5 credit

Key
Prerequisites
No Prerequisites
= College credit available

COMPOSITION/LITERATURE 9 1110

Credit: 1 Level: 9

REQUIRED COURSE: Composition/Literature 9 (1110), or Honors Composition/Literature 9 (1130)

PREREQUISITE: None

APPROXIMATE FEES: \$27.50 for *Word Within the Word* vocabulary book (also used in grade 10)

COURSE DESCRIPTION: Composition/Literature 9 focuses on reading nonfiction and literary texts, writing for a variety of purposes, using language effectively, and speaking and listening. After a review of sentence and paragraph structure, students will progress to more advanced sentence structure and essay writing. Students will also work on research skills. Literary and writing techniques are analyzed by studying nonfiction works, short stories, poetry, drama, essays, and novels. An etymological study of stems and roots comprises a major part of vocabulary study.

HONORS COMPOSITION/LITERATURE 9 1130

Credit: 1 Level: 9

REQUIRED COURSE: Composition/Literature 9 (1110), or Honors Composition/Literature 9 (1130)

PREREQUISITE: None

APPROXIMATE FEES: \$27.50 for *Word Within the Word* vocabulary book (also used in grade 10)

COURSE DESCRIPTION: Honors Composition/Literature 9 integrates the strands of reading/literature, writing/language, and speaking/listening at a more accelerated pace and with greater depth than Composition/Literature 9 (1110). After a review of sentence and paragraph structure, students progress to more advanced sentence, paragraph, and essay writing. Literary techniques are analyzed by studying short stories, poetry, drama, essays, and novels. This course includes literary terminology and analysis; basics of the sentence, paragraph, and essay; the writing process; vocabulary development, including an etymological study of stems and roots; grammar and usage; public speaking; and research. The study of stems occurs at a more accelerated rate than that of Composition/Literature 9. Students taking this course will be prepared for Honors Composition/Literature 10.

COMPOSITION/LITERATURE 10 1220

Credit: 1 Level: 10

REQUIRED COURSE: Composition/Literature 10 (1220) or Honors Composition/Literature 10 (1230)

PREREQUISITE: None

APPROXIMATE FEES: Same vocabulary book from grade 9 or \$27.50 for replacement book

COURSE DESCRIPTION: Composition/Literature 10 focuses on reading, understanding, and analyzing short stories, drama, novels, poetry, and nonfiction. This variety of texts is the basis for integrating reading, writing, research, speaking, and listening skills. Students will utilize the writing process to produce multi-paragraph essays, including the following: expository, persuasive, research-based informative, personal narrative, and literary analysis. The study of grammar, usage and punctuation is taught through ACT prep activities and the writing application. Students continue their study and application of stem words. The primary oral presentation is a persuasive speech.

HONORS COMPOSITION/LITERATURE 10 1230

Credit: 1 Level: 10

REQUIRED COURSE: Composition/Literature 10 (1220) or Honors Composition/Literature 10 (1230)

PREREQUISITE: Honors Composition/Literature 9 or teacher recommendation

APPROXIMATE FEES: Same vocabulary book from grade 9 or \$27.50 for replacement book

COURSE DESCRIPTION: Composition/Literature 10 integrates the strands of reading, writing, language, speaking and listening at a more accelerated pace than Composition/Literature 10. Continued study of grammar, usage, and punctuation, often through practice ACT prep activities, will help students improve their writing. Selections from classic and modern authors provide a thematic approach to the interpretation and analysis of the literature. Literary techniques are analyzed by studying nonfiction selections, novels, and drama. Key writing projects include a research paper and a cited literary analysis. The course continues in the study and application of vocabulary roots/stems. The primary oral presentation is an informative speech. This course is an appropriate placement for self-disciplined, diligent students with excellent study skills. Those who have successfully met the challenge of in-depth style and stem analysis, literary study, and the writing process will find themselves prepared for AP English Language and Composition.

COMPOSITION/AMERICAN LITERATURE 11 1320

Credit: 1 Level: 11

REQUIRED COURSE: Composition/American Literature 11 (1320), AP English Language and Composition (1340), or AP Seminar (1590)

PREREQUISITE: None

APPROXIMATE FEES: \$15 for vocabulary online license

COURSE DESCRIPTION: This class combines a focus on improving writing, speaking, and listening skills with the study of America's literature from colonial times into the twentieth century. Emphasis will be on the fundamental elements of writing. The study of grammar, usage, and punctuation is addressed through ACT practice and on an as-needed basis. Research skills will be addressed in papers throughout the year. Students will also make oral presentations. Literature study emphasizes analysis of selected poems, short stories, essays, plays, and novels from American literature, structured thematically.

AP ENGLISH LANGUAGE AND COMPOSITION 1340

Credit: 1 (Weighted grade) Level: 11

REQUIRED COURSE: Honors Composition/American Literature 11 (1320), AP English Language and Composition (1340), or AP Seminar (1590)

PREREQUISITE: Composition/Literature 10 (1230) or teacher recommendation.

APPROXIMATE FEES: \$15 for vocabulary online license; \$97 for the AP English Language and Composition examination. Summer reading novels can be new or used.

COURSE DESCRIPTION: AP English Language and Composition is a college-level course for students who have a passion for language, excellent writing skills, and a desire to improve critical thinking skills through the analysis of mature prose. This course focuses on expository, narrative, and persuasive writing techniques writers use to convey a message effectively, efficiently, and stylistically. Models (primarily nonfiction) and strategies are studied to improve writing style, critical reading, and writing. This course requires summer reading. Students should plan to take

the Advanced Placement English Language and Composition examination in May. Performance on the Advanced Placement English Language and Composition examination determines possible college credit.

AP SEMINAR 1590

Credit: 1 (Weighted grade) Level: 11

REQUIRED COURSE: Composition/American Literature 11 (1320), AP English Language and Composition (1340), or AP Seminar (1590)

PREREQUISITE: Students will have taken, or be concurrently enrolled in, another AP Course.

APPROXIMATE FEES: \$15 for vocabulary online license; \$145 for the AP examination

NOTE: This is a prerequisite for AP Research. Students who wish to take AP Research as a senior need to take AP Seminar as a junior.

COURSE DESCRIPTION: In this foundational course, students develop and strengthen analytic and inquiry skills, exploring relevant issues chosen by the student and/or teacher. Students learn to consider an issue from multiple perspectives, evaluate the strength of an argument, and make logical, fact-based decisions. Students will question, research, explore, pose solutions, develop arguments, collaborate, and communicate using various media. A part of a two-course AP Capstone Program, AP Seminar is designed to complement and enhance the in-depth, discipline-specific study provided through AP courses already being offered. AP Seminar provides a project-based experience that cultivates curious, independent, and collaborative scholars and prepares them to make logical, evidence-based decisions.

***AP ENGLISH LITERATURE AND COMPOSITION 1440**

Credit: 1 (Weighted grade) Level: 12

REQUIRED COURSE: AP English Literature and Composition (1440), AP Research (1595), or two ½ credit English courses available for required grade 12 credit.

PREREQUISITE: AP English Language and Composition (1340) or written approval from Composition/American Literature 11 (1320) teacher

APPROXIMATE FEES: \$97 for the AP English Literature and Composition examination is collected in the spring

COURSE DESCRIPTION: This is a challenging college-level English course for the student who has a special ability and interest in reading, analyzing, discussing, and writing about literature with increased depth and insight. Course selections include poetry, short stories, drama, and novels of literary merit by noted British, American, and world writers. Emphasis is on critical reading, writing, and thinking. Through in-depth literary analysis and discussion, the student will learn how various critical theories, genres, literary movements, artistic styles, language, and themes affect meaning. Students should plan to take the Advanced Placement English Literature and Composition examination in May. Performance on the Advanced Placement English Literature and Composition examination determines possible college credit.

***BRITISH LITERATURE 1422**

Credit: ½ Level: 12

REQUIRED COURSE: AP English Literature and Composition (1440), AP Research (1595), or two ½ credit English courses available for required grade 12 credit.

PREREQUISITE: None

APPROXIMATE FEES: None

NOTE: Students in all grades with a 2.75 cumulative GPA have the option to earn three college credits through the UW-Oshkosh CAPP program (Journalism 221: Writing for the Media) at a cost of approximately \$300.

COURSE DESCRIPTION: This course provides students with a foundation in writing for the media. Students will study several topics related to journalism, including the evaluation of news; the style and structure of news stories, features, and opinion pieces; interviewing, research, and presentation skills; ethical considerations; and legal issues. Students who enroll in this course benefit from refining their writing skills in forms and styles appropriate for the audiences and purposes they serve. They will also receive instruction and opportunities to practice speaking and listening skills when interviewing, reading skills while researching background information for a story, research skills while preparing to interview or write, and technology skills while putting the final product in a published format. Students will also have the opportunity to write for the *Common Sense* school newspaper, an extracurricular activity. Students interested in pursuing a leadership role on the newspaper staff should take this class as freshmen or sophomores.

***MYTHOLOGY, FANTASY, AND DYSTOPIA** 1515

Credit: ½ Level: 12

REQUIRED COURSE: AP English Literature and Composition (1440), AP Research (1595), or two ½ credit English courses available for required grade 12 credit.

PREREQUISITE: None

APPROXIMATE FEES: None

COURSE DESCRIPTION: Students in this class will begin by exploring the mythology of various cultures, including Greek/Roman, African, Native American, Eastern, etc. Students will explore the role of mythology in popular culture, and observe how myth functions in our lives today. The study of mythology will naturally segue into an exploration of mythology's evolution into the Speculative Fiction genre that includes Fantasy, Science Fiction, and Dystopian works. In their exploration, students will see the literature as a reflection of the society around them and will be able to develop reading and analytical skills through the close reading of the texts and discussion of how literature shapes and is shaped by history.

***CREATIVE WRITING** 1520

Credit: ½ Level: 12

REQUIRED COURSE: AP English Literature and Composition (1440), AP Research (1595), or two ½ credit English courses available for required grade 12 credit.

PREREQUISITE: None

APPROXIMATE FEES: None

COURSE DESCRIPTION: Students will learn to use language more effectively and learn how word choice and manipulation of language can effectively communicate ideas to an audience. Students should have a working knowledge of the conventions of language to fully appreciate the effects of employing or modifying those conventions. Students will learn how authors use language to create meaning in writing and can effectively apply that understanding to their own written communication. Students will study the work of published authors to model the techniques used by recognized experts in their respective genres. Students will engage in the creative writing process across various genres: short stories, poetry, creative nonfiction, and drama. The class will employ writing workshops to allow students to receive and provide feedback on their work.

ADVENTURE AND SURVIVAL NONFICTION*1525****Credit: ½****Level: 12****REQUIRED COURSE:** AP English Literature and Composition (1440), AP Research (1595), or two ½ credit English courses available for required grade 12 credit.**PREREQUISITE:** None**APPROXIMATE FEES:** None

COURSE DESCRIPTION: The course Adventure and Survival will investigate the physical, psychological, social, and spiritual aspects of what it means to “survive” as a human being, using non-fiction texts and documentaries as the vehicle for this exploration. In addition, we will study contemporary and classic adventure tales, considering the nature of human endurance and what drives individuals to take incredible risks. Thus, course texts may range from excerpts from the autobiographies of Antarctic explorers to a documentary about extreme climbers to a memoir describing life with chronic illness. The main course text is a biographical account of a man lost at sea for over a year. Writing assignments may involve personal narrative, synthesis, and/or argument pieces that engage with the course’s essential questions. Finally, for seniors who are about to embark on their adventures, this course will offer students opportunities to consider how their resilience and mindset can help them manage risk and overcome adversity in the future.

COLLEGE INTRODUCTION TO PUBLIC SPEAKING*1530****Credit: ½****Levels: 9, 10, 11 & 12****PREREQUISITE:** None**REQUIRED COURSE:** AP English Literature and Composition (1440), AP Research (1595), or two ½ credit English courses available for required grade 12 credit.**APPROXIMATE FEES:** None, if not taken for college credit; approximately \$300 for three (3) college credits (see below).

NOTE: Students in all grades with a 2.75 cumulative GPA have the option to earn three college credits through the UW-Oshkosh CAPP program (Comm 111: Introduction to Public Speaking) at a cost of approximately \$300. This is a convenient and affordable way for students to earn concurrent high school and college credit that will transfer to any college/university after high school.

COURSE DESCRIPTION: College Introduction to Public Speaking helps students refine the skills necessary to successfully construct and communicate ideas and positions. Upon successfully completing this course, students can write and deliver a presentation that is organized, audience-centered, researched, and logical.

AP RESEARCH*1595****Credit: 1 (Weighted grade)****Level: 12****REQUIRED COURSE:** AP English Literature and Composition (1440), AP Research (1595), or two ½ credit English courses available for required grade 12 credit.**PREREQUISITE:** AP Seminar**APPROXIMATE FEES:** \$142 for the AP examination is collected in the spring

COURSE DESCRIPTION: This second course in the AP Capstone experience allows students to design, plan, and conduct a year-long research-based investigation on a topic of individual interest. Through this inquiry and investigation, students can apply scholarly understanding to real-world problems and issues. Students further the skills developed in AP Seminar by understanding research methodology, employing ethical research practices, and accessing, analyzing, and

synthesizing information to build, present, and defend an argument. Students may choose to dig deeper into a topic studied in an AP course, work across academic areas with an interdisciplinary topic, or study a new area of interest, perhaps one for further study at the college level.

THE FOLLOWING ELECTIVE COURSES DO NOT SATISFY THE REQUIRED GRADE 12 ENGLISH CREDIT:

INTRODUCTION TO THEATRE 1550

Credit: ½ Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: None

NOTE: This is an elective course; it does not satisfy the four-credit English requirement.

COURSE DESCRIPTION: Students enrolled in Introduction to Theatre will spend the semester exploring many aspects of theatrical production. This survey course emphasizes acting techniques, including character development, scene study, pantomime, and improvisation. Technical production study includes an introduction to set design and construction, light and sound design, costuming, and makeup. Theatre literature and history will also be studied. Students will gain a working knowledge of theatre vocabulary and learn how to be disciplined performers and informed audience members.

ACTING 1570

Credit: ½ Levels: 9, 10, 11 & 12

PREREQUISITE: Introduction to Theatre (1550)

APPROXIMATE FEES: None

NOTE: This is an elective course; it does not satisfy any part of the four-credit English requirement.

COURSE DESCRIPTION: In this intermediate course, students will study more advanced acting techniques. Different methods of acting and script analysis will be explored, as well as vocal and dialect training, movement, advanced scene study, and audition preparation. Students will perform in improvisational scenes, monologues, duets, and longer works. Students enrolling in this class will be expected to demonstrate discipline, teamwork, and personal maturity appropriate to this level of learning.

COLLEGE READING 1600

Credit: ¼ Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: None

NOTE: This is an elective course; it does not satisfy any part of the four-credit English requirement.

COURSE DESCRIPTION: Success in college is largely determined by how well students read, process, and remember information. This course provides instruction to improve skills essential to the meaningful study of academic texts. The course is a blended course that allows students to work at their own pace throughout the semester by utilizing Canvas and weekly meetings with the adjunct instructor. Students can earn one college credit and a college transcript grade through the UW-Oshkosh CAPP program (ACAD-169) at a cost of \$100.

FAMILY & CONSUMER SCIENCE

Grade 9	Grade 10	Grade 11	Grade 12
Interior Design Gr. 9-12. .5 credit			
Fashion Sewing Gr. 9-12. .5 credit			
Advanced Fashion Sewing Gr. 9-12. .5 credit			
Health Careers Exploration Gr. 9-12 .5 credit			
College Biomedical Science-PLTW Gr. 9-12. 1 credit #			
Beginning Foods Gr. 9-11. .5 credit			
	Pro Start 1 (Culinary Arts 1) Gr. 10-12. 1 credit		
	Advanced Foods Gr. 10-12. .5 credit		
	International Foods Gr.10-12. .5 credit		
	Child Development I Gr. 10-12. .5 credit		
	Child Development II Gr. 10-12. .5 credit		

Key
Prerequisites
No Prerequisites

FASHION SEWING 7710

Credit: ½ Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: \$10.00; plus student's selection of sewing supplies (fabric, elastic, thread).

COURSE DESCRIPTION: Fashion Sewing is designed for students interested in clothing construction. This course teaches students how to understand construction principles, read patterns, and properly use sewing machines and equipment to create their own accessories and projects. Current fashion trends will be reviewed. No previous sewing experience is necessary.

ADVANCED FASHION SEWING 7720

COURSE DESCRIPTION: Culinary Arts is a two-year program that is designed for students who are serious about pursuing a career in any aspect of the food service industry or for students who are highly interested in advanced education in Culinary Arts.

Students who complete Level 1 and Level 2 classes (full-year), pass their Level 1 and 2 National exams, and accumulate 400 hours of industry experience throughout their high school career will earn their National Certificate of Achievement from the National Restaurant Association. Their certification can provide students with articulated college credit or advanced standing opportunities at more than thirty colleges and universities across the USA.

INTERIOR DESIGN 7820

Credit: ½ Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: Supplies; field trip costs

COURSE DESCRIPTION: This course introduces students to the world of Interior Design. Students will learn about the elements and principles of design, the role of color, recognizing furniture styles, and selecting furniture. Using this information, students develop design plans and complete and present their unique designs through visual presentations such as presentation boards, samples, and scale drawings. Elements of style, color scheme, space plan, backgrounds, and furniture are considered. This is a project-based classroom that uses a variety of activities that foster learning.

CHILD DEVELOPMENT I 7910

Credit: ½ Levels: 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: None

COURSE DESCRIPTION: This course provides students with an understanding of the physical, social, emotional, and cognitive development of children from birth through preschool age. Additional areas of study include shaken baby syndrome, birth defects, positive guidance techniques, SIDS, and the family. A lab experience in the form of a preschool at CHS is the culminating activity, providing the opportunity to plan, observe, and work with young children.

CHILD DEVELOPMENT II 7920

Credit: ½ Levels: 10, 11 & 12

PREREQUISITE: Child Development I (7910)

APPROXIMATE FEES: None

COURSE DESCRIPTION: This course provides entry-level knowledge and skills for individuals as they begin to or intend to care for children in group or family child care settings. Learners explore rules and regulations governing group and family care and the responsibilities of childcare providers.

HEALTH CAREERS EXPLORATION 7960

Credit: ½ Levels: 9, 10, 11 & 12

PREREQUISITE: None
APPROXIMATE FEES: None
PATHWAY COURSE: [Nursing](#)

COURSE DESCRIPTION: This course will provide an orientation to the healthcare field. Areas of study include the history and trends of the healthcare field, legal and ethical responsibilities, healthcare systems, careers in healthcare, personal and professional qualities of a healthcare worker, geriatric care, computer technology in healthcare, safety precautions, infection control, medical terminology, and employability skills. A blend of guest speakers, field trips, and job shadow experiences will provide a well-rounded view of the healthcare field.

COLLEGE BIOMEDICAL SCIENCE-PLTW 8561A/B

Credit: 1 **Levels:** 9, 10, 11 & 12

RECOMMENDED: Health Careers Exploration recommended but not required.

PREREQUISITE: None; must meet college eligibility requirements to take college credit.

APPROXIMATE FEES: \$35

PATHWAY COURSE: [Nursing](#)

NOTE: MSOE course BI-1001 Principles of Biomedical Science. Participation in the PLTW program (MSOE) is an individual option and requires a fee for the tuition payable to the university. Participants who successfully complete the course receive three (3) college credits and high school credit.

Course Description: In the introductory course in the College Biomedical Science-PLTW program, students explore concepts of biology and medicine to determine the factors that lead to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems.

MATHEMATICS

Grade 9	Grade 10	Grade 11	Grade 12
Honors Algebra Gr. 9. 1 credit			
Honors Geometry Gr. 9-10. 1 credit			
Honors Algebra II with Trig Gr. 9-10. 1 credit			
Algebra 1 Gr. 9-12. 1 credit			
Accelerated Algebra I Gr. 9-12. 1 credit			
Algebra II Gr. 9-12. 1 credit			
Accelerated Algebra II Gr. 9-12. 1 credit			
Geometry Gr. 9-12. 1 credit			
Accelerated Geometry Gr. 9-12. 1 credit			
Global Mathematics Gr. 9-12. .5 credit			
	Probability & Statistics Gr. 10-12. .5 credit		
	Trigonometry Gr. 10-12. .5 credit		
	AP Statistics Gr. 10-12. 1 credit		
	Introduction to Calculus Gr. 10-12. 1 credit		
		College Trigonometry/Pre-Calculus Gr. 11-12. 1 credit #	
		Pre-Calculus Gr. 11-12. .5 credit	
		AP Calculus AB Gr. 11-12. 1 credit	
		AP Calculus BC Gr. 11-12. 1 credit	
		College Calculus III Gr. 11-12. 1 credit #	
			Prncpls of College Algebra Gr. 12. .5 credit

Key
Prerequisites
No Prerequisites
= College credit available

ALGEBRA SUPPORT 2135

Credit: 1 Level: 9

PREREQUISITE: Teacher Recommendation

APPROXIMATE FEES: None

NOTES: The credit for Algebra Support counts as an elective credit, not a math credit. (The credit for the regular Algebra course does count as a math credit)

COURSE DESCRIPTION: Algebra Support is an intensive course that supports a student concurrently enrolled in Algebra. Students work on algebra prerequisites while exploring algebra concepts in more depth than a single Algebra class allows.

ALGEBRA I 2105

Credit: 1 Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: None

COURSE DESCRIPTION: Algebra 1 is a basic course that provides the principal concepts necessary for all mathematics courses beyond the arithmetic level. Equation-solving techniques vital to all future mathematics and sciences are developed. Algebra 1 includes the following topics: meanings and uses of formulas, linear equations and inequalities and their graphs in one and two variables, quadratic equations and their graphs, exponential and other functions, probability, and statistics, and logic and proof. This course is aimed at students who have struggled in prior math courses and will focus on essential algebra concepts.

ACCELERATED ALGEBRA I 2110

Credit: 1 Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: None

COURSE DESCRIPTION: Accelerated Algebra I is a course that provides the principal concepts necessary for all mathematics courses beyond the arithmetic level. Equation-solving techniques that are vital in studying future mathematics and sciences are developed. Accelerated Algebra I includes the following topics: meanings and uses of formulas, linear equations and inequalities and their graphs in one and two variables, quadratic equations and their graphs, exponential and other functions, probability and statistics, logic and proof. This course will emphasize more applications and go into greater depth than the Algebra I course.

HONORS ALGEBRA I 2139

Credit: 1 Level: 9

PREREQUISITE: Teacher Recommendation

APPROXIMATE FEES: Scientific calculator required.

COURSE DESCRIPTION: Honors Algebra I is a challenging course that covers the principle concepts necessary for all mathematics courses offered at Cedarburg High School. It is assumed that students enrolling in Honors Algebra I have an excellent foundation in prior skills and understanding, as well as a strong motivation to study higher-level mathematics. Equation-solving techniques vital to all future mathematics and sciences are developed. Honors Algebra I includes the meanings and uses of formulas, linear equations in one and two unknowns, graphing linear relations in the rectangular coordinate system, and quadratic equations.

GEOMETRY 2210

Credit: 1 Levels: 9, 10, 11 & 12

PREREQUISITE: Algebra 1 (2110) or teacher recommendation

APPROXIMATE FEES: None

RECOMMENDED: For students entering a university, technical/vocational school, the military, or the job market immediately after high school

COURSE DESCRIPTION: Geometry is the study of a mathematical system involving points, lines, and planes. Emphasis is on the development of logic, reasoning, and proof. This course is aimed at students who have struggled in prior math courses and will focus on the basic concepts.

ACCELERATED GEOMETRY 2220

Credit: 1 Levels: 9, 10, 11 & 12

PREREQUISITE: Successful completion of Algebra 1 (2110)

APPROXIMATE FEES: Scientific calculator required.

RECOMMENDED: For students considering entering a four-year college immediately after high school

COURSE DESCRIPTION: This course studies Euclidean Geometry from a deductive approach. The concepts of congruence, similarity, and parallel and perpendicular lines are studied using proof, definitions, postulates, theorems, and coordinate geometry. Strong algebraic skills are required to solve the variety of two and three-dimensional topics covered in the course. A scientific calculator is required.

HONORS GEOMETRY 2140

Credit: 1 Levels: 9 & 10

PREREQUISITE: Successful completion of Algebra 1 in 7th or 8th-grade year, Honors Algebra I in 9th grade with a grade of B or higher, or teacher recommendation

APPROXIMATE FEES: Scientific calculator required.

RECOMMENDED: For students with a serious interest in mathematics, science or engineering. Students need to show a willingness to work hard and be ready to accept a challenge.

COURSE DESCRIPTION: Honors Geometry studies a mathematical system involving points, lines, and planes. Emphasis is on the development of logic, reasoning, and proof.

ALGEBRA II 2330

Credit: 1 Levels: 9, 10, 11 & 12

PREREQUISITE: Algebra I (2110); teacher recommendation

APPROXIMATE FEES: Scientific Calculator is required

RECOMMENDED: For students entering a university, technical/vocational school, the military, or the job market immediately after high school

COURSE DESCRIPTION: The study of functions and their graphs, including polynomial, rational, logarithmic, exponential, and circular functions provide the main strands of this course. Other topics include data analysis, complex numbers, and probability.

ACCELERATED ALGEBRA II 2340

Credit: 1 Levels: 9, 10, 11 & 12

PREREQUISITE: Algebra 1 (2110) and teacher recommendation

APPROXIMATE FEES: Scientific calculator required

RECOMMENDED: For students considering entering a four-year college immediately after high school

COURSE DESCRIPTION: Accelerated Algebra II is an extension of first-year algebra. The study of functions and their graphs, including polynomial, rational, logarithmic, exponential, and circular functions, provide the main strands of this course. Other topics include data analysis, complex numbers, and probability. There is a heavy focus on applications in this course.

HONORS ALGEBRA II WITH TRIG 2250

Credit: 1 Levels: 9, 10, or teacher recommendation

PREREQUISITE: Successful completion of Algebra 1 in 7th or 8th grade, Honors Geometry with a grade of B or higher, or teacher recommendation

APPROXIMATE FEES: TI-Nspire graphing calculator is required

RECOMMENDED: For advanced mathematics students who plan to enroll in AP Calculus. This course assumes students possess a firm grasp of all concepts covered in Algebra 1.

COURSE DESCRIPTION: Honors Algebra II with Trigonometry is an accelerated study of the topics included in Advanced Algebra (2340) and Trigonometry (2430). Mastery of algebra and geometry is vital for success in this course.

PRINCIPLES OF COLLEGE ALGEBRA 2410

Credit: $\frac{1}{2}$ Level: 12

PREREQUISITE: Geometry (2220) and Algebra II (2340)

APPROXIMATE FEES: Scientific calculator required.

RECOMMENDED: For students who need to strengthen and expand their algebra skills and intend to major in business, economics, and the social sciences

COURSE DESCRIPTION: Principles of College Algebra provides students an opportunity to strengthen and expand their intermediate algebra skills. The following topics are reviewed: fundamental algebraic manipulation; conic sections; polynomial, exponential, and logarithmic functions; systems of equations. Matrices and mathematical induction are introduced.

PROBABILITY & STATISTICS 2420

Credit: $\frac{1}{2}$ Levels: 10, 11 & 12

PREREQUISITE: Acc. Algebra II (2340) or Algebra II (2330)

APPROXIMATE FEES: Scientific calculator required.

RECOMMENDED: For students who plan to enter such fields as economics, business education, engineering, psychology, biology, and medicine

NOTE: This course may be taken concurrently with Accelerated Algebra II (2340).

COURSE DESCRIPTION: This course provides students with some basic concepts of elementary probability, data description, distributional considerations, and sampling theory.

COLLEGE TRIGONOMETRY/PRE-CALCULUS 2425

Credit: 1 Levels: 11 & 12

PREREQUISITE: Geometry (2220) and Acc. Algebra II (2340)

APPROXIMATE FEES: Scientific calculator required.

RECOMMENDED: For seniors who plan to study calculus in college

COURSE DESCRIPTION: This course combines one semester of Trigonometry and one semester of Pre-Calculus and would be eligible for five (5) college-level credits through the UW-Oshkosh CAPP program (Math 108 Pre-Calculus). Juniors and seniors have the option to take the course and earn five college credits through the UW-Oshkosh CAPP program at a cost of approximately \$500. CAPP registrations also require a GPA minimum and/or ACT score and require a score on the UW math placement test. Trigonometry includes the study of trigonometry, vectors, and complex numbers. These topics offer numerous mathematical applications and lay foundations for the further study of mathematics, particularly calculus. Students are provided with the elementary concepts and uses of this important branch of mathematics. Precalculus helps prepare students for college mathematics by providing a foundation for all pre-calculus topics. This includes rational, trigonometric, exponential, and logarithmic functions. Students will solve equations, graph, and apply these functions in various situations. The limit and derivative

concepts from calculus may also be introduced. The development of these topics requires significant review and application of algebra and geometry.

TRIGONOMETRY 2430

Credit: $\frac{1}{2}$ Levels: 10, 11 & 12

PREREQUISITE: Acc. Geometry (2220); Acc. Algebra II (2340)

APPROXIMATE FEES: Scientific calculator required.

COURSE DESCRIPTION: This course includes the study of trigonometry, vectors, and complex numbers. These topics offer numerous mathematical applications and lay foundations for the further study of mathematics, particularly calculus. Students learn to understand the elementary concepts and uses of this important branch of mathematics.

PRE-CALCULUS 2441

Credit: $\frac{1}{2}$ Levels: 11 & 12

PREREQUISITE: Acc. Geometry (2220) and Acc. Algebra II (2340)

APPROXIMATE FEES: Scientific calculator required.

RECOMMENDED: For seniors who plan to study calculus in college

NOTE: This course is designed to be taken in the second semester immediately following Trigonometry (2430).

COURSE DESCRIPTION: Mathematical Analysis helps prepare students for college mathematics by providing a foundation for all pre-calculus topics. This includes rational, trigonometric, exponential, and logarithmic functions. Students will solve equations, and graph and apply these functions in a variety of situations. The limit and derivative concepts from calculus may also be introduced. The development of these topics requires significant review and application of algebra and geometry.

INTRODUCTION TO CALCULUS 2525

Credit:1 Levels: 10, 11 & 12

PREREQUISITE: Successful completion of Geometry (2120 or 2220) and one of the following: Acc. Algebra II (2340) with a B or higher and concurrent enrollment in Trigonometry (2430) OR successful completion of Honors Algebra II w/ Trigonometry (2250) with a B or higher.

APPROXIMATE FEES: TI-Nspire graphing calculator required

RECOMMENDED: For students who desire a strong preparation for studying calculus in college.

COURSE DESCRIPTION: Introduction to Calculus helps prepare students for the study of college mathematics by providing a foundation for the concepts of limit, continuity, and derivatives. Topics include differentiation and integration of polynomial and trigonometric functions, related rates, maxima and minima, The Mean Value Theorem, areas, volumes, and selected topics. The development of these topics requires significant review and application of algebra and geometry.

AP STATISTICS **2510**

Credit: 1 (weighted grade) Levels: 10, 11 & 12

PREREQUISITE: Successful completion of Acc. Algebra II (2340) OR Honors Algebra II w/ Trigonometry (2250) with a grade of B or higher.

APPROXIMATE FEES: \$97 for the AP Statistics Examination (optional, but recommended).

TI-Nspire graphing calculator is required.

RECOMMENDED: For students who plan to enter such fields as social sciences, health sciences, and business.

COURSE DESCRIPTION: The purpose of the AP Statistics course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. The four main themes are: 1. Exploring Data: Observing patterns and departures from patterns, 2. Planning a Study: Deciding what and how to measure, 3. Anticipating Patterns: Producing models using probability theory and simulation, 4. Statistical Inference: Confirming models.

This course is equivalent to most introductory statistics courses at the university level. This course is appropriate for a broad range of students who have accelerated their study of high school mathematics, as well as for students who follow the Algebra-Geometry-Advanced Algebra sequence for their first three years of study. All students are encouraged to take the Advanced Placement Statistics examination. Performance on the test determines possible college credit.

AP CALCULUS AB **2535**

Credit: 1 (Weighted grade) Levels: 11 & 12

PREREQUISITE: Successful completion of Introduction to Calculus (2530) with a grade of B or higher.

APPROXIMATE FEES: Approximately \$97 for the AP Calculus Examination (optional, but recommended). TI-Nspire graphing calculator is required.

COURSE DESCRIPTION: Advanced Placement Calculus is a continuation of Introduction to Calculus. Topics will include limits, differentiation, integration, differential equations, and applications. The course will focus on multiple representations of the mathematical concepts-verbal, graphical, numerical, and analytical. Technology and the graphing calculator will be used daily. AP Calculus AB reflects the Advanced Placement curriculum. The AB level is equivalent to most one-semester introductory calculus courses at the university level. Interested students may take the Advanced Placement AB examination; performance on the test determines possible college credit.

AP CALCULUS BC **2540**

Credit: 1 (Weighted grade) Levels: 11 & 12

PREREQUISITE: Successful completion of Introduction to Calculus (2530) with a grade of B or higher.

APPROXIMATE FEES: Approximately \$97 for the AP Calculus Examination (optional, but recommended). TI-NSpire graphing calculator is required.

COURSE DESCRIPTION: Advanced Placement Calculus is an accelerated continuation of Intro. to Calculus. Topics include limits, differentiation, integration, transcendental functions, plane vectors, parametric equations, infinite series, and differential equations. The course will focus on multiple representations of the mathematical concepts--verbal, graphical, numerical, and analytical. Technology and the graphing calculator will be used daily. AP Calculus BC reflects the Advanced Placement Curriculum. The BC level is equivalent to most year-long introductory calculus courses at the university level. Interested students may take the Advanced Placement BC examination; performance on the test determines possible college credit. Because of the accelerated pace of this course, AP Calculus BC is most appropriate for students with an excellent understanding of previous mathematics coursework and a very strong work ethic.

COLLEGE CALCULUS III 2550

Credit: 1 (Weighted grade) **Levels:** 11 & 12

PREREQUISITE: AP Calculus BC and a grade of 3 or higher on the AP Calculus BC exam.

APPROXIMATE FEES: TI-NSpire or TI-83/84 graphing calculator is required.

COURSE DESCRIPTION: College Calculus III (UW-Oshkosh 273 MAT Calculus III) covers the following topics: vectors in three-dimensional space, vector functions, differential equations, partial derivatives, multiple integrals with applications, and vector calculus. Multiple representations of concepts will be emphasized - graphical, numerical, analytical, and descriptive. The topics will be covered with the same depth and rigor as expected in a third-semester college-level calculus course. Juniors and seniors have the option to take the course and earn four college credits through the UW-Oshkosh CAPP program at a cost of approximately \$400. CAPP registrations also require a GPA minimum and/or ACT score and a score of a 4 or 5 on the AP Calculus BC test.

GLOBAL MATHEMATICS 2705

Credit: ½ **Levels:** 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: \$12

NOTE: This course will not fulfill any of the 3 credits required for the math graduation requirement.

COURSE DESCRIPTION: Global Mathematics provides students an opportunity to learn some of the history of mathematics and current developments in mathematics. Students will make mathematical creations, collaborate with mathematicians and students worldwide, and review essential math standards. Fractals, foldable designing, robotics, 3D printing, equation drawings using technology, and knot theory are some of the topics that will be explored. This course counts towards the Global Scholars coursework.

MUSIC

Grade 9	Grade 10	Grade 11	Grade 12
Treble Choir Gr. 9-12. 1 credit			
Concert Choir Gr. 9-12. 1 credit			
Marching Band Gr. 9-12. No credit			
Concert Band Gr. 9-12. 1 credit			
Jazz Ensemble Gr. 9-12. 1 credit			
Music Cooperative Gr. 9-12. .5 credit			
	Music Theory Gr. 10. 1 credit		
	A Capella Choir Gr. 10-12. 1 credit		
	Symphonic Band Gr. 10-12. 1 credit		
		AP Music Theory Gr. 11-12. 1 credit	
		Bella Voce Gr. 11-12. 1 credit	

Key
Prerequisites
No Prerequisites

TREBLE CHOIR **6410**

Credit: 1 Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: None

COURSE DESCRIPTION: Treble Choir is for vocalists who sing in the treble range and who wish to participate in the enriching experience of ensemble singing. Music of all periods is studied, emphasizing the development of vocal technique and music literacy. Required evening concerts are scheduled three times a year. Quarterly music fundamentals are also required as a supplement to classroom rehearsals. Participation in the WSMA Solo/Ensemble Festival is strongly encouraged. Field trips are possible.

MUSIC COOPERATIVE 6650

Credit: 1/2 Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: None

COURSE DESCRIPTION: Music Cooperative provides CHS students an opportunity to explore a range of music topics in an informal performance setting. Students will respond to, and perform music through technology and/or multi-sensory means: singing, listening, word response, hand instrument use, and dances. Additional topics include, but are not limited to: history, composition, careers in music, and music in movies and musicals. This class would be cooperative in nature, offering personalized and multi-sensory instruction for students with differentiated learning styles while simultaneously allowing CHS student-leaders a venue for developing their leadership, mentoring, and collaboration skills.

CONCERT CHOIR 6420

Credit: 1 Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: None

COURSE DESCRIPTION: Concert Choir is for vocalists who wish to participate in the enriching experience of ensemble singing. Music of all periods is studied, emphasizing the joy of singing and music exploration. Required evening concerts are scheduled three times a year in addition to a graduation performance. Quarterly music fundamentals are also required as a supplement to rehearsals. Participation in the WSMA Solo/ Ensemble Festival is strongly encouraged. Field trips are possible.

BELLA VOCE 6431

Credit: 1 Levels: 11 & 12

PREREQUISITE: Audition

APPROXIMATE FEES: \$20 uniform fee; outfit must be professionally dry-cleaned at the end of the year; fundraising efforts are expected

NOTE: Evening performance commitments occur throughout the year. Attendance is required.

COURSE DESCRIPTION: Open to treble voices in 11th-12th grade with a serious interest in vocal development and exploration of challenging SSAA literature. Audition only. The ensemble will explore all aspects of treble literature, from Madrigal to Vocal Jazz. Some movement or dance may be incorporated.

A CAPPELLA CHOIR 6441

Credit: 1 Levels: 10, 11 & 12

PREREQUISITE: Audition

APPROXIMATE FEES: \$20 uniform fee; outfit must be professionally dry cleaned at the end of the year; fund-raising efforts are expected

NOTE: Evening performance commitments occur throughout the year. Attendance is required.

COURSE DESCRIPTION: Group will be open to 10th-12th grade. Mixed voice choir. SATB who demonstrate advanced sight reading skills and tonal memory. Admission by audition only. The ensemble will explore Madrigal and Renaissance era repertoire (to cover caroling expectations of

community and Solo Ensemble requirements) first semester as well as Gospel, contemporary classical literature, and Contemporary A cappella (pop music) second semester. Some movement/dance may be incorporated. Group will occasionally combine with Concert Choir to explore large compositions of the Masters.

MARCHING BAND **6500**

Credit: None Levels: 9, 10, 11 & 12

PREREQUISITE: Consent of teacher

APPROXIMATE FEES: \$162 for Band Camp, uniform, and travel expenses

NOTE: The student provides his/her own black socks.

COURSE DESCRIPTION: This course number is used to schedule Concert Band (6510) students and non-band Color Guard students who wish to participate in Marching Band. During the first quarter of Marching Band, students are provided a study hall during their Concert Band time as Marching Band students are scheduled to practice with Symphonic Band students when Symphonic Band meets. Upon completion of the Marching Band during the second quarter, students report to the study hall that meets in place of the Symphonic Band time.

CONCERT BAND **6510**

Credit: 1 Levels: 9, 10, 11 & 12

PREREQUISITE: Consent of teacher

APPROXIMATE FEES: TBD

NOTE: The student provides his/her own black socks.

COURSE DESCRIPTION: Concert Band is the standard instrumental music course offered. It requires no audition. Members may choose to march with the Symphonic Band. If accepted, the student must sign up for both Concert and Marching Bands. Students in Concert Band who register for Marching Band will still maintain their study hall if registered for one. The student's first quarter will be spent in marching practice with Symphonic Band and report to study hall for the remaining quarters. All students may elect to join Pep Band for basketball games and enter the WSMA Solo/Ensemble Festival. Concert Band has their own identity throughout the year at concerts and performs in the stands at football games. Attendance is required at all events in which the band participates as a unit.

SYMPHONIC BAND **6520**

Credit: 1 Levels: 10, 11 & 12

PREREQUISITE: Consent of teacher

APPROXIMATE FEES: \$162 for Band Camp, uniform, and travel expenses

NOTE: The student provides his/her own black socks.

COURSE DESCRIPTION: Symphonic Band is for advanced-ability students. Members perform several public concerts, participate in band festivals and clinics, produce a marching field show in the first quarter, and perform at football games, Memorial Day Services, and the 4th of July parade. Band members are eligible to participate in the WSMA Solo/Ensemble Festival. Attendance is required at all events in which the band participates as a unit. Overnight band trips may be planned on a semi-regular basis, but participation is optional.

JAZZ ENSEMBLE **6530**

Credit: 1 Levels: 9, 10, 11 & 12

PREREQUISITE: Audition and written consent of teacher

APPROXIMATE FEES: Cost of overnight trips; extra brass mutes

NOTE: Students must be members of Concert or Symphonic Band unless they play a non-band instrument such as guitar, bass guitar, or piano.

COURSE DESCRIPTION: Jazz ensemble performs in concerts and competitive events. The group explores improvisation and music in the jazz idiom. The roots and historical perspective of jazz are presented throughout the year.

MUSIC THEORY **6610**

Credit: 1 Level: 10

PREREQUISITE: Ability to read music, either clef; enrollment in a music performance class or written consent of teacher

APPROXIMATE FEES: 100 MB Zip disk; manuscript paper

NOTE: Class size is limited to 12 students

COURSE DESCRIPTION: Music Theory is a class for serious music students. The class explores the musical elements of melody, rhythm, harmony, and form. Musical compositions are analyzed; writing exercises are used to learn common tonal part-writing practices developed in the 18th Century. Aural skills are developed in order to recognize intervals and chord quality. Musical keyboarding skills are taught, enabling students to play basic accompaniments. Students utilize computer software for ear-training exercises and musical composition assignments.

AP MUSIC THEORY **6615**

Credit: 1 (Weighted grade) Levels: 11 & 12

PREREQUISITE: Ability to read music, either clef; enrollment in a music performance class or written consent of teacher

APPROXIMATE FEES: 100 MB Zip disk; manuscript paper; \$97 fee for the AP exam (optional, but recommended)

NOTE: Class size is limited to 12 students

COURSE DESCRIPTION: Music Theory is a class for serious music students. The class explores the musical elements of melody, rhythm, harmony, and form. Musical compositions are analyzed; writing exercises are used to learn common tonal part-writing practices developed in the 18th Century. Aural skills are developed in order to recognize intervals and chord quality. Musical keyboarding skills are taught enabling students to play basic accompaniments. Students utilize computer software for ear-training exercises and musical composition assignments.

PHYSICAL EDUCATION & HEALTH

Grade 9	Grade 10	Grade 11	Grade 12			
PE 9 Gr. 9. .5 credit						
Health Gr. 9. .5 credit						
Lifetime Wellness (A) Gr. 9-12. .5 credit						
Strength & Conditioning I (A) Gr. 10-12. .5 credit						
Strength & Conditioning II (A) Gr. 10-12. .5 credit						
	Lifeguard Training (A) Gr. 10-12. .5 credit					
	Intro to Yoga (A) Gr. 10-12. .5 credit					
	Individual Sports (B) Gr. 10-12. .5 credit					
	Team Sports (B) Gr. 10-12. .5 credit					
	Net Games (B) Gr. 10-12. .5 credit					
	Outdoor Education (B) Gr. 10-12. .5 credit					
<table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="background-color: #e0e0e0;">Key</td> </tr> <tr> <td style="background-color: #4f81bd; color: white;">Prerequisites</td> </tr> <tr> <td style="background-color: #f4a460;">No Prerequisites</td> </tr> </table>				Key	Prerequisites	No Prerequisites
Key						
Prerequisites						
No Prerequisites						

HEALTH

9010

Credit: ½ Level: 9

REQUIRED COURSE: Yes

PREREQUISITE: None

APPROXIMATE FEES: \$20 for CPR Certification

COURSE DESCRIPTION: This course is a basic guide to healthful living. Course content includes topics from three areas of health: physical health, social health, and mental health. Students become more aware of and responsible for their own health and wellness. The course

includes units on wellness, personal health, mental and emotional health, nutrition, substance use and abuse, consumer health, accident and safety prevention, and human growth and development.

PHYSICAL EDUCATION REQUIREMENTS

Students are required to complete three physical education courses over three separate years.

Below are the requirements and options:

- Course 1: Physical Education 9 can be completed in two ways: Summer School OR during the school year.
- Course 2: 10-12 graders are required to choose one course from group A to meet graduation requirements.
- Course 3: 10-12 graders choose an elective from either group A or B

WIAA Waiver Option

Under state statute 118.33 (1) (e) A school board may allow a pupil who participates in sports or in another organized physical activity, as determined by the school board, to complete an additional 0.5 credit in English, social studies, mathematics, science, or health education in lieu of 0.5 credit in physical education. Students may therefore complete a [WIAA Waiver form](#) to fulfill Course 3 above. CSD Waiver requirements, which require two years of successful participation in a CHS WIAA sport, are available at the Counseling Office.

Elective Course Options

Students may take additional Physical Education courses as their schedule permits. Example: If a student took the *Physical Education 9 Summer School Course*, then they could take either Lifetime Wellness OR Strength Training their Freshman year as an elective. NOTE: This additional elective course does not fulfill Course 3 requirements above UNLESS completed after freshman year.

PHYSICAL EDUCATION 9-SUMMER 9109

Credit: ½ Level: 9

REQUIRED COURSE: Yes

PREREQUISITE: None

APPROXIMATE FEES: None

COURSE DESCRIPTION: This course is the same required Physical Education 9 course offered during the school year (see description for Physical Education 9 #9110 below), but instead offered over the summer. Students enrolling in 9th grade at CHS, are eligible to enroll in this course in lieu of taking PE 9 their Freshman year. Satisfactory completion of this course will meet the Grade 9 PE requirement, allowing students to either take an elective PE course their Freshman year or substitute another course into their schedules. Students will not be allowed to take another study hall.

Attendance Requirements:

Attendance at CHS Summer Session is a serious commitment due to the way the course has been designed. What traditionally is offered over three months during the school year, is now offered over five weeks. One period/day of a Summer Session course is the equivalent to approximately two and a half class sessions of a regular school year course.

Absences will require written verification of the absence from a parent/guardian. Should a student be absent for 3 days, they will be dropped from the course and enrolled in PE 9 during the upcoming school year. Three tardies is equivalent to one absence. Students should not participate in this summer school course if they have other commitments such as trips, camps, or extended planned absences.

PHYSICAL EDUCATION 9 9110

Credit: ½ Level: 9
REQUIRED COURSE: Yes
PREREQUISITE: None
APPROXIMATE FEES: None

COURSE DESCRIPTION: Freshman Physical Education consists of a variety of lifetime, individual, and team oriented activities. Daily activities will incorporate the five components of health-related fitness: cardiovascular endurance, muscular endurance, muscular strength, and flexibility. The units offered include: Invasion Games: soccer, basketball, ultimate frisbee; Striking and Fielding: softball, kickball, football; Net and Wall games: volleyball, tennis, badminton, pickleball; Fitness: dance, swimming, water safety, weight room. Physical Education 9 will emphasize the importance of daily fitness, skill development, and sportsmanship.

PHYSICAL EDUCATION COURSES AVAILABLE FOR ½ CREDIT REQUIRED GRADES 10/11/12 CREDIT:

TEAM SPORTS 9131

Credit: ½ Levels: 10, 11 & 12
REQUIRED COURSE: Can fulfill required physical education course 3.
PREREQUISITE: Physical Education 9
APPROXIMATE FEES: None

COURSE DESCRIPTION: Students will participate in a variety of team sports. The emphasis of this class will focus on lifetime and recreational activities and the continued development of overall fitness. The following activities in this class include but are not limited to: football, soccer, Nerf games, Ultimate Frisbee, team handball, floor hockey, eclipse ball, kickball, wiffle ball, softball, basketball, volleyball, and fitness. Each unit will give instruction on the skill, strategy, and relevant fitness concepts.

NET GAMES 9132

Credit: ½ Levels: 10, 11 & 12
REQUIRED COURSE: Can fulfill required physical education course 3.
PREREQUISITE: Physical Education 9
APPROXIMATE FEES: None

COURSE DESCRIPTION: Students will participate in a variety of net and racquet games. The emphasis of this class will focus on lifetime and recreational activities and the continued development of overall fitness. The following activities in this class include but are not limited to: badminton, tennis, pickleball, table tennis, volleyball, eclipse ball, and water net games. Each unit will give instruction on the skill, strategy, and relevant fitness concepts.

INDIVIDUAL SPORTS 9133

Credit: ½ **Levels:** 10, 11 & 12

REQUIRED COURSE: Can fulfill required physical education course 3.

PREREQUISITE: Physical Education 9

APPROXIMATE FEES: \$72.00 (paid at registration); fee pays for busing, golf and bowling fees

COURSE DESCRIPTION: Students will participate in a variety of individual sports. The emphasis of this class will focus on lifetime and recreational activities and the continued development of overall fitness. The following activities in this class include but are not limited to: golf, tennis, badminton, pickleball, disc golf, bowling, table tennis, archery, and personal fitness. Each unit will give instruction on the skill, strategy, and relevant fitness concepts.

STRENGTH AND CONDITIONING I 9150

Credit: ½ **Levels:** 9, 10, 11 & 12

REQUIRED COURSE: Can fulfill required physical education course 2 or 3.

PREREQUISITE: Physical Education 9

APPROXIMATE FEES: None

NOTE: This course can be taken multiple times for credit.

COURSE DESCRIPTION: Students will learn about weight training/human movement science while also participating in a wide variety of strength training and conditioning activities. Students will explore human muscle anatomy, principles of fitness, exercise testing, and numerous types of fitness training. This class will be held in the fitness center and Field House.

STRENGTH AND CONDITIONING II 9151

Credit: ½ **Levels:** 9, 10, 11 & 12

REQUIRED COURSE: Can fulfill required physical education course 2 or 3.

PREREQUISITE: Physical Education 9, Strength and Conditioning 1

APPROXIMATE FEES: None

COURSE DESCRIPTION: The advanced unit for strength training will concentrate on larger strength gains and more advanced training methods and techniques. Lifting form is still emphasized and important, however a shift to more intensity (workload/overload) in the program will be necessary to achieve larger strength gains. Speed & agility training will continue to be utilized in this course in order to maximize personal growth.

LIFETIME WELLNESS 9160

Credit: ½ **Levels:** 9, 10, 11 & 12

REQUIRED COURSE: Can fulfill required physical education course 2 or 3.

PREREQUISITE: Physical Education 9

APPROXIMATE FEES: \$61.00

COURSE DESCRIPTION: This course explores personal fitness and wellness as a healthy, lifelong practice. Students will engage in all components of health-related fitness, while participating in activities appropriate at any age. Class activities include, but are not limited to: biking, aerobics, yoga, Pilates, kickboxing, snowshoeing, scuba diving, Zumba, and more! This class also includes an American Heart Association CPR-AED Training unit. Certification is received upon successful completion.

OUTDOOR EDUCATION 9170

Credit: ½ Levels: 10, 11 & 12

REQUIRED COURSE: Can fulfill required physical education course 3.

PREREQUISITE: Physical Education 9

APPROXIMATE FEES: \$62.00; pays for curling, busing, and scuba diving fees

COURSE DESCRIPTION: Outdoor Education will allow students to investigate and explore activities related to outdoor and recreational activities that could be utilized throughout their lifetime. Units would include but are not limited to the following: biking, curling, kayaking and canoeing, fishing, archery, disc golf, snorkeling and scuba diving, snowshoeing, and outdoor survival.

LIFEGUARD TRAINING 9180

Credit: ½ Levels: 10, 11 & 12

REQUIRED COURSE: Can fulfill required physical education course 2 or 3.

PREREQUISITE: Students must complete PE9, must be 15 years of age and must pass a pre-course swim test consisting of a 300 yard swim (crawl/breaststroke), tread water for 2 minutes using only your legs, retrieve a 10 lb. object, and swim 20 yards with it using your legs only.

APPROXIMATE FEES: The cost of the course is \$89.00 per student which includes: a lifeguard textbook, personal pocket mask for breathing emergencies and CPR, an individual first aid kit, lung bag, and ARC certification in Lifeguarding, First Aid and CPR Pro/AED.

COURSE DESCRIPTION: The American Red Cross (ARC) Lifeguard Training course teaches lifeguard candidates the skills and knowledge need to prevent and respond to aquatic emergencies. Course content and activities prepare candidates to recognize and respond quickly and effectively to emergencies and prevent drownings and injuries. Course time is allotted for basic lifeguard training, CPR, first aid, and AED training. Maturity, self-motivation, self-evaluation and knowledge of the basic swim strokes are essential attributes for this course.

INTRODUCTION TO YOGA 9190

Credit: ½ Levels: 10, 11 & 12

REQUIRED COURSE: Can fulfill required physical education course 2 or 3.

PREREQUISITE: Physical Education 9

APPROXIMATE FEES: None

COURSE DESCRIPTION: This course will offer students the basic content/positions/breathing techniques and mindfulness practices of yoga. Students will also learn the benefits of yoga and what they will gain from practice: “Development of body awareness, learn how to use their bodies in a healthy way; manage stress through breathing, awareness, meditation and healthy movement; build concentration; increase their confidence and positive self-image; feel part of a healthy, non-competitive group.”

SCIENCE

Grade 9	Grade 10	Grade 11	Grade 12
Biology Gr. 9. 1 credit	Anatomy & Physiology 1 Gr. 10-12. .5 credit		
Biology Honors Gr. 9. 1 credit	Anatomy & Physiology 2 Gr. 10-12. .5 credit		
	Astronomy Gr. 10-12. .5 credit		
	Chemistry Gr. 10-12. 1 credit		
	Honors Chemistry Gr. 10-12. 1 credit		
	Environmental Science Gr. 10-12. .5 credit		
	Principles of Chemistry Gr. 10-12. .5 credit		
	Principles of Physics Gr. 10-12. .5 credit		
	Geology Gr. 10-12. .5 credit		
	Physics Gr. 10-12. 1 credit		
	Honors Physics Gr. 10-12. 1 credit		
	Zoology and Botany Gr. 10-12. .5 credit		
	AP Environmental Science Gr. 10-12. 1 credit		
	Science: From Copernicus to Hubble Gr. 10-12. .5 credit		
		Materials Science Gr. 11-12. .5 credit	
		Organic Chemistry Gr. 11-12. .5 credit	
		AP Biology Gr. 11-12. 1.5 credit	
		AP Chemistry Gr. 11-12. 1.5 credit	
		AP Physics Gr. 11-12. 1 credit	

Key
Prerequisites
No Prerequisites

BIOLOGY 3220

Credit: 1 Level: 9

REQUIRED COURSE: Yes or Honors Biology (3221)

PREREQUISITE: None

APPROXIMATE FEES: \$5 for lab supplies

NOTE: This required course contains strands of the Human Growth and Development curriculum. Parents wishing to exempt their child from the study of Human Growth and Development should discuss with the instructor the material that will be covered.

COURSE DESCRIPTION: The biology class includes the study of ecology, biochemistry, cell structure and function, evolution, genetics, molecular genetics, DNA technology, classification, inheritance and microbiology. Students will gain knowledge and understanding of biological concepts, data and evolutionary principles that govern and unify biology. Students will also collect and use lab data to solve biological problems and apply the concepts learned in lecture. Students will gain hands-on technical skills in lab and will demonstrate the major principles and critical thinking necessary to better understand the interactions and interdependence of living organisms within and among their environments. Additionally, this course will focus on College Readiness (ACT) science skill sets.

HONORS BIOLOGY 3221

Credit: 1 Level: 9

REQUIRED COURSE: Yes or Biology (3220)

PREREQUISITE: Recommendation of current science teacher and meets science benchmark score on standardized tests

APPROXIMATE FEES: \$5 for lab supplies

NOTE: This required course contains strands of the Human Growth and Development curriculum. Parents wishing to exempt their child from the study of Human Growth and Development should discuss with the instructor the material that will be covered.

COURSE DESCRIPTION: The Honors Biology curriculum will include the same topics as Biology (3220). Some differences include: more inquiry-based labs, more challenging homework assignments and assessments, and more challenging projects. Honors Biology is highly recommended for students interested in taking Advanced Placement Biology.

PRINCIPLES OF CHEMISTRY 3300A

Credit: ½ Levels: 10, 11 & 12

PREREQUISITE: Biology (3220), Algebra 1 (2110); teacher recommendation

APPROXIMATE FEES: \$5.00

COURSE DESCRIPTION: This laboratory science course includes principles of chemistry with less emphasis on mathematical interpretation. Topics include graphing, factor label method,

atomic structure, nuclear chemistry, quantum mechanics, ionic compounds, polyatomic ions, molecular structure and bonding, chemical reactions, and stoichiometry (mole concept). A key focus of this class will be to prepare students for success in Chemistry (3330).

PRINCIPLES OF PHYSICS 3300B

Credit: ½ Levels: 10, 11 & 12

PREREQUISITE: Biology (3220), Algebra 1 (2110); teacher recommendation

APPROXIMATE FEES: Possible field trip fee of approximately \$50

COURSE DESCRIPTION: This laboratory science course includes principles of physics with less emphasis on mathematical interpretation. Topics to be covered include Newton's Laws of Motion, Laws of Conservation, circular motion, satellites, and wave properties of sound and light. A key focus of this class will be to prepare students for success in Physics (3620).

CHEMISTRY 3330

Credit: 1 Levels: 10,11 & 12

PREREQUISITE: Completion of Biology (3220) or Honors Biology (3221) and completion or concurrent enrollment in Accelerated Geometry (2220) or higher.

APPROXIMATE FEES: \$5 for lab supplies

NOTE: Students will need a scientific non-graphing calculator. Proficiency in mathematics is essential since mathematical problem solving is an important part of the course.

RECOMMENDED: Standardized math assessment scores at or about the 65 percentile are recommended. This course is strongly recommended by many four-year colleges.

PATHWAY COURSE: [Nursing](#)

COURSE DESCRIPTION: Chemistry is the study of matter and its changes. Some topics of study are atomic and molecular structure, chemical reactions, stoichiometry (mole concept), states of matter, solutions, thermodynamics, and electrochemistry. Since analytical problem solving is a major part of this course, math proficiency is essential.

HONORS CHEMISTRY 3331

Credit: 1 Levels: 10,11 & 12

PREREQUISITE: Completion of Biology (3220) or Honors Biology (3221) and completion or concurrent enrollment in Accelerated Geometry (2220) or higher.

APPROXIMATE FEES: \$5 for lab supplies

NOTE: Scientific non-graphing calculator required; proficiency in mathematics is essential since mathematical problem-solving is an important part of the course.

RECOMMENDED: Standardized math assessment scores at or about the 65 percentile are recommended. Strongly recommended by many four-year colleges.

PATHWAY COURSE: [Nursing](#)

COURSE DESCRIPTION: Honors Chemistry integrates the same topics as Chemistry (3330) but at a greater depth and focuses on mathematical applications, data analysis, and predictions. There will be a stronger emphasis on critical problem-solving and connections between units of study. Honors Chemistry is highly recommended for students interested in taking Advanced Placement Chemistry.

ZOOLOGY AND BOTANY 3405

Credit: ½ Levels: 10, 11 & 12

PREREQUISITE: Successful completion of Biology (3220) or Honors Biology (3221)

APPROXIMATE FEES: \$35 for dissection materials; possible field trip fee of approximately \$50

RECOMMENDED: Successful completion of Honors Biology (3221) or a C or higher in Biology (3220).

NOTE: This elective course contains strands of the Human Growth and Development curriculum. Parents wishing to exempt their child from the study of Human Growth and Development should discuss with the instructor the material that will be covered.

COURSE DESCRIPTION: This course will cover a diversity of life, emphasizing zoology and botany. It will involve the hands-on dissection of multiple animals for comparative studies of anatomical systems. Students will study both vertebrate AND invertebrate animals. Additionally, there may be a field trip to the Shedd Aquarium. Although the focus will be on the plant and animal kingdoms, the fungi and protists may also be discussed. Special focus will be on the adaptations and mechanisms of change.

ENVIRONMENTAL SCIENCE 3410

Credit: ½ Levels: 10, 11 & 12

PREREQUISITE: Successful completion of Biology (3220) or Honors Biology (3221)

APPROXIMATE FEES: \$5 for lab supplies. Required field trip fee of approximately \$15.

RECOMMENDED: For students who have an interest in the environment.

COURSE DESCRIPTION: Environmental Science is for students who are interested in Earth's systems and how they are affected by human activity. Emphasis in the course is placed on an aquatic ecology project involving testing water quality and discovering relationships among aquatic organisms. This course involves lab and fieldwork. We will also study environmental problems and how they are related to the political and social fabric of our lives and what are some possible solutions. This part of the class emphasizes reading and class discussion. There will be required hands-on projects, labs and field trips.

GEOLOGY 3430

Credit: ½ Levels: 10, 11 & 12

PREREQUISITE: None

COURSE DESCRIPTION: Geology is the study of Earth's physical structure, history and the processes that act on it. Rocks and minerals, plate tectonics, earthquakes, volcanoes, weathering

and erosion, and geologic time are among the topics studied in this course. h Students are expected to work cooperatively with other geology students. This course includes lab work, model building and analysis and interpretation of data.

ASTRONOMY 3450

Credit: ½ Levels: 10, 11 & 12

PREREQUISITE: Algebra I (2110)

APPROXIMATE FEES: Required field trip with an approximate fee of \$10

COURSE DESCRIPTION: This elective course will focus on the basic concepts of astronomy. It will focus on the motions of the Earth, constellations, gravitation and planetary motion, light, the life cycle of stars and objects in the solar system. Students will use inquiry to discover the principles of astronomy. This class requires students to work independently and collaboratively. Students in this course will use computer modeling, physical modeling, and telescopes to expand their understanding of the known universe. This course includes a field trip to the planetarium and nighttime observations to enhance the classroom experience.

ANATOMY & PHYSIOLOGY 1 3470

Credit: ½ Levels: 10, 11 & 12

PREREQUISITE: Completion of Honors Biology (3221) or Biology (3220)

APPROXIMATE FEES: \$15.00 for dissection supplies

RECOMMENDED: Successful completion of Honors Biology (3221) or a C or higher in Biology (3220); For students interested in a medical or veterinary field.

NOTE: This elective course contains strands of the Human Growth and Development curriculum. Parents wishing to exempt their child from the study of Human Growth and Development should instruct their child to select another elective course.

PATHWAY COURSE: [Nursing](#)

COURSE DESCRIPTION: This course is for students who are interested in furthering their knowledge of the structure and function of the human body systems. This course includes units on the integumentary, cardiovascular, blood, and muscular systems. Major tissue types and body systems relationships are also covered. The course includes labs, activities, projects and dissections.

ANATOMY & PHYSIOLOGY 2 3480

Credit: ½ Levels: 10, 11 & 12

PREREQUISITE: Completion of Honors Biology (3221) or Biology (3220)

APPROXIMATE FEES: \$20 for dissection supplies; additional field trip fee is possible.

RECOMMENDED: Completion of Anatomy & Physiology 1 (3470); Successful completion of Honors Biology (3221) or a B or higher in Biology (3220).

NOTE: This elective course contains strands of the Human Growth and Development curriculum. Parents wishing to exempt their child from the study of Human Growth and Development should instruct their child to select another elective course.

PATHWAY COURSE: [Nursing](#)

COURSE DESCRIPTION: This course is for students who are interested in furthering their knowledge of the structure and function of the human body systems. This course includes units on the nervous, digestive, respiratory, special senses and urinary systems. The course includes labs, activities, projects and dissections.

AP ENVIRONMENTAL SCIENCE 3420

CREDIT: 1 (Weighted grade) Levels: 10, 11 & 12

PREREQUISITE: Successful completion of Biology (3220) or Honors Biology (3221) with a B or higher. Strongly recommend completion or concurrent enrollment in Chemistry (3330) or Honors Chemistry (3331)

APPROXIMATE FEES: \$55 for lab supplies and workbook; additional \$25 for possible required field trip expenses; \$97 for the AP Environmental Science Examination (optional, but an expectation)

NOTE: Calculator required (see instructor)

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

Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study. Yet there are several major unifying constructs, or themes, that cut across the many topics included in the study of environmental science. The themes provide a foundation for the structure of the AP Environmental Science course. It is an expectation that students will take the Advanced Placement Environmental Science Examination; performance on the test determines possible college credit.

AP BIOLOGY 3490

Credit: 1½ (Weighted grade) Levels: 11 & 12

PREREQUISITE: Successful completion of Biology (3220) or Honors Biology (3221) and Chemistry (3330) or Honors Chemistry (3331)

RECOMMENDED: Successful Biology (3220) or Honors Biology (3221) with a B+ or higher

APPROXIMATE FEES: \$30 for lab supplies; \$97 for the AP Biology Examination (optional, but recommended)

NOTE: This elective course contains strands of the Human Growth and Development curriculum. Parents wishing to exempt their child from the study of Human Growth and Development should discuss with the instructor the material that will be covered.

COURSE DESCRIPTION: This course covers the topics included in most freshman-level college biology classes. Critical thinking, reading, writing, and laboratory work are emphasized. Students should be college-bound, exceptionally motivated, and have a high level of competency in the prerequisite courses. It is an expectation that students will take the Advanced Placement Biology Examination; performance on the test determines possible college credit.

AP CHEMISTRY 3530

Credit: 1½ (Weighted grade) **Levels:** 11 & 12

PREREQUISITE: Successful completion of Chemistry (3330) or Honors Chemistry (3331)

APPROXIMATE FEES \$10 for lab supplies; \$97 for the AP Chemistry Examination (optional, but an expectation)

RECOMMENDED: Successful completion of Chemistry (3330) or Honors Chemistry (3331) with a B+ or higher and Accelerated Algebra II (2340) or higher

NOTE: Calculator required (see instructor)

COURSE DESCRIPTION: AP Chemistry is designed to be the equivalent of the general chemistry course usually taken during the first year of college. The pace and depth of study is far greater than the introductory course (3331), with major new topics. It is an expectation that students will take the Advanced Placement Chemistry Examination; performance on the test determines possible college credit.

ORGANIC CHEMISTRY 3550

Credit: ½ **Levels:** 11 & 12

PREREQUISITE: Successful completion of Chemistry (3330) or Honors Chemistry (3331)

APPROXIMATE FEES: \$5 for lab supplies

RECOMMENDED: For students interested in chemistry, biology, or medical careers

PATHWAY COURSE: [Nursing](#)

COURSE DESCRIPTION: This course is an introduction to the chemistry of carbon compounds. Topics covered include mixture separation, isomerism, mechanisms, reactions, and synthetic strategy. An emphasis is placed on the structure and naming of organic compounds. This is a lab intensive course.

MATERIALS SCIENCE 3560

Credit: 1/2 **Levels:** 11 & 12

PREREQUISITE: Completion of Chemistry (or Honors Chemistry), or C or higher in Principles of Chemistry and Physics (both semesters)

APPROXIMATE FEES: \$15 for lab supplies

COURSE DESCRIPTION: Materials science involves the synthesis of new materials, developing improved processes for making materials and understanding the role of materials in our everyday lives. This course will focus on the fundamental relationship between structure, properties, processing and performance of materials using hands-on activities, readings and projects. Topics covered in the class include: structure and bonding, crystal structures, ionic compounds, metals, alloys, ceramics, glass, composites and polymers.

PHYSICS **3620**

Credit: 1 Levels: 10, 11 & 12

PREREQUISITE: Successful completion of Algebra II (2340) or concurrent registration in Algebra II/Trigonometry (2250)

APPROXIMATE FEES: Scientific calculator required; field trip fee of approximately \$50

RECOMMENDED: Strongly recommended for college-bound students who expect to continue study in a science-related area

NOTE: Proficiency in mathematics is essential since problem solving is an important part of the course.

PATHWAY COURSE: [Advanced Manufacturing](#)

PATHWAY COURSE: [Construction](#)

COURSE DESCRIPTION: Physics is the study of topics such as motion, force, projectiles, momentum, free fall, energy, electricity, magnetism, light, and sound. The course is based heavily on experiment and demonstration. Students will often use electronic equipment like force sensors and motion detectors in the lab to gather data and analyze it using technology. The year culminates with a trip to Six Flags Great America in Illinois.

HONORS PHYSICS **3621**

Credit: 1 Levels: 10, 11 & 12

PREREQUISITE: Completion of or concurrent registration in Honors Algebra II with Trigonometry (2250)

APPROXIMATE FEES: Scientific calculator required; Field trip fee of approximately \$50

RECOMMENDED: Strongly recommended for college-bound students who expect to continue study in a science-related area

NOTE: Proficiency in mathematics is essential since problem solving is an important part of the course.

PATHWAY COURSE: [Advanced Manufacturing](#)

PATHWAY COURSE: [Construction](#)

COURSE DESCRIPTION: The Honors Physics curriculum will include the same topics as Physics. Some differences include: more inquiry-based labs, more challenging homework assignments and assessments, more challenging thought experiments and special topics. Honors

Physics is highly recommended for students interested in taking Advanced Placement Physics the following year.

AP PHYSICS **3650**

Credit: 1 (Weighted grade) Levels: 11 & 12

PREREQUISITE: Physics (3620) or Honors Physics (3621), and concurrent registration with AP Calculus BC

APPROXIMATE FEES: Field trip fee of approximately \$50; \$97 for the AP Physics Examination (optional, but an expectation)

RECOMMENDED: Strongly recommended for college-bound students who expect to continue study in a science-related area

NOTE: Proficiency in mathematics is essential since problem solving is an important part of the course.

PATHWAY COURSE: [Advanced Manufacturing](#)

PATHWAY COURSE: [Construction](#)

COURSE DESCRIPTION: Advanced Placement Physics will prepare students for a calculus-based Physics “C” Mechanics AP Exam. Advanced Placement Physics is highly recommended for students who wish to major in science and engineering.

SCIENCE: FROM COPERNICUS TO HUBBLE **3700**

Credit: ½ Levels: 10, 11 & 12

PREREQUISITE: Successful completion of Chemistry

APPROXIMATE FEES: None

[VIDEO PREVIEW](#)

COURSE DESCRIPTION: In Copernicus, students will explore essential questions about the *nature* of science and the *history* of science. How do we really know what we claim to know? What is the function of a scientific Theory? The course is organized around a small number of significant topics from the history of physics, chemistry and biology, including The Theory of Gravity, the nature of Light, the behavior of Earth, Atomic Theory, and the Theory of Evolution. In group discussion, students will 1) assess our current understanding of a scientific idea, 2) investigate the arduous process that occurred to help us reach that understanding, and 3) rejoice in the thrill of what remains unexplained! In the process, students will study the life and contributions of about fifteen famous scientists from the Western world of the last 500 years or so, from Copernicus to Hubble. The course is reading and writing intensive, with an emphasis on contemplation of nature, knowledge, humanity.

SOCIAL STUDIES

Grade 9	Grade 10	Grade 11	Grade 12
Global Studies Gr. 9. 1 credit			
AP Human Geography Gr 9-10. 1 credit			
Global Scholars Program Gr 9-12			
	American Gov Gr. 10. .5 credit		
	AP Government & Politics Gr. 10-12. 1 credit		
	Ancient Civilization Gr. 10-12. .5 credit		
	Current Issues Gr. 10-12. .5 credit		
	Sociology Gr. 10-12. .5 credit		
	Psychology Gr. 10-12. .5 credit		
	AP Psychology Gr. 10-12. 1 credit		
	AP World History: Modern Gr. 10-12. 1 credit		
	Law and Society Gr. 10-12. .5 credit		
		US History Gr. 11. 1 credit	
		AP US History Gr 11-12. 1 credit	
		20th Century Conflicts Gr. 11-12. .5 credit	
		AP Comparative Politics & Government Gr. 11-12. 1 credit	
			Economics Gr. 12. .5 credit
			Honors Econ & College Finance Gr 12. 1 credit #
			AP Economics Gr 12. 1 credit

Key
Prerequisites
No Prerequisites
= College credit available

GLOBAL STUDIES 4150

Credit: 1

Level: 9

REQUIRED COURSE: This course or AP Human Geography

PREREQUISITE: None

APPROXIMATE FEES: \$5 for periodicals

COURSE DESCRIPTION: In this course, students will explore how social studies involves a search for patterns which reflect human experiences. Laws, languages, institutions, arts, industries, political experiments, economic theories, religious quests, and military ambitions all project the image of that experience. In each regional (North America, Latin America, Caribbean, Sub-Saharan Africa, Southwest Asia, North Africa, Europe, Central Asia, East Asia, Southeast Asia, Australia & Oceania, and the Russian Domain) unit, students will study what has been, what is, and what might be, developing a curiosity about and sensitivity for the environment in which they live. The course will examine contemporary issues about globalization, diversity, and the changing global environment.

AP HUMAN GEOGRAPHY 4160

Credit: 1 (Weighted grade) Levels: 9 & 10

REQUIRED COURSE: This course or Global Studies

PREREQUISITE: Recommendation by 8th grade teacher; Concurrent enrollment in the highest (pre-AP, AP) equivalent year/grade advanced English course.

SUMMER ASSIGNMENT: There is currently a Summer Assignment for this course made available in June and assessed in September.

APPROXIMATE FEES: \$5 for periodicals; \$97 for the AP Human Geography Examination (optional, but expected)

COURSE DESCRIPTION: This course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. Students will learn about the methods and tools geographers' use in their science and practice. On successful completion of the course, the students should be able to: use and think about maps and spatial data, understand and interpret the implications of associations among phenomena in places, recognize and interpret at different scales the relationships among patterns and processes, define regions and evaluate the regionalization process., characterize and analyze changing interconnections among places. Interested students may take the Advanced Placement Human Geography examination; performance on the test determines possible college credit. The UW-Madison may award up to three college credits. To see college credit criteria for the UW system visit uwhelp.wisconsin.edu/testing/ap.aspx.

AMERICAN GOVERNMENT 4230

Credit: ½

Level: 10

REQUIRED COURSE: This course or AP Government and Politics

PREREQUISITE: None

APPROXIMATE FEES: None

COURSE DESCRIPTION: This course is designed to give students a working knowledge to become intelligent active participants in the American political process. In order to create this foundation, several areas will be covered. In general, the fundamental concepts, structures, and

processes of the following will be utilized to increase students' knowledge: local and state governments, the Constitution, federalism, republicanism, and the influence of media and special interest groups on the mechanics of the modern political structure. Also, the historical and philosophical underpinnings of the United States Constitution and Bill of Rights will be used as a backdrop to highlight and explore the functioning of the American government through case studies. Throughout the semester, analytical and evaluative skills will be encouraged as they apply the content and to the personal experiences of the students.

AP GOVERNMENT AND POLITICS 4240

Credit: 1 (Weighted grade) Levels: 10, 11 & 12

REQUIRED COURSE: This course or American Government

PREREQUISITE: Concurrent enrollment in the highest (Honors, AP) equivalent year/grade advanced English course.

SUMMER ASSIGNMENT: There is no Summer Assignment currently planned for this course.

APPROXIMATE FEES: \$97 for the AP Government Examination (optional, but expected)

COURSE DESCRIPTION: AP curriculum is designed to give students an analytical perspective on government and politics in the United States. Students will study both general concepts used to interpret U.S. politics and examine specific examples of those concepts. The AP Government course requires students to learn facts and concepts and understand typical political processes. The course will require students to master historical and analytical skills, including; chronological and spatial thinking, historical research and interpretation. Students will evaluate viewpoints presented through major print and electronic media, understand statistical data and analyze trends related to significant political events. Emphasis is placed on applying problem-solving and critical-thinking skills, interpreting graphs and tables, organizing information, evaluating information, and communicating orally and in writing. The course aims to help the student to participate effectively and democratically in American political society. Interested students may take the Advanced Placement Government and Politics Examination; performance on the test determines possible college credit. The UW-Madison may award up to four college credits. To see college credit criteria for the UW system visit uwhelp.wisconsin.edu/testing/ap.aspx.

AP COMPARATIVE GOVERNMENT AND POLITICS 4241

Credit: 1 (Weighted grade) Levels: 11 & 12

NOTE: This course does NOT fulfill the political science-civics graduation requirement.

PREREQUISITE: Recommended concurrent enrollment in the highest (pre-AP, AP) equivalent year/grade advanced English course.

SUMMER ASSIGNMENT: There is no Summer Assignment currently planned for this course.

APPROXIMATE FEES: \$97 for the AP Government Examination (optional, but expected)

COURSE DESCRIPTION: The course essentially covers an introduction to comparative politics concepts and the application of these concepts to substantive content about six countries. The Course content includes facts about the six countries that form the core of the AP Comparative Government and Politics course -- Britain, China, Iran, Mexico, Nigeria, and Russia -- combined with the conceptual analysis that introduces different ways of organizing politics and their outcomes.

AP Comparative Politics helps students answer questions like: Why are some countries stable democracies and not others? Why do democracies have different party and electoral systems? How

do citizens express their interests in an organized fashion, and why does this vary among countries? What is the impact of globalization on domestic politics and economics? What needs to exist before a vibrant civil society can develop in a formerly authoritarian system? What kinds of policies are pursued when governments seek to diminish social inequality? What is the effect of great disparities in wealth and poverty on political order?

ANCIENT CIVILIZATION BC–1350 4210

Credit: ½ Levels: 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: None

COURSE DESCRIPTION: In our Ancient Civilization course, we will study the emergence and the decline of the major civilizations of the ancient world. Beginning with the Paleolithic Era (about 2.5 million years ago) and finishing with the civilizations of the Americas. We will pay special attention to how societies evolved from fragmented and primitive agricultural communities to more advanced and consolidated civilizations. To do this, we will rely upon textbook readings to provide historical overviews of particular civilizations and then utilize primary-source documents to understand the unique features of these individual societies. By the end of the course, students will possess a thorough understanding of important overarching social, political, religious, and economic themes in the ancient world, ranging from the emergence of Confucian philosophy in Asia to the fall of imperial Rome.

AP WORLD HISTORY: MODERN 4315

Credit: 1 Levels: 10, 11 & 12

PREREQUISITE: Recommended concurrent enrollment in the highest (pre-AP, AP) equivalent year/grade advanced English course.

SUMMER ASSIGNMENT: There is no Summer Assignment currently planned for this course.

APPROXIMATE FEES: \$97 for the AP Examination (optional, but expected)

COURSE DESCRIPTION: AP World History focuses on developing students' abilities to think conceptually about world history and apply historical thinking skills as they learn about the past. Five themes of equal importance — focusing on the environment, cultures, state-building, economic systems, and social structures — provide areas of historical inquiry for investigation throughout the course. AP World History encompasses the history of the five major geographical regions of the globe: Africa, the Americas, Asia, Europe, and Oceania, with special focus on historical developments and processes that cross multiple regions

UNITED STATES HISTORY 4110

Credit: 1 Level: 11

REQUIRED COURSE: This course or AP United States History

PREREQUISITE: None

APPROXIMATE FEES: None

COURSE DESCRIPTION: The study of United States History in the eleventh grade is designed as a survey course framed to present academic content, concepts, and skills, and to foster the development of responsible citizens. The use of historical novels, primary source work, National History Day activities, as well as an emphasis on historical writing will ensure that students are propelled toward the development of higher level thinking. This course will highlight root causes

and interconnections of events throughout America's past. Historical analysis will underscore economic, social, and political dynamics of American history through the interaction of diverse groups, the creation of a national identity, the rise of social movements, and the growth of federal institutions. US History will provide a brief review of American history from 1492 to 1898, then focus on the significance of the 20th century. Major topics will include American Imperialism, the Progressive era, World War I, the 1920s, the Great Depression, World War II, foreign and domestic consequences of the Cold War, Civil Rights and other social movements, the turmoil of the 1960s, the political and economic fallout of the 1970s, the conservatism of the 1980s, and post-Cold War events that continue to shape our world today.

AP UNITED STATES HISTORY 4490

Credit: 1 (Weighted grade) Levels: 11 & 12

REQUIRED COURSE: This course or US History

PREREQUISITE: Concurrent enrollment in the highest (Honors, AP) equivalent year/grade advanced English course.

SUMMER ASSIGNMENT: There is currently a Summer Assignment for this course made available in June and assessed in September.

APPROXIMATE FEES: \$97 for the AP United States History Examination (optional, but expected)

COURSE DESCRIPTION: The AP program in United States History is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with problems and materials in United States history. The program prepares students for intermediate and advanced college courses by making demands upon the student equivalent to those made by full-year introductory college courses. Interested students may take the Advanced Placement United States History Examination; performance on the test determines possible college credit. The UW-Madison may award up to six college credits. To see college credit criteria for the UW system visit uwhelp.wisconsin.edu/testing/ap.aspx.

CURRENT ISSUES 4410

Credit: ½ Levels: 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: None

COURSE DESCRIPTION: In Current Issues, students study various dynamic issues facing today's society enabling students to discover their values and responsibilities as both citizens of the United States and global community. Through a rigorous examination of contemporary events, this course will apply the major social studies disciplines (civics, economics, geography, and history) to refine and strengthen skills in developing questions and planning inquiries, gathering and evaluating sources, developing claims and using evidence, communicating and critiquing conclusions, and taking informed action.

LAW AND SOCIETY 4245

Credit: ½ Levels: 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: None

COURSE DESCRIPTION: What is the purpose of laws in society? How does the law relate to justice? How does the legal system work to provide justice for all? How does the legal system help resolve disputes in society? How is the legal system structured? How can the legal system be improved to provide justice for all? This course examines the historical and current intersection between people and the legal system in an attempt to discuss and answer these questions. Both the criminal and civil justice system will be examined throughout the course. Students will engage in various activities including debate, research and mock trials to understand the relationship between the law and society and their role in that relationship.

20th CENTURY CONFLICTS 4445

Credit: ½ Levels: 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: None

COURSE DESCRIPTION: This course serves as an introduction to the study of International Relations. Through an exploration of both militaristic and diplomatic histories of American foreign policy, students will develop a comprehensive understanding of the American system of government, an awareness of the challenges implicit in the multiculturalism of the nation and an appreciation of the ways in which these American conflicts have shaped and continue to shape the lives of ordinary people. Learning activities and skill development include analysis of primary sources, discussion and debate, analytical writing, and library research. As a semester-long course, the basic content of the class includes the Cold War (1945-89), the post-Cold War era (1989-2001), and the post 9/11 era (2001 to the present). Within these eras students will specifically engage in the study of the Vietnam War, the War on Terror (Afghanistan and Iraq), and contemporary issues in American foreign policy.

SOCIOLOGY 4460

Credit: ½ Levels: 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: None

NOTE: This elective course contains strands of the Human Growth and Development curriculum. Parents wishing to exempt their child from the study of Human Growth and Development should instruct their child to select another elective course.

COURSE DESCRIPTION: The sociology course gives students a broad overview of social interaction and social problems. Students will consider cultures, religion, society, social classes and social organizations. Students will delve into issues such as gender roles, welfare, and population growth. Social ills and problems such as prejudice, sexism, ageism, racism, rape and drug dependency are studied. Due to the controversial nature of some of the material studied and discussed, it is important that students enter the course with an objective and open mind.

PSYCHOLOGY 4470

Credit: ½ Levels: 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: None

NOTE: This elective course contains strands of the Human Growth and Development curriculum. Parents wishing to exempt their child from the study of Human Growth and Development should instruct their child to select another elective course.

AP ECONOMICS (MICROECONOMICS & MACROECONOMICS)

4405

Credit: 1

Level: 12

REQUIRED COURSE: This course, Honors Economics and Finance, Economics, or College Personal Finance (see Business Department)

PREREQUISITE: Algebra II; Recommended concurrent enrollment in the highest (Honors, AP) equivalent year/grade advanced English course.

SUMMER ASSIGNMENT: There is no Summer Assignment currently planned for this course.

APPROXIMATE FEES: \$23 for AP workbook and licensed resources; \$97 for EACH AP Economics Examination (Micro and Macro exams) (optional, but expected), \$194 if both exams are taken

COURSE DESCRIPTION: Advanced Placement Economics is a yearlong course that encompasses microeconomics and macroeconomics topics. The purpose of microeconomics is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision-makers, both consumers and producers, within the economic system. It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy. Microeconomic topics include: basic economic concepts, nature, and function of product markets, factor markets, market failure, and the role of government. The purpose of macroeconomics is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Macroeconomic topics include: basic economic concepts, measurement of economic performance, national income and price determination, financial sector, stabilization policies, economic growth, and international trade and finance. Advanced Placement Economics requires students to use mathematical equations and graphs to analyze data. Students will have the opportunity to take two AP exams, Microeconomics and Macroeconomics, in May.

HONORS ECONOMICS AND COLLEGE FINANCE

4401

Credit: 1

Level: 12

REQUIRED COURSE: This course, College Personal Finance, Economics, or AP Economics required for graduation

NOTE: College credit available for students who meet UW-Oshkosh eligibility standards

This course satisfies $\frac{1}{2}$ credit of the three-credit Social Studies requirement

APPROXIMATE FEES: No fees if not taken for college credit; If taken for college credit, approximately \$300 for 3 college credits (roughly a \$700 discount).

COURSE DESCRIPTION: This course combines both the semester-long Economics and semester-long College Personal Finance courses into one year-long Honors Economics and Finance. The course is designed to provide enhanced coverage of the basic principles of Economics as well as the tenets (and UW-Oshkosh credit benefits) of College Personal Finance. This two-semester course satisfies the $\frac{1}{2}$ credit Personal Finance Graduation Requirement and offers the following:

The Economics Semester introduces students to a key discipline of the social sciences, the study of how individuals, firms, and societies choose to allocate their scarce resources. Students will develop

a critical understanding of the economic way of thinking and an appreciation of the economic forces that shape human behavior and the global economy. Economics employs mathematics, statistics, and primary source data to examine important issues and to better understand how people make choices. Its dual micro and macro foci serve as a primer for college-level economics.

The Personal Finance Semester is designed to help students understand the impact of individual choices on occupational goals and future earnings potential. Personal Finance students will experience real scenarios and use strategies covered in the course to help them make sound financial decisions. Students will design personal and household budgets, and demonstrate knowledge of finance, debt, and credit for making informed personal financial decisions. College Personal Finance is aligned with UW-Oshkosh's CAPP program and provides the opportunity for academically able students to earn college and high school credits concurrently.



TECHNOLOGY AND ENGINEERING

Grade 9	Grade 10	Grade 11	Grade 12
Small Engines and Power Tech Gr. 9-12. .5 credit			
Intro to Eng. & Mfg. Technologies Gr. 9-12. .5 credit			
Wood Technologies I Gr. 9-12. .5 credit			
Architectural Drafting Gr. 9-12. .5 credit			
Metals & Manufacturing Technologies Gr. 9-12. 1 credit			
College IED Intro to Engineering Design-PLTW Gr. 9-12. 1 credit #			
Automation & Robotics I Gr. 9-12. .5 credit			
	Transportation Technologies Gr. 10-12. 1 credit		
	Wood Technologies II Gr. 10-12. .5 credit		
	Automated Manufacturing Tech Gr. 10-12. 1 credit		
	Advanced Autodesk Inventor Gr. 10-12. .5 credit		
	College Principles of Engineering-PLTW Gr. 10-12. 1 credit #		
	College Civil Engineering & Architecture-PLTW Gr. 10-12. 1 credit #		
		Transportation Capstone Gr. 11-12. 1 credit	
		Adv. Mfg. & Design Capstone Gr. 11-12. 1 credit	
		Wood Technologies & Design Capstone Gr. 11-12. 1 credit	
			College Eng. Dsgn. & Dev-PLTW Gr 12. 1 credit #

Key
Prerequisites
No Prerequisites
= College credit available

**INTRODUCTION TO ENGINEERING
AND MANUFACTURING TECHNOLOGIES** 8300

Credit: ½ Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEE: \$10.00 for project materials

COURSE DESCRIPTION: Introduction to Engineering and Manufacturing Technologies is open to all boys and girls who would like to gain insight into the fields of engineering, design and manufacturing technologies. This course is not a prerequisite, but will give insight to the engineering, woods, and metals areas. This is a project-based, hands-on course.

SMALL ENGINES AND POWER TECHNOLOGIES 8100

Credit: ½ Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: \$10.00

COURSE DESCRIPTION: (Level 1 Transportation Course) Students in Small Engines and Power Technology will spend approximately nine weeks on general power technologies. Power Technologies is intended to acquaint students with the sources and forms of energy available now and what may be available in the future. Students will learn that there are often choices to be made about the most appropriate energy form to use. The energy conversion systems which change energy forms to meet human needs also will be studied.

Approximately nine weeks will be spent on two- and four-cycle engines. Small Engines will deal with the care and maintenance of equipment such as lawn mowers, weed whackers, leaf blowers, snow blowers, etc. Students will work towards a Briggs and Stratton Master Service Technician Certification. The official Briggs and Stratton MST test will be offered at the end of the course.

TRANSPORTATION TECHNOLOGIES 8140

Credit: 1 Levels: 10, 11 & 12

PREREQUISITE: Small Engines and Power Technologies (8100)

APPROXIMATE FEES: \$20.00

COURSE DESCRIPTION: (Level II Transportation Course) Students in Transportation Technologies will study a variety of systems of the automobile such as engine design, lubrication, cooling, fuel, ignition, brake, and emission. Lab activities involve maintaining and testing the functions of each system. Students will work towards the completion of a National Institute for Automotive Service Excellence certification. The ASE Maintenance and Light Repair Certification will be offered at the end of the course.

TRANSPORTATION CAPSTONE 8160

Credit: 1 Levels: 11 & 12

PREREQUISITE: Transportation Technologies formerly Automotive Service and Repair (8140); consent of teacher

APPROXIMATE FEES: \$20.00

COURSE DESCRIPTION: (Level III Transportation Course) The CHS Transportation Capstone is an event at the end of your high school career which allows you to showcase the skills you have developed in your transportation classes. This is a dynamic class that allows you to develop an individual project of your choice that demonstrates the skills you have developed during your high school career. The purpose of capstone is to connect your learning to a personal interest that you believe may be relevant to your post high school interests, goals, and aspirations. Projects can range from small engine rebuild, large automotive projects or collaboration projects. Students will utilize all skills learned from previous courses as well as the design process to create a one of a kind personal project. Students will be encouraged to learn new high level skills and collaborate with outside sources to develop their project.

WOOD TECHNOLOGIES I 8360

Credit: ½ **Levels:** 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: \$15.00 for project materials

PATHWAY COURSE: [Construction](#)

COURSE DESCRIPTION: (Level 1 Wood Technologies Course) Wood Technologies I is a course designed to introduce students to general woodworking practices. Students will expand their knowledge and experience through various projects, lessons, and vocabulary. Students will be expected to learn about and safely use hand tools, power tools, woodworking machinery and finishing processes. The projects are designed to give students as much experience as possible by using many different machines, tools, joinery and assembly processes. The projects will also cover as many aspects of the building and woodworking industries, including careers available, as is possible in an entry-level course.

Upon successful completion of this course, the student will have woodworking skills that will be useful in any aspect of the construction and woodworking industry. Additionally, the student should have a broader understanding of construction and woodworking processes, as well as, more in-depth problem solving skills and an understanding of career pathways.

WOOD TECHNOLOGIES II 8361

Credit: ½ **Levels:** 10, 11 & 12

PREREQUISITE: Wood Technologies I (8360)

APPROXIMATE FEES: \$40.00 for project materials

PATHWAY COURSE: [Construction](#)

COURSE DESCRIPTION: (Level 2 Wood Technologies Course) Wood Technologies II will cover advanced processes and techniques used in the manufacturing of furniture and other wooden products. Students will investigate and create tools, jigs and processes related to mass production and universal design. Students will expand on their level I knowledge on how to utilize a variety of tools, equipment and processes within the lab area. Students will go in depth into how to utilize different pieces of equipment for assembly, joinery and finishing processes. Throughout this course students will be crafting a project utilizing the same standards as modern woodworking manufacturing facilities.

Upon successful completion of this course, students will be offered the Industry Recognized Certification, SawBlade Certification. Students will have advanced woodworking skills that can be

useful in any aspect of the woodworking and construction career pathway, as well as, a well-defined understanding of how to utilize these techniques for problem-solving.

WOOD TECHNOLOGIES & DESIGN CAPSTONE

8380

Credit: 1

Levels: 11 & 12

PREREQUISITE: Wood Technologies II (8361)

APPROXIMATE FEES: \$20.00-\$200 (based upon project made)

PATHWAY COURSE: [Construction](#)

COURSE DESCRIPTION: (Level III Wood Technologies Course) The CHS Wood Technologies Design Capstone is an event at the end of your high school woodworking career which allows you to showcase the skills you have developed in your Woodworking and Wood Technologies classes. This is a dynamic class that allows you to develop an individual project of your choice that demonstrates the skills you have developed during your high school career. The purpose of capstone is to connect your learning to a personal interest that you believe may be relevant to your post high school interests, goals, and aspirations. Projects can range from personalized cabinetry to storage buildings.

Upon completion of this course, the student will develop a project of their own. Students will utilize all skills learned from previous courses as well as the design process to create a one of a kind personal project. Students will be encouraged to learn new high level skills and collaborate with outside sources to develop their project.

ARCHITECTURAL DRAFTING 8430

Credit: ½

Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: TBD

PATHWAY COURSE: [Construction](#)

COURSE DESCRIPTION: (Level I Engineering/Technology Course) After successful completion of this course, students will have an understanding of how to utilize an architectural scale, design and layout residential structures, and be able to operate a CAD program (Revit). Utilizing a CAD program can help students who want to enter an architectural or engineering career. Other career options will also be explored. Students will demonstrate how to complete several types of drawings, or plans of residential buildings. They will also learn the process of designing a home.

METALS & MANUFACTURING TECHNOLOGIES

8460

Credit: 1

Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: \$20.00

COURSE DESCRIPTION: Metals and Manufacturing is designed to introduce students with several of the major metalworking skill sets used in industry. Through activities and projects, this area of interest will equip high school students with the skills needed to understand what goes on in industry and what is necessary to prepare them for either the work force or next level of education. Experiences include introduction to industry standards regarding safety, machine operation and utilization, design and modeling, teamwork and advanced production. Performance

requirements for this course are based on successful student completion of projects and activities according to the National Institute for Metal-Forming Skills (NIMS) standards. This class is project based and is fun and exciting and can open up new pathways for individuals to pursue other technical classes at Cedarburg. Whether a student is interested in metal technology, machining, computer design and development, engineering, or project construction, this class will provide an excellent introduction to the world of metals and manufacturing industry.

AUTOMATED MANUFACTURING TECHNOLOGIES **8480**

Credit: 1 each Levels: 10, 11 & 12
PREREQUISITE: Metalworking (8460)
APPROXIMATE FEES: \$20.00

COURSE DESCRIPTION: This class builds upon the skills and knowledge from Intermediate Metals. Students will be exposed to more complicated welding assignments where marketable skills is the goal. Assigned projects will follow applications which focus on National Institute for Metal-Forming Skills (NIMS) standards and certification procedures. This course also allows students to apply original design ideas to several of the different CNC/machining projects which they will fabricate in the shop. Students will also explore career opportunities and be provided with options to advance their skills to be successful in private industry, other advanced Cedarburg technology/engineering courses, or school clubs such as Robotics, Formula 1 Race Team, Wisconsin Youth Apprenticeship Program, and many others.

ADVANCED MANUFACTURING & DESIGN CAPSTONE **8499**

Credit: 1 Levels: 11 & 12
PREREQUISITE: Automated Manufacturing Technologies (8480)
APPROXIMATE FEES: \$20.00
PATHWAY COURSE: [Advanced Manufacturing](#)

COURSE DESCRIPTION: (Level III Metal Technologies & Manufacturing Course) The CHS manufacturing design capstone is an event at the end of your high school career which allows you to showcase the skills you have developed in your metalworking and advanced metalworking classes. This is a dynamic class that allows you to develop an individual project of your choice that demonstrates the skills you have developed during your high school career. The purpose of capstone is to connect your learning to a personal interest that you believe may be relevant to your post high school interests, goals, and aspirations.

AUTOMATION & ROBOTICS I **8600**

Credit: ½ Levels: 9, 10, 11 & 12
PREREQUISITE: None
APPROXIMATE FEES: None
PATHWAY COURSE: [Advanced Manufacturing](#)

COURSE DESCRIPTION: (Level I Robotics Course) Automation & Robotics I is a course designed to give students an overview of robotics, mechanisms, motion and automation. In this modular and project-based course students will learn the design process in an engaging, hands-on manner to help challenge, motivate, and inspire their work. As students build they will explore mechanical systems, energy transfer, machine automation, and computer control systems. By moving through an actual engineering project, students quickly understand the relevance of what

they are learning. Using the VEX Robotics® platform, students apply what they know to design and program an automated factory assembly line.

Upon completion of this course students will have an understanding of how to utilize the engineering and design problem solving process. Students will also have an understanding of how to calculate, utilize and describe gear ratios and mechanisms to solve problems.

COLLEGE IED (Introduction to Engineering Design)-PLTW 8510

Credit: 1 Levels: 9, 10, 11 & 12

PREREQUISITE: None; must meet college eligibility requirements to take for college credit.

APPROXIMATE FEES: \$15.00 if not taken for college credit; approximately \$215 for 3 college credits. Significant college credit savings.

NOTE: MSOE course: GE 1002 - Introduction to Engineering Design. Participation in the PLTW program (MSOE) is an individual option and requires a fee for the tuition payable to the university. Participants who successfully complete the course receive three college credits in addition to the high school credit earned if enrolled in.

Colleges and universities across the U.S. recognize and reward PLTW students for their great work. These postsecondary institutions recognize PLTW students with scholarships, admissions preference, course credit, and more.

PATHWAY COURSE: [Advanced Manufacturing](#)

COURSE DESCRIPTION: (Level I Engineering Course) Learn to apply the processes that are used in engineering design. Students will be introduced to the philosophy of technical problem solving. Students will study and practice brainstorming, sketching, geometric solids, measurement, materials, 3D CAD, dimensioning, and isometric drawings. Communication skills, which include sketching, technical drawing, report writing, and presentations will be addressed. Students will work in teams to solve problems that are influenced by consumer, marketing, and technical considerations. This is a hands-on laboratory and computer intensive course that will allow students to experience design and technology issues. Projects include: Puzzle Cube, Custom LEGO brick, Toy Train and Reverse Engineering Display.

ADVANCED AUTODESK INVENTOR 8515

Credit: ½ Levels: 10, 11 & 12

PREREQUISITE: Intro. to Engineering Design

APPROXIMATE FEES: None

COURSE DESCRIPTION: PLTW programs across the United States introduce students to 2D and 3D design skills by teaching them the basic use of the state-of-the-art Autodesk design software. By completing the Advanced AutoCad Inventor course, students can earn an industry-recognized certification known as Autodesk Certified User (ACU). An ACU demonstrates proficiency in Autodesk design skills required for a number of professional careers. ACU certification is the perfect way for students to expand their interest and knowledge in the field of design. Becoming Autodesk certified makes students more attractive to potential employers and better prepares them for their future education and career pursuits. ACU certification confirms students have the skills necessary to continue their design careers-whether they attend college, enter the workforce or work toward additional levels of industry certification after graduation.

Projects include the design and construction of a mechanical toy using the laser engraver and 3D printer.

COLLEGE PRINCIPLES OF ENGINEERING-PLTW **8520**

Credit: 1 Levels: 10, 11 & 12

PREREQUISITE: College Intro. to Engineering Design (IED 8510), or Instructor Permission. Also, concurrently enrolled in a college preparatory math course; must meet college eligibility requirements to take for college credit.

APPROXIMATE FEES: \$15.00 if not taken for college credit; approximately \$215 for 3 college credits. Significant college credit savings.

NOTE: MSOE course: GE 1001 - Principles of Engineering. Participation in the PLTW program (MSOE) is an individual option and requires a fee for the tuition payable to the university.

Participants who successfully complete the course receive three college credits in addition to the high school credit earned if enrolled in. Colleges and universities across the U.S. recognize and reward PLTW students for their great work. These postsecondary institutions recognize PLTW students with scholarships, admissions preference, course credit, and more.

PATHWAY COURSE: [Advanced Manufacturing](#)

COURSE DESCRIPTION: (Level II Engineering Course) Learn to apply math, science, and systems principles that are the basis for engineering. Students will be introduced to the history and disciplines of engineering. Students will study and practice Engineering Systems, Materials, Reliability, and Kinematics. Communication skills, which include sketching, technical drawing, report writing, and presentations will be addressed. Students will work in teams to solve problems that are influenced by financial, social, and environmental considerations. This is a hands-on laboratory and computer intensive course that will allow students to experience business and technology issues.

COLLEGE CIVIL ENGINEERING AND ARCHITECTURE-PLTW **8550**

Credit: 1 Levels: 10, 11 & 12

PREREQUISITE: Intro. to Engineering Design (IED), or Instructor Permission. Also, concurrently enrolled in a college preparatory math course; must meet college eligibility requirements to take for college credit.

APPROXIMATE FEES: \$15.00 if not taken for college credit; approximately \$215 for 3 college credits. Significant college credit savings.

NOTE: MSOE course: GE 1006 - Civil Engineering and Architecture. Participation in the PLTW program (MSOE) is an individual option and requires a fee for the tuition payable to the university.

Participants who successfully complete the course receive three college credits in addition to the high school credit earned if enrolled in. Colleges and universities across the U.S. recognize and reward PLTW students for their great work. These postsecondary institutions recognize PLTW students with scholarships, admissions preference, course credit, and more.

PATHWAY COURSE: [Advanced Manufacturing](#)

PATHWAY COURSE: [Construction](#)

COURSE DESCRIPTION: (Level II Engineering Course) This overview of the fields of civil engineering and architecture emphasizes the inter-relationship and mutual dependence of both

fields. Students use state-of-the-art software to solve real world problems and apply knowledge to hands-on projects and activities. By developing and implementing plans for a playground/park or vacation home for example, students experience firsthand the job responsibilities of architects and civil engineers. By the end of the course, students are able to give a complete presentation to the client including three-dimensional renderings of buildings and improvements, zoning and ordinance constraints, infrastructure requirements, and other essential project plans.

COLLEGE ENGINEERING DESIGN AND DEVELOPMENT-PLTW 8570

Credit: 1 Level: 12

PREREQUISITE: Intro. To Engineering Design (IED) and one other PLTW course

APPROXIMATE FEES: \$15

PATHWAY COURSE: [Advanced Manufacturing](#)

COURSE DESCRIPTION: (Level III Engineering Course) In this capstone course, students work in teams to design and develop an original solution to a valid open-ended technical problem by applying the engineering design process. Students perform research to choose, validate, and justify a technical problem. After carefully defining the problem, teams design, build, and test their solutions while working closely with industry professionals who provide mentoring opportunities. Finally, student teams present and defend their original solution to an outside panel.

WORLD LANGUAGES

Grade 9	Grade 10	Grade 11	Grade 12
German 1 Gr. 9-12. 1 credit			
German 2 Gr. 9-12. 1 credit			
	German 3 Gr. 10-12. 1 credit		
		German 4 Gr. 11-12. 1 credit	
			AP German Gr. 12. 1 credit
French 1 Gr. 9-12. 1 credit			
French 2 Gr. 9-12. 1 credit			
	French 3 Gr. 10-12. 1 credit		
		French 4 Gr. 11-12. 1 credit	
			AP French Gr. 12. 1 credit
Spanish 1 Gr. 9-12. 1 credit			
Spanish 2 Gr. 9-12. 1 credit			
	Spanish 3 Gr. 10-12. 1 credit		
		Spanish 4 Gr. 11-12. 1 credit	
			AP Spanish Gr. 12. 1 credit

Key
Prerequisites
No Prerequisites

FRENCH 1 5110

Credit: 1 Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: \$4 National French Exam (optional, but recommended)

COURSE DESCRIPTION: French 1 is an introduction to the language and culture of French-speaking countries. Lessons in French 1 engage beginning language learners in activities that are embedded in real life contexts and make frequent use of authentic materials produced by and for native French speakers. Activities encompass all three communicative modes (interpersonal, interpretive, and presentational) and provide practice in the skill areas of listening, speaking, reading, and writing. During this course you will learn to obtain, understand, exchange and present basic information. You will be able to ask and answer questions about various topics such as self, family, school activities, leisure activities, and weather. You will connect with other content areas to obtain new and unique perspectives, make basic linguistic and cultural comparisons between your own language and French, and participate in a variety of cultural activities. The majority of class is taught in French at a level appropriate pace.

FRENCH 2 5120

Credit: 1 Levels: 9, 10, 11 & 12

PREREQUISITE: French 1 (5110)

APPROXIMATE FEES: \$4 National French Exam (optional, but recommended)

COURSE DESCRIPTION: French 2 engages students in using the language in activities that are embedded in real life contexts and make frequent use of authentic materials produced by and for native French speakers. Activities encompass all three communicative modes (interpersonal, interpretive, and presentational) and provide practice in the skill areas of listening, speaking, reading, and writing. During this course you will learn to make suggestions, ask and answer increasingly complex questions about a variety of topics, relate orally and in writing a series of present, past and future events, and express opinions and advice. You will read short literary passages (e.g. stories and poems) and write emails and extended responses to reading. You will apply information gathered from authentic French sources for information, entertainment, and personal enrichment, and analyze and explain cultural and linguistic perspectives unique to francophone culture. The majority of class is taught in French at a level appropriate pace. As the year progresses, students are increasingly responsible for using French in class.

FRENCH 3 5130

Credit: 1 Levels: 10, 11 & 12

PREREQUISITE: French 2 (5120)

APPROXIMATE FEES: \$4 National French Exam (optional, but recommended)

COURSE DESCRIPTION: French 3 engages students in fully using the language in activities that are embedded in real life contexts and make frequent use of authentic materials produced by and for native French speakers. Activities encompass all three communicative modes (interpersonal, interpretive, and presentational) and provide practice in the skill areas of listening, speaking, reading, and writing. During this course you will learn to make suggestions, ask and answer increasingly complex questions about a variety of topics, relate orally and in writing a series of past, current, future, and hypothetical events, and express opinions and advice. You will read longer literary passages (short stories) and write emails and extended responses to reading. You

will apply information gathered from authentic French sources for information, entertainment, and personal enrichment, and analyze and explain cultural and linguistic perspectives unique to francophone culture. The class is taught almost exclusively in French and learners are expected to use French at all times in the classroom.

FRENCH 4 **5140**

Credit: 1 Levels: 11 & 12

PREREQUISITE: French 3 (5130)

APPROXIMATE FEES: \$20 for Yabla, \$4 National French Exam (optional, but recommended)

COURSE DESCRIPTION: Students in French 4 engage in language activities that are embedded in real life contexts and make frequent use of authentic materials produced by and for native French speakers. Activities encompass all three communicative modes (interpersonal, interpretive, and presentational) and provide practice in the skill areas of listening, speaking, reading, and writing. During this course you will practice handling increasingly complicated situations or transactions in the francophone cultures by discussing and writing about current, past, future and hypothetical events, reacting to themes, characters and significant details in oral, written, and viewed materials, reporting on expressive products (literature, music, visual arts) and creating stories and skits based on personal experiences and exposure to themes and perspectives from the target culture. You will gather and apply information from authentic resources to research a variety of topics, monitor and discuss current events in the francophone world, and present information about the language and culture to others. Students in this course are eligible to participate in the exchange program with Annecy, France during travel years. The class is taught almost exclusively in French and learners are expected to use French at all times in the classroom.

AP FRENCH LANGUAGE AND CULTURE **5150**

Credit: 1 (Weighted grade) Level: 12

PREREQUISITE: French 4 (5140)

APPROXIMATE FEES: \$20 for Yabla, \$97 for the AP French Examination (optional, but recommended), \$4 National French Exam (optional, but recommended)

COURSE DESCRIPTION: The AP French Language and Culture course takes a holistic approach to language proficiency and recognizes the complex interrelatedness of comprehension and comprehensibility, vocabulary usage, language control, communication strategies and cultural awareness. You learn language structures in context and use them to convey meaning. The AP French Language and Culture course strives to promote both fluency and accuracy in language use. In order to best facilitate the study of language and culture, this course is taught in the target language. Students in this course are eligible to participate in the exchange program with Annecy, France during travel years.

The AP French Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of products, both tangible (e.g., tools, books, music) and intangible (e.g., laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions that underlie both practices and products). The class is taught exclusively in French and learners are expected to use French at all times in the classroom.

GERMAN 1 **5210**

Credit: 1 Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: \$6 National German Exam Fee (optional, but recommended)

COURSE DESCRIPTION: German 1 is an introduction to the language and culture of German-speaking countries. Lessons in German 1 engage beginning language learners in activities that are embedded in real life contexts and make use of authentic materials produced by and for native German speakers. Activities encompass all three communicative modes (interpersonal, interpretive, and presentational) and provide practice in the skill areas of listening, speaking, reading, and writing. During this course you will learn to obtain, understand, exchange and present basic information. You will be able to ask and answer questions about various topics such as self, family, school activities, leisure activities, clothing choices and weather. You will connect with other content areas to obtain new and unique perspectives, make basic linguistic and cultural comparisons between your own language and German. The majority of class is taught in German at a level appropriate pace.

GERMAN 2 **5220**

Credit: 1 Levels: 9, 10, 11 & 12

PREREQUISITE: German 1 (5210)

APPROXIMATE FEES: \$6 National German Exam Fee (optional, but recommended)

COURSE DESCRIPTION: German 2 expands the students' knowledge from German 1. Students engage in using the language in activities that are embedded in real life contexts and make frequent use of authentic materials produced by and for native German speakers. Activities encompass all three communicative modes (interpersonal, interpretive, and presentational) and provide practice in the skill areas of listening, speaking, reading, and writing. During this course you will learn to make suggestions, ask and answer more complex questions about a variety of topics, relate orally and in writing a series of present, future and past events, and express opinions and advice. You will apply information gathered from authentic German sources for information, entertainment, and personal enrichment, and analyze and explain cultural and linguistic perspectives unique to German culture. The majority of class is taught in German at a level appropriate pace. As the year progresses, students are increasingly responsible for using German in class.

Students, who have successfully completed this course, are eligible to participate in Cedarburg's German American Partnership Program.

GERMAN 3 **5230**

Credit: 1 Levels: 10, 11 & 12

PREREQUISITE: German 2 (5220)

APPROXIMATE FEES: \$20 workbook fee, \$6 National German Exam (optional, but recommended)

COURSE DESCRIPTION: German 3 engages students in using the language in activities that are embedded in real life contexts and make frequent use of authentic materials produced by and for native German speakers. Activities encompass all three communicative modes (interpersonal, interpretive, and presentational) and provide practice in the skill areas of listening, speaking,

reading, and writing. During this course you will learn to make suggestions, ask and answer increasingly complex questions about a variety of topics, relate orally and in writing a series of current, future, hypothetical events and past events, and express opinions and advice. You will read longer literary passages (short stories) and write emails, journals, and extended responses to reading. You will apply information gathered from authentic German sources for information, entertainment, and personal enrichment, and analyze and explain cultural and linguistic perspectives unique to the German speaking culture. The class is taught almost exclusively in German and learners are expected to use German at all times in the classroom.

Students, who have successfully completed this course, are eligible to participate in Cedarburg's German American Partnership Program.

GERMAN 4 5240

Credit: 1 Levels: 11 & 12

PREREQUISITE: German 3 (5230)

APPROXIMATE FEES: \$25 for Yabla (online language immersion site), \$6 National German Exam (optional, but recommended)

COURSE DESCRIPTION: Students in German 4 engage in language activities that are embedded in real life contexts and make frequent use of authentic materials produced by and for native German speakers. Activities begin to prepare students for the AP German exam and encompass all three communicative modes (interpersonal, interpretive, and presentational) and provide practice in the skill areas of listening, speaking, reading, and writing. During this course you will practice handling increasingly complicated situations or transactions in the German culture by discussing and writing about current, past, future and hypothetical events, reacting to themes, characters and significant details in oral, written, and viewed materials. You will gather and apply information from authentic resources to research a variety of topics, monitor and discuss current events in the German speaking world, and present information about the language and culture to others. The class is taught almost exclusively in German and learners are expected to use German all times in the classroom.

Students, who have successfully completed this course, are eligible to participate in Cedarburg's German American Partnership Program.

AP GERMAN 5260

Credit: 1 Level: 12

PREREQUISITE: German 4 (5240)

APPROXIMATE FEES: \$25 for Yabla (online language immersion site), \$6 National German Exam (optional, but recommended), \$97 for the AP German Examination (optional, but recommended)

COURSE DESCRIPTION: The AP German Language and Culture course strives to promote both fluency and accuracy in language use. It recognizes the complex interrelatedness of comprehension and comprehensibility, vocabulary usage, language control, communication strategies and cultural awareness.

The AP German Language and Culture course engages students in deeper exploration of six themes of both contemporary and historical contexts: global challenges, science and technology, contemporary life, personal and public identities, families and communities and beauty and aesthetics. The course develops students' awareness and appreciation of products, both tangible (e.g., tools, books, music) and intangible (e.g., laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions that underlie both practices and products).

The primary learning objectives of this course are spoken, written, interpretive and presentational communication. Special emphasis is placed on preparation for the AP German Language and Culture examination which is taken in May. The class is taught exclusively in German and learners are expected to use German at all times in the classroom.

SPANISH 1 **5310**

Credit: 1 Levels: 9, 10, 11 & 12

PREREQUISITE: None

APPROXIMATE FEES: \$6 National Spanish Exam (optional, but recommended)

COURSE DESCRIPTION: Spanish 1 is an introduction to the language and culture of the Spanish-speaking world. Students will begin to obtain tools for developing proficiency in the four modes of communication: listening, speaking, reading, and writing. During this course students will be guided in the language to obtain an understanding of and opportunities to exchange basic information. Students will learn to ask and answer questions regarding the following: introducing and describing self, stating feelings, describing likes and dislikes, stating and describing classes and school environment, describing weather, numbers, telling time, stating the date, describing family, and stating favorite sports and other leisure activities. Basic grammatical structures and cultural pieces are integrated into each unit. The majority of class is taught in the target language at a level appropriate pace.

SPANISH 2 **5320**

Credit: 1 Levels: 9, 10, 11 & 12

PREREQUISITE: Successful completion of Spanish 1 (5310) and/or teacher recommendation

APPROXIMATE FEES: \$6 National Spanish Exam (optional, but recommended)

COURSE DESCRIPTION: Spanish 2 is a continuation of the proficiency-based approach begun in Spanish 1. Students will continue to develop proficiency in the four modes of communication: listening, speaking, reading, and writing. During this course, students will learn to ask and answer increasingly complex questions about a variety of topics, such as travel, daily routine, clothing, food, and more.

Expanded vocabulary and grammar concepts are introduced to further develop students' ability to communicate in the past, present, and future. The majority of class is conducted in Spanish at a level appropriate pace. As the year progresses, students are increasingly responsible for using the target language in class.

SPANISH 3 **5330**

Credit: 1 **Levels:** 10, 11 & 12

PREREQUISITE: Successful completion of Spanish 2 (5320) and/or teacher recommendation

APPROXIMATE FEES: \$6 National Spanish Exam (optional, but recommended)

COURSE DESCRIPTION: Spanish 3 is a course of increased intensity, rigor and expectations that is designed to push learners in the production of Spanish in all four modes of communication. The concepts students gained in Spanish 1 and 2 are essential building blocks as the course presents new and challenging grammatical concepts, cultural comparisons, and deeper thinking to acquire more advanced communication and responses. During this course, students will learn to communicate on a wide variety of topics such as, including health, house and chores, technology, transportation, and more. Students in this level are expected to challenge themselves and bring forth intrinsic motivation in order to be successful in the course. The class is conducted almost exclusively in Spanish and learners are expected to use Spanish at all times in the classroom.

Students, who have successfully completed this course and receive a teacher recommendation, may be eligible to participate in travel to a Spanish-speaking country.

SPANISH 4 **5340**

Credit: 1 **Levels:** 11 & 12

PREREQUISITE: Successful completion of Spanish 3 (5330) and/or teacher recommendation

APPROXIMATE FEES: \$20.00 Yabla (online language immersion site), \$6 National Spanish Exam (optional, but recommended)

COURSE DESCRIPTION: Students in Spanish 4 engage in language activities that are embedded in real life contexts and make frequent use of authentic materials produced by and for native Spanish speakers. Activities encompass all three communicative modes (interpersonal, interpretive, and presentational) and provide practice in the skill areas of listening, speaking, reading, and writing. During this course students will practice handling increasingly complicated situations or transactions in the hispanophone cultures by discussing and writing about current, past, future and hypothetical events, reacting to themes, characters and significant details in oral, written, and viewed materials, reporting on expressive products (literature, music, visual arts) and creating stories and skits based on personal experiences and exposure to themes and perspectives from the target culture. Students will gather and apply information from authentic resources to research a variety of topics, monitor and discuss current events in the hispanophone world, and present information about the language and culture to others..The class is taught almost exclusively in Spanish and learners are expected to use Spanish at all times in the classroom.

Students, who have successfully completed this course and receive a teacher recommendation, may be eligible to participate in travel to a Spanish-speaking country.

Credit: 1 (Weighted grade) **Level:** 12

PREREQUISITE: Spanish 4 (5340)

APPROXIMATE FEES: \$45 for workbook, \$20.00 for Yabla (online language immersion site), \$97 for the AP Spanish Examination (optional, but recommended), \$6 National Spanish Exam (optional, but recommended)

COURSE DESCRIPTION: AP Spanish is a college-level course designed for highly motivated students that are interested in refining speaking, listening, reading and writing skills in the target language. The course includes a review of previously acquired grammatical concepts. Students will be exposed to a wide variety of authentic print and auditory sources to which they will respond and/or react by speaking or in writing. Special emphasis is placed on 6 thematic units including: global challenges, science and technology, contemporary life, personal and public identities, families and communities and beauty and aesthetics, that will prepare students to take the AP Spanish Language and Culture Examination. The AP Spanish Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of products, both tangible (e.g., tools, books, music) and intangible (e.g., laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions that underlie both practices and products). The class is taught exclusively in Spanish and learners are expected to use Spanish at all times in the classroom.

Students, who have successfully completed this course and receive a teacher recommendation, may be eligible to participate in travel to a Spanish-speaking country. Outgoing seniors will not be eligible to travel as the trip will occur during summer.