

# OCONTO HIGH SCHOOL



## **COURSE DESCRIPTION AND ACADEMIC & CAREER PLANNING GUIDE**

**2020 - 2021**

**Where a Proud Tradition of Excellence  
is the Foundation of Our Future**

Dear Students, Parents, and Staff:

This is the *Course Description and Academic & Career Planning Guide*. It has been prepared to provide students and parents with information about career planning and the course offerings for the upcoming school year. By also including career information, the decisions on course selection can serve as an important step in planning a successful and meaningful high school program and eventual career. ALL students need to have the opportunity to pursue post-secondary options as well as successful world of work experiences. Many exciting course opportunities exist at the high school level to help prepare all students for their future.

Learning is a developmental process, beginning at birth and continuing through the lifespan. When our children enter elementary school, we often ask the question, “What do you want to be when you grow up?” Encouraging this same type of personal assessment is very important to continue through middle school and into high school. It is understood that the selection of a career may change, even for adults. What is important is that an on-going focus on assessing career interests helps to make education meaningful for students. Courses can then be selected based upon how they support personal career plans.

You can assist your student by:

1. Discussing strengths and weaknesses that you see in him or her. This helps your student better identify his/her interests, abilities and talents.
2. Helping with the course selection process.
3. Sharing information with him or her about careers and your work experiences.
4. Making arrangements for your student to talk to other knowledgeable people about careers that are of interest to him or her.
5. Helping to arrange job and/or class shadowing experiences if your student shows interest and wants a “real world” experience.

For the upcoming school year guidelines will continue to be enforced regarding the number of students needed in order to offer courses. Once students register for courses, there will be only limited opportunity for change because the district assigns staff based upon these initial course enrollments. In addition, certain courses may not be able to be offered once final staffing and budget decisions are made. Please choose your courses carefully. Ask staff to help you. This book, containing information on courses and career planning, is a pathway for your future. If you have any questions and/or concerns, we welcome your phone calls at school. The phone number is (920) 834-7812 x1150.

With best wishes for a successful year,

Adam DeWitt, Principal

Matt Hartin, Associate Principal

Sarah Learst, School Counselor

*The Oconto Unified School District does not discriminate on the basis of race, color, religion, national origin, ancestry, creed, pregnancy, marital status, parental status, sexual orientation, sex, (including transgender status, change of sex or gender identity), physical, mental, emotional, or learning disability, or the Boy Scouts of America membership ("Protected Classes") in any of its curricular, co-curricular, pupil services, recreational, student programs and activities, in the acceptance and administration of gifts, grants, bequests, scholarships and other aids, or benefits and services to students. This policy also prohibits discrimination as defined by Title IX of the Educational Amendments of 1972 (sex), Title VI of the Civil Rights Act of 1964 (race and national origin), and Section 504 of the Rehabilitation Act of 1973 (handicap).*

## TABLE OF CONTENTS

Basic Scheduling Information.....	3 -11
Course Descriptions	
Art Department.....	12 - 15
Business Department.....	15 - 16
Computer Science Department.....	17 - 19
English Department.....	20 - 23
Foreign Language Department.....	23 - 24
Mathematics Department.....	24 - 28
Music Department.....	28 - 29
Physical Education / Health Department.....	29 - 30
Science Department.....	30 - 35
Social Studies Department.....	33 - 38
Technology Education Department.....	39 - 43
Additional Courses.....	44
Distance Learning Courses.....	44 - 45

## OCONTO HIGH SCHOOL GRADUATION REQUIREMENTS

Subject	Credits
<b>English (must earn 1 cr. each in English 9 and English 10)</b>	<b>4</b>
<b>Social Studies</b>	<b>3</b>
<b>Science (must earn 1 cr. in Biology or Human Biology)</b>	<b>3</b>
<b>Math (must earn 1 cr. in Algebra I)</b>	<b>3</b>
<b>Physical Education (*see page 3)</b>	<b>1.5</b>
<b>Health</b>	<b>0.5</b>
<b>Computer Literacy</b>	<b>0.5</b>
<b>Careers &amp; Personal Finance</b>	<b>0.5</b>
<b>Electives</b>	<b>8</b>
<b>TOTAL</b>	<b>24</b>

### FOUR YEAR PLAN

it is beneficial to think ahead and plan out the four years of high school. The following is a suggested plan:

#### Freshmen (7.0 credits required)

English 9	1
Social Studies (World History)	1
Science	1
Math	1
Health	0.5
Computer Literacy	0.5
Physical Education	0.5
Electives	1.5

---



---



---

#### Sophomores (7.0 credits required)

English 10	1	
Social Studies (US History)	1	
Science	1	
Math		1
Careers & Personal Finance	0.5	
Physical Education	0.5	
Electives	2.0	

---



---



---

#### Juniors (7.0 credits required)

English	1
Social Studies(World Hist. & Gov.)	1
Science	1
Math	1
Physical Education	0.5
Electives	2.5

---



---



---

#### Senior (7.0 credits suggested)

English	1
Recommend more Social Studies courses	
Recommend more Science courses	
Recommend more Math courses	
Electives	6

---



---



---

## **SCHEDULING**

Credit for all courses at Oconto High School is on a semester basis. All courses receive 0.50 credit per semester, unless otherwise noted in their description. Those classes listed with an asterisk (\*) count as a college preparatory credit.

1. We encourage all students to explore courses in all areas regardless of stereotypical beliefs about traditional male and female roles.
2. The school has the authority to select the periods that a student will take a class and the teacher for the class.
3. Since all courses have enrollment ceilings, the requests of seniors are given priority over juniors and juniors over sophomores, and so on.
4. Students are required to take a minimum of seven classes each semester, unless an exception is approved by administration. Fifth year students may take only the number of classes needed to meet graduation requirements.
5. Students who will have completed all graduation requirements by the end of their seventh semester are eligible to apply for an exemption from attending the eighth semester. A written request must be given to the Student Services Department or principal by September 30<sup>th</sup> of the student's senior year.
6. \*Beginning with the incoming freshman Class of 2017, students may utilize Wis. Stat. sec.118.33 (1) (e), for one-half Physical Education credit.

## **POLICY FOR AWARDING CREDIT FOR ALGEBRA I AND ALGEBRA II LEVEL COURSES**

### **ALGEBRA I LEVEL COURSES**

OHS offers several ways to earn credit to fulfill the graduation requirement of one (1) credit in Algebra I.

- Successful completion of the 8<sup>th</sup> grade Algebra I course taught at Oconto Middle School (or other accredited transfer middle school or junior high). High school credit will be earned and added to the OHS transcript, but no grade points will be earned toward the OHS grade point average.
- Successful completion of either Algebra I or Advanced Algebra I taught at Oconto High School (or other accredited transfer middle school or junior high).
- If not successfully completed as a course at OHS, the student may earn credit through successful completion of the course taught through OHS summer school or credit recovery programs.

If a middle school Algebra student decides to retake Algebra I or Advanced Algebra I at the high school level, those students cannot receive credit again for retaking the course. Therefore, for those repeating the course, the middle school course and grade will be noted on their OHS transcript, but no credit will be awarded. The math credit and grade points will be awarded upon successful completion of the high school Algebra I or Advanced Algebra I course.

### **ALGEBRA II LEVEL COURSES**

Oconto High School offers several ways for a student to earn credit for a second year Algebra II level course. Only one course may be completed for high school credit.

- Successful completion of the Challenge Advanced Algebra II course.
- Successful completion of the Advanced Algebra II course.

- Successful completion of the Intermediate Algebra with Applications course. This course is worth one (1) credit from OHS and if completed with a final grade of “C” or higher, a student will also earn four (4) credits from Northeast Wisconsin Technical College.

In some special circumstances, an OHS student who has already successfully completed either Advanced Algebra II or Challenge Advanced Algebra II, may request to take Intermediate Algebra with Applications in order to earn the NWTC credit. If this request is granted by the OHS administration, and the course is successfully completed, NO credit or grade points will be awarded by OHS, only by NWTC, as the student has already earned Algebra II level credit from OHS. Additionally, since the student is not earning OHS credit, Intermediate Algebra with Applications must be a student’s seventh (7<sup>th</sup>) course, so that the student is still a full-time student with six (6) credit-bearing courses at OHS.

### **CHALLENGE PROGRAM (HONORS)**

This program provides an opportunity for students who are gifted and talented in an academic area to participate in a more in-depth learning environment. Challenge classes emphasize greater student involvement in all areas of learning, with special opportunities for creative and mature approaches to academics.

The Challenge Program concludes with classes during the senior year that provide an opportunity for students to receive college credit for advanced skills and knowledge in an academic area. Also, students who establish a record of excellence in the Challenge Program may earn accelerated grades above the traditional 4.00 for specific classes. Honor grades will extend the grading scale for Challenge Program classes to a 5.00 scale.

Enrollment in a Challenge Program class however, does not guarantee honor grades. Students must maintain a C average or better for each semester in order to remain in Challenge Program classes. Students earning less than a C should meet with the school counselor and teacher to discuss a schedule change at the end of the semester.

Students who are nominated for the Challenge Program will be assessed for admission to the program, and those individuals who demonstrate the necessary abilities and aptitudes will be notified prior to scheduling.

### **COLLEGE CREDIT OPPORTUNITIES**

The Oconto Unified School District provides a number of opportunities for motivated students to earn college credit. There are many reasons a high school student would want to consider taking these courses, such as: challenging curriculum, the ability to explore possible career areas, opportunities to acquire the skills and habits for college success, and financial savings.

College credit can be earned through the Early College Credit, Start College Now, Distance Learning, and Youth Apprenticeship Programs, as well as College Credit in High School, Advanced Standing, Transcribed Credit, and Advanced Placement courses.

## **EARLY COLLEGE CREDIT PROGRAM (ECCP)**

The Early College Credit Program allows coursework to be taken through UW colleges or universities, private non-profit institutions of higher education, and tribally-controlled colleges. These courses may be taught on the college campus or online by college instructors. Students earn high school and college credit upon successful completion of the courses. The program includes fall, spring, and summer semesters and is open to students in grades 9 - 12. Applications are available in the Student Services Office and must be submitted by the following deadlines:

- Fall Semester - March 1st
- Spring Semester - October 1st
- Summer Semester - February 1st

Please see application for program guidelines and information. If approved, the cost of the courses are covered by the district. In the event that a student does not complete or fails a course, the student/family will be billed for the cost of the course.

For courses taught at a college/university or online by college instructors, please see the course schedule of the college/university. To be eligible, courses must not be comparable to courses offered at Oconto High School.

## **START COLLEGE NOW (SCN)**

Start College Now provides challenging learning opportunities for qualified high school juniors and seniors. It gives students the opportunity to take college courses through Wisconsin Technical Colleges. Students earn high school and technical college credit for successfully completed courses. The program includes fall and spring semesters. Applications are available in the Student Services Office and must be submitted by the following deadlines:

- Fall Semester - March 1st
- Spring Semester - October 1st

Please see application for program guidelines and information. If approved, the cost of the course and required textbooks/materials is covered by the district. In the event that a student does not complete or fails a course, the student/family will be billed for the cost of the course. To be eligible for the Start College Now program, courses must not be comparable to courses offered at Oconto High School.

## **DISTANCE LEARNING PROGRAM**

The Distance Learning Program gives students the opportunity to take courses through Northeast Wisconsin Technical College in the comfort and convenience of the school day at Oconto High School. These courses are offered through the Start College Now program. Distance Learning courses allow students and instructors to see and hear each other in real time using interactive web-conferencing. Students connect with NWTC instructors and other high school students around the state during the regular school day. Students are encouraged to sign up for distance learning classes, but they must understand the following:

1. Once a student commits to a distance learning class, he/she is obligated to follow the drop deadline and will be charged the late drop fee or the cost of the course if dropped after the deadline.
2. Semester classes may be moved from one semester to another. Students who sign up for a semester class must be flexible to change that class to the opposite semester, if needed.

3. Enrollment in a distance learning class requires a special commitment. Students must be able to work independently, in addition to exercising good judgment in the area of conduct. Students and parents will sign a contract agreeing to follow the rules and regulations.
4. The principal must approve all student requests for distance learning coursework.
5. Students **MUST** attend a mandatory informational distance learning orientation meeting.

### **UW-GREEN BAY COLLEGE CREDIT IN HIGH SCHOOL (CCIHS) PROGRAM**

The College Credit in High School program is a dual credit program where students earn both high school and college credit for a class. UW-Green Bay offers college credit courses within Oconto High School and provides opportunities for academically qualified high school students to engage in college-level learning experiences. Courses are taught by qualified and approved high school faculty, students pursue rigorous advanced subjects and earn college credit upon successful completion.

Oconto High School offers the following CCIHS courses:

- AP Chemistry: CHEM 211, 213 – Principles of Chemistry I and Lab (5 credits)
- AP Physics: PHYSICS 103 – Fundamentals of Physics (5 credits)
- Careers and Personal Finance: FIN 282 - Personal Financial Planning (3 credits)

### **NWTC TRANSCRIBED CREDIT**

Transcribed credit courses are college, university, or technical college courses taught by high school teachers with higher education certifications and/or credentials. College-level curriculum and assessments are used. Grades earned in these courses are posted on the students' high school and college transcripts and become part of students' official college records. Transcribed credit is often transferable to other colleges and universities. Students should check with their intended college or university for transfer policies.

Oconto High School currently offers the following transcribed credit courses:

- English Composition 1 (10-801-136) - 3 credits
- Oral/Interpersonal Communication (10-801-196) - 3 credits
- Intermediate Algebra with Applications (10-804-118) - 4 credits
- Photography-Digital (10-203-104) - 3 credits
- Marketing Principles (10-104-110) - 3 credits
- Organizing Your Small Business (10-145-185) - 3 credits
- Accounting I (10-101-110) - 4 credits
- Welding: Gas Metal Arc Welding 1 (31-442-348) - 1 credit, Gas Tungsten Arc Welding 1 (31-442-359) - 1 credit, and Shielded Metal Arc Welding 1 (31-442-342) - 1 credit
- Graphic Art & Design II/Illustrator Fundamentals: Digital Illustrator (10-111-161) - 3 credits
- Automation I: Control Logic (10-664-100) - 1 credit and Automation II: Motor Control (10-664-101) - 1 credit
- Mechanical AutoCAD: Computer Aided Drafting (10-606-113) - 2 credits
- NWTC CNC Programming & Manual Machining: Intro to CNC Milling Operation (31-420-336) - 1 credit and Intro to CNC Turning Operation (10-420-100) - 1 credit
- Microsoft Word, PowerPoint, and Excel: Micro: Word - Intro (10-103-121) - 1 credit, Micro: PowerPoint - Intro (10-103-151) - 1 credit, and Micro: Excel - Intro (10-103-131) - 1 credit
- Microsoft Access and Outlook: Micro: Access - Intro (10-103-141) - 1 credit and Outlook (10-103-161) - 1 credit

## **BELLIN COLLEGE HEALTHCARE 100**

As a major employer in the area, Bellin Health Oconto Hospital has partnered with Oconto High School to provide opportunities to students interested in healthcare careers. This is a unique 12-week course which provides:

- An overview of health care delivery
- Job shadow experiences in a variety of health care careers
- An Emphasis on viewing health care as a business

Participants are enrolled as Bellin College students, and upon successful completion of the course, the students receive high school credit and three general education college credits from Bellin College.

## **ADVANCED STANDING**

Advanced Standing courses are taught by high school teachers using high school curriculum determined to be a close match to an NWTC course. A student must earn a grade of “B” or better to receive Advanced Standing. Advanced Standing courses may earn a student the opportunity to skip an introductory level course in their program and advance to the next level. Advanced Standing agreements are transferable to all schools within the WI Technical College System.

Oconto High School currently offers the following advanced standing courses:

- OHS AP Chemistry - Advanced Standing NWTC General Chemistry (10806134) - 4 credits
- OHS AP Physics - Advanced Standing NWTC General Physics (10806154) - 4 credits

## **ADVANCED PLACEMENT (AP)**

Advanced Placement (AP) courses are taught by high school teachers using AP approved curriculum. At the completion of the course, a student can choose to take the AP standardized exam. Earning the benchmark score on the exam makes the student eligible for advanced standing and/or college credit. There is a cost associated with the exam. Oconto High School currently offers the following AP courses:

- AP English 12 - English Literature and Composition
- AP Calculus
- AP Physics
- AP Chemistry
- AP Biology
- AP American History

## **YOUTH APPRENTICESHIP PROGRAM/CO-OP**

- 3 credits (per year)
- Open to juniors and seniors (beginning summer after sophomore year)
- A one or two-year program.

Youth apprenticeships are available in the following areas: Business, Agriculture, Auto Technology, Auto Collision, Finance, Health, Information Technology, and Printing. The student is exposed to the interview process, and if chosen, will work at that site for one or two years. In addition, related instruction specific to the skills needed in these areas are taught by NWTC or private sector individuals.

In addition to credits towards graduation, students receive a Certificate of Occupational Proficiency from the Governor's Work-Based Learning Board and advanced standing in their program at technical colleges around the state. To sign up for this program please contact the Student Services Office for an application.

**NOTE:** Students who apply need to sign up for a normal load of classes at OHS. When accepted into the program, your OHS class schedule will be modified.

## **EMPLOYABILITY SKILLS PROGRAM**

The Employability Skills Program is available to juniors and seniors with the intent of providing a focus on improving the "soft" skills that are necessary in all employees on the job. The employability skills in this program have been identified through the U.S. Department of Labor's Secretary's Commission on Achieving Necessary Skills (SCANS) in partnership with educators, business, and industry and labor representatives.

In order to participate in these programs, students are responsible for the following:

- Completing an application through the Student Services Office
- Securing employment at a credible work site
- Obtaining a work permit
- Maintaining attendance and grades
- Abiding by the rules of the employer and school-to-work group
- Students will only be excused for attendance for scheduled work experience during that time. This means, for example, if they have an 8<sup>th</sup> hour study hall they can only be excused from attending the 8<sup>th</sup> hour study hall if they are actually working during that time.

The student will be monitored regularly with visits by staff to the work site to review progress with the employer/supervisor, as needed. Employers will complete a work site evaluation for a pass/fail grade. One-half (0.5) credit will be awarded each semester for completion of this program.

## **INDEPENDENT STUDY COURSES**

Under certain specific conditions, a student may be allowed to take a course as an Independent Study. The student must be academically strong and permission must be received from the course instructor AND high school principal. See the Student Services Office for more information.

## **POST HIGH SCHOOL PLANNING**

Most occupations will require some form of schooling beyond high school. Students should also have a basic knowledge of the capabilities of a computer and possess some ability to use computers for self-instruction.

Whether your plans include additional education, immediate employment, or military service, you should keep in mind the following factors that post high school admission personnel and employers generally consider:

1. **Attendance** and **tardy** records.
2. The quality of the student's course selection and completion.
3. The results of scholastic **aptitude** and **achievement** tests.
4. **Activities**, both in and out of school.
5. The personal **recommendations** of your principal, counselor, and teachers.
6. High school **scholastic record** as reflected in terms of Grade Point Average (GPA), class rank, and rigor of program.

Students and parents should give serious consideration to the selection of courses. Taking classes that are the easiest, or classes that your friends are taking, or avoiding a class because the teacher has a reputation for being hard, are not the wisest reasons for course selections.

Remember, high school classes should provide you with a broad background of knowledge that will allow you to function in tomorrow's world. The required classes should give you the basic background necessary for success. Your classes should provide you with concentrated study in the area(s) that match your future goals. Whether you plan on working full-time after high school or continuing your education at a post-secondary institution, make the decision to positively apply yourself to completing your high school program and open the door to a bright future with many possibilities.

### **STUDENTS PLANNING FOR POST SECONDARY EDUCATION**

Students planning to attend either a technical college or a university must pay very careful attention to admission requirements when selecting high school courses. Depending on the college, the requirements may be more than the minimum requirements needed to graduate from high school. *Admission requirements vary considerably depending upon the college or university that the student plans to attend and the major field of study that he/she plans to pursue. It is essential that students and parents check specific college entrance requirements.* ACT/SAT test scores are required by the majority of colleges/universities.

### **CLASS RANK**

Students and parents should be certain to check the specific rank-in-class requirements for each individual post-secondary school of their choice, as there are certain variations from campus to campus. For example, the University of Wisconsin campuses usually require students to rank in at least the top 50% of the class. Some campuses are more selective with the majority of their students ranking in the top 25% of the class. The University of Wisconsin 2-year campuses will accept students in the top 75% of the class. In some cases, a lower class rank will be accepted in combination with ACT/SAT scores.

Most of the twenty-one independent colleges in Wisconsin require a rank in the top 50% of the class. Again, there is some variation in this requirement for the individual campuses so students should consult their high school counselor or college admissions counselor for specific requirements.

The following is a sample of admission standards at various institutions:

## **SAMPLES OF ADMISSION STANDARDS**

<b>University of Wisconsin System</b>		<b>Wisconsin's Technical Colleges</b>																															
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><b>Subject</b></th> <th style="text-align: left;"><b>Credits</b></th> </tr> </thead> <tbody> <tr> <td>English</td> <td>4</td> </tr> <tr> <td>Mathematics</td> <td>3-4</td> </tr> <tr> <td style="padding-left: 20px;">Algebra I</td> <td></td> </tr> <tr> <td style="padding-left: 20px;">Geometry</td> <td></td> </tr> <tr> <td style="padding-left: 20px;">One upper level course</td> <td></td> </tr> <tr> <td>Science</td> <td>3-4</td> </tr> <tr> <td>Social Studies</td> <td>3-4</td> </tr> <tr> <td>College Prep Electives</td> <td>4</td> </tr> <tr> <td style="padding-left: 20px;">From above or foreign language, fine arts, computer science and other academic areas</td> <td></td> </tr> </tbody> </table> <p>Some universities have slightly different requirements.</p>	<b>Subject</b>	<b>Credits</b>	English	4	Mathematics	3-4	Algebra I		Geometry		One upper level course		Science	3-4	Social Studies	3-4	College Prep Electives	4	From above or foreign language, fine arts, computer science and other academic areas		<p>Technical college programs have admission standards. Some programs have a waiting list. Apply early and seek your counselor's advice regarding program. The following are <u>recommended</u> high school courses for adequate preparation for technical college programs. Some programs require an ACT test.</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><b>Subject</b></th> <th style="text-align: left;"><b>Credits</b></th> </tr> </thead> <tbody> <tr> <td>English</td> <td>4</td> </tr> <tr> <td>Mathematics</td> <td>3</td> </tr> <tr> <td>Science</td> <td>3</td> </tr> <tr> <td>Social Studies</td> <td>3</td> </tr> <tr> <td>Technical Courses</td> <td>3-4</td> </tr> </tbody> </table>	<b>Subject</b>	<b>Credits</b>	English	4	Mathematics	3	Science	3	Social Studies	3	Technical Courses	3-4
<b>Subject</b>	<b>Credits</b>																																
English	4																																
Mathematics	3-4																																
Algebra I																																	
Geometry																																	
One upper level course																																	
Science	3-4																																
Social Studies	3-4																																
College Prep Electives	4																																
From above or foreign language, fine arts, computer science and other academic areas																																	
<b>Subject</b>	<b>Credits</b>																																
English	4																																
Mathematics	3																																
Science	3																																
Social Studies	3																																
Technical Courses	3-4																																
<p><b><u>Nation's Top Universities</u></b></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><b>Subject</b></th> <th style="text-align: left;"><b>Credits</b></th> </tr> </thead> <tbody> <tr> <td>English Language Arts*</td> <td>4</td> </tr> <tr> <td>Mathematics</td> <td>3-4</td> </tr> <tr> <td>Science</td> <td>3-4</td> </tr> <tr> <td>Social Studies**</td> <td>3-4</td> </tr> <tr> <td>Foreign Language***</td> <td>3-4</td> </tr> </tbody> </table> <p>* Intensive work in writing  ** Includes American &amp; European History  *** At least one foreign language</p> <p>Best preparation includes the above taken at the Honors or AP level when possible.</p> <p>ACT or SAT test</p>		<b>Subject</b>	<b>Credits</b>	English Language Arts*	4	Mathematics	3-4	Science	3-4	Social Studies**	3-4	Foreign Language***	3-4	<p><b><u>Wisconsin's Private Universities</u></b></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><b>Subject</b></th> <th style="text-align: left;"><b>Credits</b></th> </tr> </thead> <tbody> <tr> <td>English Language Arts</td> <td>4</td> </tr> <tr> <td>Mathematics</td> <td>3-4</td> </tr> <tr> <td>Science</td> <td>3-4</td> </tr> <tr> <td>Social Studies</td> <td>3-4</td> </tr> <tr> <td>Foreign Language</td> <td>2-4</td> </tr> </tbody> </table> <p>Either ACT or SAT scores  Strong academic record with preference given to students taking challenging courses.</p> <p>Decisions based primarily on the high school record with emphasis placed on grades earned within the context of courses taken.</p>		<b>Subject</b>	<b>Credits</b>	English Language Arts	4	Mathematics	3-4	Science	3-4	Social Studies	3-4	Foreign Language	2-4						
<b>Subject</b>	<b>Credits</b>																																
English Language Arts*	4																																
Mathematics	3-4																																
Science	3-4																																
Social Studies**	3-4																																
Foreign Language***	3-4																																
<b>Subject</b>	<b>Credits</b>																																
English Language Arts	4																																
Mathematics	3-4																																
Science	3-4																																
Social Studies	3-4																																
Foreign Language	2-4																																

## **COURSE DESCRIPTIONS**

On the following pages you will find the course name followed immediately by the course number (semester 1 number/semester 2 number), length of course, whom courses are open to, any prerequisites, and course descriptions. Please note that where you find only one course number behind a given course, it applies to either semester. Placement in that course will be determined by the number of students electing to take that course.

## **ART**

*Art classes give students opportunities to express their ideas creatively and gain personal satisfaction through individual accomplishment. We encourage all students to explore courses in all areas regardless of stereotypical beliefs about traditional male and female roles.*

### **ART FOUNDATIONS - 7825**

- **One semester (offered both 1st & 2nd semester). Students may take ONLY one semester, and then move on to other art courses, such as Drawing or Ceramics**
- **This course is open to freshmen, sophomores, juniors and seniors**

**Prerequisite: None**

This is an introductory art course in which the elements and principles of art will be stressed and practiced in two and three-dimensional forms. Areas covered will be drawing, color, painting, printmaking, and ceramics.

### **DRAWING I - 7576**

- **One semester**
- **This course is open to sophomores, juniors and seniors**

**Prerequisite: Art Foundations**

This course will instruct students in all styles of drawing including contour, gesture, figure, perspective, and imaginative. Students will solve various problems through the use of various media: pencil, charcoal, pen, and ink.

### **DRAWING II - 7577**

- **One semester**
- **This course is open to juniors and seniors**

**Prerequisite: Drawing I and consent of instructor**

This course will explore pen and ink, wash drawing, scratch board, mixed media, as well as colored pencil and oil pastel. Further development of gesture, figure, still life and nature drawing will be stressed.

### **CARTOON ART – 7555**

- **One semester**
- **This course is open to freshmen, sophomores, juniors and seniors**

**Prerequisite: Art Foundations**

This course will explore drawing and writing to create stories or develop the points of an idea. Topics covered will be principles of cartooning, drawing and developing characters, history of cartooning, tools and colors in cartooning.

### **PAINTING - 7600**

- **One semester**
- **This course is open to sophomores, juniors and seniors**

**Prerequisite: Drawing I**

This course will deal with the medium of painting watercolor, tempera and acrylic. The understanding of color theory, subject matter, and composition of paintings will be covered.

### **CERAMICS - 7650**

- **One semester**
- **This course is open to sophomores, juniors and seniors**
- **Students are responsible for purchasing materials for projects**

**Prerequisite: Art Foundations**

This course will take the student through the history, terminology, and techniques of hand building, throwing on the wheel and glazing of pottery. Function, design and creativity will be stressed to solve the problems of pottery construction.

### **ADVANCED CERAMICS – 7651**

- **One semester**
- **This course is open to juniors and seniors**
- **Students are responsible for purchasing materials for projects**

**Prerequisite: Ceramics and consent of instructor**

This course will stress wheel throwing concentrating on functional pottery; including sets of mugs and bowls, bowls with covers, and bottle shapes. Hand building will be covered as well as ceramic sculpture with an emphasis on large pieces.

### **ADVANCED ART FOUNDATIONS - 7752**

- **One semester**
- **This course is open to sophomores, juniors and seniors**

**Prerequisites: Art Foundations and Drawing**

This class is designed for the student who enjoys working in a variety of media. Emphasis will be on advanced techniques and a search for personal style while studying various artists and their techniques.

### **CALLIGRAPHY – 7725**

- **One semester**
- **This course is open to sophomores, juniors and seniors**
- **Students are responsible for purchasing materials for projects**

**Prerequisite: None**

This course will introduce the student to the art of lettering with a pen. Beginning with single letters and monograms, the student will progress to the 4 major letter styles: Roman Round Hand, Gothic, Uncial, and Chancery Cursive.

### **GRAPHIC ART & DESIGN – 7701**

- One semester
- This course is open to freshmen, sophomores, juniors and seniors
- Students are responsible for purchasing materials for personal projects

**Prerequisite: None**

This course will instruct students in graphic design production. Adobe Illustrator will be used to develop skills in typography, layout and design, paste-up, process photography, finishing operations, and planning and estimating. Emphasis is on successfully completing orders from the community, organizations, and clubs. Projects may include clothing, mugs, stickers, window decals, hats, plates, banners, posters, etc.

### **GRAPHIC ART & DESIGN II / ILLUSTRATOR FUNDAMENTALS: - 7702**

- One semester
- This course is open to juniors and seniors
- Students are responsible for purchasing materials for personal projects
- If this course is successfully completed with a grade of C or higher, students can receive three credits from NWTC

**Prerequisite: Graphic Art and Design I and consent of instructor**

This course (NWTC #10-111-161) will instruct students in the Macintosh Illustration course. Students will investigate this work area, understand selecting and aligning, work with creating and editing shapes, learn how to transform objects, work with pen and pencil tools, understand color and painting, understand layering, learn about perspective, understand how to use blends and brushes, and investigate how to apply effects. Projects will be assigned to build the student's graphic design portfolio in preparation for assessments or employment.

### **DIGITAL PHOTOGRAPHY – 7676**

- One semester
- Open to sophomores, juniors and seniors
- If this course is successfully completed with a grade of C or higher, students can receive three credits from NWTC

**Prerequisite: None**

This course (NWTC #10-203-104) will cover capturing digital images, exposure, shutter speed, aperture, composition, camera operations, lenses, lighting, camera accessories, types of photography, photo challenges, importing, editing, and storing images. Access to a digital camera is required. DSLR is preferred, but point and shoot cameras will be accepted.

### **ART DECO - 7560**

- One semester
- This course is open to freshmen, sophomores, juniors, and seniors
- Students are responsible for purchasing some materials for projects

**Prerequisite: None**

In this course students will learn about functional art: artwork created for both use and decoration. It may include working with metal/foil, wood, glass painting, textiles, interior design, plaster, wallpaper/scrapping, and furniture.



### ART DECO II - 7561

- One semester
- This course is open to sophomores, juniors, and seniors
- Students are responsible for purchasing some materials for projects

**Prerequisite:** Art Deco

In this course students will learn about functional art - artwork created for both use and decoration. It may include, repurposing items, found items, plaster, glass fusing, and other decorating materials.

## BUSINESS

*Business courses prepare students for entry into and advancement in jobs within business, and equally important, they prepare them to function intelligently as consumers and citizens in a business economy. We encourage all students to explore courses in all areas regardless of stereotypical beliefs about traditional male and female roles.*

### CAREERS & PERSONAL FINANCE - 5353

- One semester
- This course is required and open to sophomores, juniors, and seniors
- **If this course is successfully completed, students can receive three credits from UW-Green Bay**

**Prerequisite:** None

In compliance with the 2017 Wisconsin requirement for (ACP) Academic and Career Planning and the growing awareness that students need education in personal finance, Oconto High School has developed a sophomore class that will combine career planning with personal financial education. Our goal is to give each student a personal analysis of their skills, interests, personality traits, strengths, challenges and educational goals so that they can make informed academic and career path choices. In addition, students will explore careers to gain an understanding of what is required for each career path.

In regard to personal finance, students will be utilizing a real-world simulation of budgeting, saving, investing, credit, interest and how to pay and manage bills. They will learn the consequences of late payments and poor choices as well as the rewards of good planning and maintaining a budget.

In addition, students will have to design a resume, cover letter and practice interview skills. They will be given the tools to research colleges, financial aid, cost analysis, as well as job search skills for those directly entering the workforce.

If interested, students may earn college credit for successful completion through UW-Green Bay. Students earn three UWGB credits for FIN 282 - Personal Financial Planning. **Reduced rate tuition fees apply for all UW-Green Bay credit courses.**





### ACCOUNTING I - 5021/5022

- Two semesters
- Open to juniors and seniors
- **If this course is successfully completed with a grade of C or higher, students can receive four credits from NWTC**

**Prerequisite: None**

This course (NWTC #10-101-110) is designed for students interested in business and the ability to interpret important information. Financial accounting examines accounting concepts, the accounting model, measurement processes, financial statements, financial analysis, the accounting cycle, monetary and fixed assets, inventory, current and long-term liabilities and equity structures of partnerships, proprietorships and corporations.

### ORGANIZING YOUR SMALL BUSINESS – 5202



- One semester
- Open to juniors and seniors
- **If this course is successfully completed with a grade of C or higher, students can receive three credits from NWTC**

**Prerequisite: None**

This course (NWTC #10-145-185) provides the opportunity for the learner to develop the knowledge skills process and understanding of the components of small business ownership by examining available resources, identifying trends and opportunities, discussing the parts of a business plan, and assessing own readiness to pursue a small business opportunity.

Students may qualify for transcribed credit from NWTC. A transcribed credit agreement means that an actual technical college course, using college textbooks and materials, is being taught at Oconto High School. You will earn high school credit, and if you meet the conditions of the agreement, you will also be awarded college credit at the same time. The college grade and credits will be recorded on both an OHS transcript and an NWTC transcript.

### MARKETING PRINCIPLES - 5327



- One semester
- This course is open to sophomores, juniors and seniors
- **If this course is successfully completed with a grade of C or higher, students can receive three credits from NWTC**

**Prerequisite: None:**

This course (NWTC #10-104-110) will cover marketing management, market segmentation, market research, consumer behavior, product decisions and management of distribution, pricing, and promotional decisions for strategy planning.

Students may qualify for transcribed credit from NWTC. A transcribed credit agreement means that an actual technical college course, using college textbooks and materials, is being taught at Oconto High School. You will earn high school credit, and if you meet the conditions of the agreement, you will also be awarded college credit at the same time. The college grade and credits will be recorded on both an OHS transcript and an NWTC transcript.

## COMPUTER SCIENCE

*We encourage all students to explore courses in all areas regardless of stereotypical beliefs about traditional male and female roles.*

### **BASIC COMPUTER LITERACY – 5701**

- **One semester**
- **This course is open to freshmen**

**Prerequisite: A failing grade in middle school computer studies and/or the recommendation of the middle school computer studies instructor**

This course is geared toward those students who have struggled in earlier computer classes. This course would be taken in lieu of Computer Literacy. It will introduce computer topics similar to Computer Literacy, though in slightly less detail.

### **COMPUTER LITERACY – 5675**

- **One semester**
- **This course is required for all freshmen**

**Prerequisite: None**

This course will cover computer topics such as hardware, application software, operating systems, the Internet and World Wide Web, search skills, file and folder management, word processing, presentation software, spreadsheet construction, database development, and web page creation. The class will also give short introductions to programming courses offered at OHS including game programming.

### **FOUNDATIONS OF PROGRAMMING – 5650**

- **One semester**
- **This course is open to freshmen, sophomores, juniors and seniors**

**Prerequisite: None**

This course introduces students to programming using Visual Basic and Python. It is an introductory course and is appropriate for students with little, if any, previous programming experience. Examples of programming topics covered include: objects, properties, variables, expressions, statements, decision-making, looping, formatting, arrays, etc.

### **WEB SITE DESIGN - 5553**

- **One semester**
- **This course is open to freshmen, sophomores, juniors, and seniors**

**Prerequisite: None**

This is a course that presents the basics and concepts of developing and maintaining a website. Students will use web site editors such as FrontPage and Dreamweaver, and some programming techniques using simple html tags. Students will also utilize cloud based platforms such as Wix, Weebly, Wordpress, and GoogleSites. Web site design concepts introduced include effective use of color, images, animation and layout, as well as topics such as navigation. Students will learn to create a basic home page, advanced navigation and presentation techniques.

### **COMPUTER GAME PROGRAMMING - 5552**

- **One semester**
- **This course is open to freshmen, sophomores, juniors, and seniors**

**Prerequisite: None**

Ever wonder how simple games on the Internet are developed? You will learn how to create these games using Clickteam Fusion 2.5. The class will teach you the tricks and techniques that you will need to create simple 2D games all the way to more advanced arcade type games. All games will be burned to a CD and available to students taking the course.

### **DIGITAL IMAGING – 6400**

- **One semester**
- **This course is open to freshmen, sophomores, juniors, and seniors**

**Prerequisite: None**

Enroll in this course and enter the new era of producing images by digital technology. You will learn to use digital cameras, scanners, and computers. This class will utilize Adobe Photoshop, Microsoft Publisher, and Video Studio 12 to create several projects such as calendars, cards, brochures, flyers, still image movies, and more. This is a fun class to show your creative side using a computer and many useful software programs. There will also be opportunities to learn media production.

### **DIGITAL GRAPHIC DESIGN - 6404**

- **One semester**
- **This course is open to freshmen, sophomores, juniors, and seniors**

**Prerequisite: Digital Imaging**

Did you like the projects you created in Digital Imaging? This course will build upon the concepts learned in Digital Imaging. Advanced digital concepts will be used to create several projects which will include: still image videos, DVD/CD labels, DVD case inserts, production of school videos (sports, plays, concerts, etc...), advanced picture editing, poster creation, t-shirt designs, a semester long photo book, and many more.

### **VIDEO PRODUCTION – 9546**

- **One semester**
- **This course is open to freshmen, sophomores, juniors and seniors**

**Prerequisite: None**

Students will learn the three stages of film production, including pre-production, production, and post-production stages. Camera functions, video editing, media analysis, and filmmaking will also be covered. Students will work individually and in groups to write, shoot, and edit their own projects. Student projects during the semester include public service announcements, commercials, short films, music videos, and news stories. Selected videos are screened during class throughout the semester to enhance the critique process. Students will work with Corel Video Studio software.

## **BUSINESS SOFTWARE ESSENTIALS PATHWAY CERTIFICATE**

Successful completion of the following courses: Microsoft Word, PowerPoint, and Excel and Microsoft Access and Outlook will give students the opportunity to earn a Business Software Essentials Pathway Certificate through NWTC

### **MICROSOFT WORD, POWERPOINT, AND EXCEL – 5655**



- One semester
- This course is open to freshmen, sophomores, juniors, and seniors
- If this course is successfully completed with a grade of C or higher, students can receive three credits from NWTC

**Prerequisite: None**

**MICRO: WORD - INTRO (NWTC #10-103-121):** In this course students will learn word processing basics including: creating, revising, formatting, printing; sections, tabs, multi-page numbering; manipulating text; creating headers/footers; creating/formatting tables, graphics; and merging documents.

**MICRO: POWERPOINT - INTRO (NWTC #10-103-151):** Students will learn presentation skills using: graphics, diagrams, design themes, sounds, animations, slide transitions, and integration with other software.

**MICRO: EXCEL - INTRO (NWTC #10-103-131):** Students will learn how to create a worksheet, enhancing worksheet appearance, moving and copying data, using formulas and functions, creating charts and using clip art. Window experience improves success.

### **MICROSOFT ACCESS AND OUTLOOK – 5656**



- One semester
- This course is open to freshmen, sophomores, juniors, and seniors
- If this course is successfully completed with a grade of C or higher, students can receive two credits from NWTC

**Prerequisite: None**

**MICRO: ACCESS - INTRO (NWTC #10-103-141):** In this course students will learn Microsoft Access basics including: creating/modifying database tables, compacting a database, managing records, defining table relationships, creating queries, calculations, and aggregate functions, sorting, and using form/report wizards.

**MICRO: OUTLOOK (NWTC #10-103-161):** Students will learn Microsoft Outlook essentials, including: creating and organizing email, scheduling meetings, creating tasks, and managing contacts.

## ENGLISH

**\*\*PLEASE NOTE\*\***Any failed required English course must be retaken in summer school, or as a credit recovery course equivalent before a student may enroll in the next level.

### **\*AP (ADVANCED PLACEMENT) ENGLISH 12 - 201H/202H**

- Two semesters
- This course is open to seniors

**Prerequisite: Challenge Program English classes**

The purpose is to provide seniors with a university-level course to prepare for the Advanced Placement Test for English Literature and Composition. This course provides the opportunity for students to receive college credit for their advanced English studies. Students will engage in the careful reading and critical analysis of literature. Through the close reading of selected texts, students will deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. Students will consider a work's structure, style, and themes as well as smaller-scale elements such as the use of figurative language, imagery, symbolism, and tone. The course will include representative works from various genres and periods.

### **ENGLISH 12 – 2233/2234**

- Two semesters
- This course is open to seniors who are not in AP English 12 or Prep English 12

**Prerequisite: None**

This class is designed to enhance written and verbal communication skills. Composition activities will focus on narrative, expository, and technical and career related writing. Works from various genres and works of recognized literary merit will support the development of reading skills. Vocabulary work will support both reading and communication skills; individual and collaborative projects will provide real-life skills. Academic and Career Planning (ACP) concepts will include resume writing, interview skills, and at least one job shadow to help foster a plan for post high school.

### **\*PREP ENGLISH 12 - 2023/2024**

- Two semesters
- This course is open to seniors who plan to attend a four year college who are not enrolled in AP

**Prerequisite: None**

The purpose is to provide a wide range of experiences in reading and composition skills in order to be successful in college and university courses. Heavy emphasis is placed on reading and analysis of quality literature. Composition activities include individual responses, summaries, literary analyses, and the research paper. Works from various genres and periods, works of recognized literary merit, will provide the focus of reading and composition activities.





**\*ENGLISH COMPOSITION I – 2236**

- One semester
- This course is open to juniors and seniors
- **If this course is successfully completed with a grade of C or higher, students can receive three credits from NWTC**

**Prerequisite: Instructor approval**

In this course (NWTC #10-801-136), students develop knowledge/skills in planning, organizing, writing, and editing. Students will also analyze audience/purpose, use elements of research, format documents using standard guidelines, and develop critical reading skills.

Students may qualify for transcribed credit at NWTC. Transcribed credit agreements mean that an actual technical college course, using college textbooks and materials, is being taught at Oconto High School. You will earn high school and, if you meet the conditions of the agreement, will be awarded college credit at the same time. The college grade and credits will be recorded on both an OHS transcript and a technical college transcript.

**ORAL INTERPERSONAL COMMUNICATION – 2237**



- One semester
- This course is open to juniors and seniors
- **If this course is successfully completed with a grade of C or higher, students can receive three credits from NWTC**
- **NOT NCAA APPROVED**

**Prerequisite: Instructor approval**

This course (NWTC #10-801-196) will cover the communication process, perception and self-concept, language, listening, nonverbal communication, interpersonal relationships, communication in groups and public communication; prepare and deliver an oral presentation.

Students may qualify for transcribed credit at NWTC. Transcribed credit agreements mean that an actual technical college course, using college textbooks and materials, is being taught at Oconto High School. You will earn high school and, if you meet the conditions of the agreement, will be awarded college credit at the same time. The college grade and credits will be recorded on both an OHS transcript and a technical college transcript.

**\*AMERICAN LITERATURE I – 2074**

- First semester
- Juniors are required to take American Literature I/II or Challenge English 11

**Prerequisite: Successful completion of English 10**

This course is aligned with the Common Core standards and is designed to expose students to the primary sources and documents beginning with Native American Literature and ending with the Civil War. Students will follow the Common Core standards of reading, writing, speaking, and listening for grade 11.

**\*AMERICAN LITERATURE II – 2078**

- **Second semester**
- **Juniors are required to take American Literature I/II or Challenge English 11**

**Prerequisite: Successful completion of American Literature I**

This course is aligned with the Common Core standards and is designed to expose students to the primary sources and documents beginning with Civil War Literature and ending with the age of Modernism. Students will follow the Common Core standards of reading, writing, speaking, and listening for grade 11.

**\*CHALLENGE ENGLISH 11 – 220H/221H**

- **Two semesters**
- **Juniors are required to take American Literature I/II or Challenge English 11**

**Prerequisite: Successful completion of Challenge English 10**

This is a full year course in which students will take an in-depth look at American Literature. Beginning with the colonial time period and progressing through modern times, students will study a variety of texts, including poetry, drama, short stories, novels, and non-fiction. Students will be held to a higher standard for writing and reading expectations within this class.

**\*CREATIVE WRITING - 2150**

- **One semester**
- **English elective**
- **This elective is open to sophomores, juniors, and seniors**

**Prerequisite: None**

This course focuses on three units: poetry, memoirs, and short stories. Students will create three projects, one for each unit, as well as a final historical fiction children's story, in book form, to be donated to a local school or library. Students will also have ample opportunity to create "free writing" samples of their choosing that will be shared with and edited by their peers.

**\*CHALLENGE ENGLISH 10: WORLD LITERATURE – 275H/300H**

- **Two semesters**
- **Sophomores are required to take English 10 or Challenge English 10**

**Prerequisite: Successful completion of Challenge English 9**

This course follows the Common Core standards and contains six specific units that cover primary sources/documents, fiction, and nonfiction that focus on authors from around the globe. Within the six units, students will also read current memoirs and modern dystopian fiction. Each unit has two performance tasks for the student that includes essays/writing tasks, and speeches/presentations all of which will include MLA citations. The course will also include two rounds of literature circles and a research project based on the novels/memoirs. The use of vocabulary will continue to be utilized in compositions and enhanced throughout the year.

**\*ENGLISH 10 –WORLD LITERATURE– 2350/2325**

- Two semesters
- Sophomores are required to take English 10 or Challenge English 10

**Prerequisite: Successful completion of English 9**

This course follows the Common Core standards and contains six specific units that cover primary sources/documents, fiction, and nonfiction that focus on authors from around the globe. Each unit has a performance task for the student that includes essays/writing tasks, and speeches/presentations all of which will include MLA citations. The use of vocabulary will continue to be utilized in compositions and enhanced throughout the year.

**\*CHALLENGE ENGLISH 9 – 247H/248H**

- Two semesters
- Freshmen are required to take English 9 or Challenge English 9

**Prerequisite: Recommendation by 8th grade English Language Arts teacher**

Students will develop a variety of skills in preparation for a high school career of advanced coursework. Assignments will include literary analysis, various styles of writing, speaking and listening, as well as presentations. Topics of study will include poetry, short stories, novels, plays, speeches, and films. Students in Challenge English 9 should expect to be held to a higher standard of effort.

**\*ENGLISH 9 – 2475/2500**

- Two semesters
- Freshmen are required to take English 9 or Challenge English 9

**Prerequisite: None**

The student develops academic skills including organization, note taking, study habits, testing, and library skills. Reading and writing skills are learned and practiced in conjunction with short stories, essays, poetry, drama, novel, and film.

<b>FOREIGN LANGUAGE</b>
-------------------------

*To meet the challenge of ever-increasing global connections, students must possess language skills to communicate with other cultures and to understand others' behavior patterns. In order to be productive of another language, students also study the English language and develop real-life uses in the areas of sentence structure, usage, and vocabulary similarities and differences. The goal is for all students to learn how, when, and why to say what to whom. We encourage all students to explore courses in all areas regardless of stereotypical beliefs about traditional male and female roles.*

**\*SPANISH I – 7171/7172**

- Two semesters
- Recommendation: C or above in English classes

**Prerequisite: None**

Each student develops skills in listening to, reading, speaking, and writing Spanish. Practice is primarily

repeating and imitation of these phrases in addition to a study of grammar rules. Cultural aspects of the countries where Spanish is spoken are studied through music, lectures, and videos.

**\*SPANISH II – 7151/7152**

- Two semesters

**Prerequisite: Spanish I with a C or above**

A review of Spanish I is the beginning of the course to solidify skills from that level. More extensive study is conducted dealing with grammar rules, comprehension, writing and speaking skills. Geographic and cultural aspects will continue to be studied with an emphasis on literature, music, and art.

**\*SPANISH III – 7121/7122**

- Two semesters

**Prerequisite: Spanish II with a B or above**

A review of Spanish II and I is the beginning of the course. Students will add to their Spanish vocabulary in order to speak and write more fluently. Literary works, art, music, and other cultural aspects of the Spanish and Hispanic people will be an integral part of this course.

**\*SPANISH IV – 7123/7124**

- Two semesters

**Prerequisite: Spanish III with a B or above**

Students will be able to understand written materials on a wide variety of topics and use extensive listening and speaking strategies to understand authentic materials. Students will also be required to make presentations on information, concepts, and ideas to an audience of listeners or readers solely in the Spanish language

<b>MATH</b>
-------------

*Mathematics is an important subject, which we all use on a daily basis. The OHS math department offers a wide range of courses to meet the needs of the college and technical college bound student, as well as the student preparing for the world of work. It is recommended that students not take the minimum math required, but as much math as they can handle. With a strong math background you can "open doors" to a rewarding and profitable career.*

**PRE-ALGEBRA – 1325/1326**

- Two semesters
- This course is open to freshmen

**Prerequisite: Recommendation of 8th grade math teacher**

This class is designed to prepare students for algebra. The class will practice basic math operations as they apply to real life situations as well as introducing the principles of algebra and geometry.

**\*ALGEBRA I – 1321/1322**

- Two semesters
- This course is open to freshmen, sophomores, juniors and seniors
- Algebra I or Advanced Algebra I are graduation requirements

**Prerequisite: Successful completion of Pre-Algebra or recommendation of 8th grade math teacher**

Algebra I is the first math course in high school for the average math student. This course covers many methods of solving equations. It also covers polynomials, factoring, square roots, the Pythagorean Theorem and quadratic equations. Algebra I also involves ratios, percents, and proportions.

**\*ADVANCED ALGEBRA I – 1301/1302**

- Two semesters
- This course is open to freshmen

**Prerequisite: Successful completion of 8th grade math and the recommendation of the 8th grade math teacher**

In Advanced Algebra I axioms are initially introduced and they lead to the topic of solving equations. The "how" to solving equations is stressed by transforming equations by a step-by-step process. Additional topics considered are factoring, polynomials, algebraic functions, inequalities, and solving problems with two variables.

**\*GEOMETRY – 1251/1252**

- Two semesters
- This course is open to freshmen, sophomores, juniors and seniors

**Prerequisite: Advanced Algebra I or Algebra I with a grade of C- or higher**

Geometry covers the relationships between points, lines and planes. Additional topics are the properties of perpendicular and parallel, angle relationships, congruent and special polygons. The Pythagorean Theorem and the geometry of circles are also explored.

**\*CHALLENGE GEOMETRY – 121H/122H**

- Two semesters
- This course is open to freshmen in the Challenge Math Program

**Prerequisite: Completion of Advanced Algebra I in 8th grade with a grade of B- or higher.**

This course is intended for college-bound students who are looking at careers that require a strong math background. This course will cover the relationships between points, lines and planes, as well as the properties of perpendicular and parallel lines, angle relationships and special polygons. The course also covers the Pythagorean Theorem, geometry of circles and, if time permits, constructions.



**\*INTERMEDIATE ALGEBRA WITH APPLICATIONS – 0955/0956**

- Two semesters
- This course is open to juniors and seniors
- **If this course is successfully completed with a grade of C or higher, students can receive four math credits from NWTC**

**Prerequisite:** Successful completion of Algebra I or Advanced Algebra I. It is strongly recommended that the student take a geometry course before enrolling in Intermediate Algebra with Applications

Topics will include properties of real numbers, order of operations, algebraic solution for linear equations and inequalities, as well as operations of polynomial and rational expressions, operations with rational exponents and radicals, algebra of inverse, logarithmic and exponential functions.

**\*ADVANCED ALGEBRA II – 0950/0951**

- Two semesters
- This course is open to sophomores and juniors

**Prerequisite:** Successful completion of Geometry or Advanced Algebra I

Advanced Algebra II covers most of the topics from Challenge Advanced Algebra II at a pace and depth appropriate for the average college-bound student. Less emphasis is placed on proof, higher order systems of equations and logarithms. The structure of our number system is stressed and problems are solved with rational, irrational and complex solutions.

**\*CHALLENGE ADVANCED ALGEBRA II – 960H/961H**

- Two semesters
- This course is open to sophomores in the Challenge Math Program

**Prerequisite:** Completion of Challenge Geometry with a grade of B- or higher

This class covers all topics of algebra for the sequential math student to move to the next level in the challenge math program. Topics include solving open sentences, working with relations and functions, graphing, proofs, factoring, matrices, irrational and complex numbers, analytic geometry, and exponential and logarithmic functions.

**\*ALGEBRA III/ TRIGONOMETRY – 1071/1072**

- Two semesters
- This course is open to juniors and seniors

**Prerequisite:** Successful completion of Intermediate Algebra with Applications or Advanced Algebra II

This course is intended to give technical college bound seniors a broader math background. The course covers advanced algebra and trigonometry topics at a pace which makes it easier for the student to understand.



### **\*TRIGONOMETRY WITH APPS – 1051/1052**

- Two semesters
- This course is open to juniors and seniors
- **If this course is successfully completed with a grade of C or higher, students can receive three math credits from NWTC**

**Prerequisite: Successful completion of Intermediate Algebra with Applications**

This course will cover the following topics: circular functions, graphing of trigonometry functions, identities, solving equations, trigonometric functions of angles, inverse functions, solutions of triangles, complex numbers, De Moivre's Theorem, polar coordinates, and vectors. If time permits, working with logarithms and exponentials will also be covered.

Students may qualify for transcribed credit at NWTC. Transcribed credit agreements mean that an actual technical college course, using college textbooks and materials, is being taught at Oconto High School. You will earn high school credit and, if you meet the conditions of the agreement, will be awarded college credit at the same time. The college grade and credits will be recorded on both an OHS transcript and a technical college transcript.

### **\*PRE-CALCULUS – 123H/124H**

- Two semesters
- This course is open to juniors and seniors in the challenge math program.

**Prerequisite: Completion of Challenge Advanced Algebra II with a grade of B- or higher.**

This course is designed for the college-bound student who needs a strong math background and includes all topics for the calculus-bound student. If you plan on majoring in math, engineering, or a math-science related field, this is the course which provides the background for your next level of math.

### **\*AP (ADVANCED PLACEMENT) CALCULUS – 101H/102H**

- Two semesters

**Prerequisite: Successful completion of Pre-Calculus or Trigonometry**

This course is intended to give students a calculus background in order to be competitive at the college level. Students who plan on majoring in mathematics, engineering, chemistry, physics, or other related fields should take advantage of this course. Students taking Calculus will realize that functions are the major tools for describing the real world in mathematical terms. The class opens with basic review of pre-calculus topics. Students are required to have a graphing calculator. Much work is done with functions algebraically and confirmed on a graphing utility. Some topics for the first semester are: limits, continuous functions, the Sandwich Theorem, numerical derivatives, derivatives of trigonometric functions, the Chain Rule, implicit differentiation, the Mean Value Theorem, Newton's Method and applications for first and second derivatives. The second semester of Calculus continues with area problems involving integrating functions, applied problem solving, transcendental functions, and the techniques of integration. With the completion of this course, students have the option of taking the AP Calculus test for college and math credits.

**\*ELEMENTARY STATISTICS - 0945/0946**

- Two semesters
- This course is open to juniors and seniors

**Prerequisite: Successful completion of Advanced Algebra II**

The primary aim for this course is a basic understanding and use of statistical concepts and methods to facilitate study and research in other disciplines. It includes measures of central tendency, measures of variability, grouped data, the normal distributions, central limit theorem, hypothesis testing, estimation, T-distributions, and Chi-square test.

<b>MUSIC</b>
--------------

*Research indicates that with experience in musical performance, students can exceed national average SAT scores by 51 points in verbal and 39 points on math. We encourage all students to explore courses in all areas regardless of stereotypical beliefs about traditional male and female roles.*

**CONCERT BAND – 9001/9002**

- Two semesters
- This course is open to freshmen, sophomores, juniors and seniors

**Prerequisite: None**

Performances include fall marching, Veteran’s Day Program, winter sports pep band, Winter Holiday Concert, WSMA Concert Festival, Spring Band-A-Rama Concert, Memorial Day parade and OHS Graduation. Additional individual or group lessons required. Optional activities include Solo and Ensemble festival and Jazz Ensemble.

**MOMENTUM – 8015/8016**

- Two semesters
- This course is open to freshmen, sophomores, juniors and seniors

**Prerequisite: Required audition at the end of each school year**

Momentum is the elite vocal group at OHS. The style of this group can change from year to year, as students have a say in the songs and styles that they perform. Vocal jazz, show choir, pop music, classical music - Momentum is a group that is fluid and showcases the voices and personalities of those involved. In addition to performing at all concerts with the Concert Choir, Momentum has unique performance opportunities, which change from year to year depending on the opportunities available. In the past, the group has performed at the Blue Opus in Green Bay, travelled to an a cappella festival in Port Washington, and sang Valentine’s Grams in the community. Momentum also performs at Solo and Ensemble contest in spring, with the possibility of performing at the state level competition.

Auditions take place in May for the upcoming school year. Rehearsals are held before school, on Mondays and Fridays at 7am sharp. When necessary, additional rehearsals are also scheduled during lunch. The music that Momentum performs is difficult, with challenging rhythms and harmonies; it is

therefore expected that all students in Momentum also sign up for individual choir lessons, even if they are not enrolled in Concert Choir.

### **CONCERT CHOIR – 9171/9172**

- Two semesters
- This course is open to freshmen, sophomores, juniors and seniors

**Prerequisite: None**

This class introduces and expands on basics to singing choral music, including music theory and proper singing techniques. Additional individual lessons are required throughout the year. Required performances include Veterans Day Program, Holiday Concert, Spring Concert, Memorial Day Performance, and other community events throughout the year. Optional performances include District and State Solo and Ensemble, National Anthem for various sporting events, and Christmas caroling.

## **PHYSICAL EDUCATION & HEALTH**

*It is a proven fact that a well-conditioned body produces a more productive mind. A total person needs not only a strong academic background, but also the physical well-being to give optimum results.*

### **\*\*SPECIAL NOTE\*\***

Freshmen are **not** required to take Physical Education during their first year of high school. Those wishing to do so may sign up for one semester of Phy Ed. Only 2.5 credits (a total of 5 classes) of Physical Education count for credit for graduation.

### **PHYSICAL EDUCATION –8576 –S1 / 8578 –S2**

- One semester
- This course is open to freshmen, sophomores, juniors and seniors

**Prerequisite: None**

This course is intended to give students a background in lifelong activities, team sports and lifelong fitness training. Students will participate regularly in health-enhancing fitness activities and other physical activities that contribute to the maintenance of wellness. This course will include cardiovascular and weight training along with traditional physical education units encouraging students to live a healthy lifestyle.

### **STRENGTH & CONDITIONING - 8574 / 8577**

- One semester
- This course is open to freshmen, sophomores, juniors, and seniors

**Prerequisite: None**

This class is offered in partnership with Bellin Health. It is available for all students, and athletes are highly encouraged to sign up for the class. This is a structured time for teaching fundamental movements, developing strength and power, performing speed and agility drills, and working on flexibility and injury prevention techniques that can be applied throughout life. In short, this is the opportunity for our athletes to complete their performance training during the school day.

### **ADVANCED FITNESS TRAINING/COMPETITIVE TEAM SPORTS - 8635**

- One semester
- This course is open to freshmen, sophomores, juniors, and seniors

**Prerequisite: Experience in competitive team sports and/or instructor approval**

This course is designed for the student who is interested in advanced fitness training as well as competitive team sports. This course will be teaching advanced fitness/weight training techniques along with teaching a variety of competitive team sports as a method of cardiovascular training. Students in this course will be required to develop an individual fitness/weight training program, which meets their own specific needs. A typical week will consist of three days being dedicated to fitness/weight training with the other two days devoted to a competitive team sport.

### **LIFEGUARD TRAINING (AQUATICS) - 8673**

- One semester
- Can count for .50 credit in Physical Education or elective

**Prerequisite: 16 years or older and instructor approval**

This course is designed for those students who already know how to swim and tread water. The goal of this course is to refine swimming skills while building cardiovascular and muscular strength and endurance. Students will learn skills to protect swimmers in, on, and around water. Students will be eligible to be certified through the American Red Cross for Lifeguarding, First Aid, and CPR. Students will have to purchase their book for class. Some classes will be held at the Bond Community Center, and students will be responsible for their own transportation to and from OHS.

### **CORE/CARDIO/AEROBIC WORKOUTS - 8631**

- One semester
- This course is open to juniors and seniors

**Prerequisite: None**

The “core” actually consists of many different muscles that stabilize the spine and pelvis and run the entire length of the torso. These muscles stabilize the spine, pelvis and shoulder and provide a solid foundation for movement in the extremities. Core conditioning exercise programs need to target all these muscle groups to be effective. The muscles of the core make it possible to stand upright and move on two feet. These muscles help control movements, transfer energy, shift body weight and move in any direction. A strong core distributes the stresses of weight-bearing and protects the back. Aerobic physical activity that increases the heart rate helps strengthen the heart and lungs, increases metabolism, tones muscles, reduces blood pressure and can help with weight loss. A typical week includes: two days of core training, two days aerobic workout, and one game day.

### **HEALTH - 9550**

- One semester
- This course is required for freshmen

This course is intended to explore the physical, mental, and social needs of the student. The student will

apply critical thinking techniques to social issues and will be encouraged to apply positive decisions to promote a healthy lifestyle.

## SCIENCE

*Science allows us to explore and explain the world around us. In addition, scientific knowledge is the foundation for some of the fastest growing career areas in health and technology.*

### **\*AP (ADVANCED PLACEMENT) PHYSICS – 021H/022H**



- Two semesters
- This course is open to juniors and seniors

**Prerequisites: Completion of Geometry and Advanced Algebra II.**

**\*Because of the close association between physics and mathematics, it is also strongly recommended that students enrolling in AP Physics are also currently enrolled in Trigonometry, Pre-Calculus, or Calculus**



This course is a math-intense course, focusing on problem solving skills, basic triangle math and trig functions. First semester covers topics such as linear motion, vectors, and forces. Second semester will include topics such as rotational motion, electricity, waves and sound. The labs and lab write-ups will encourage logical and analytical thinking skills necessary for students intending to pursue careers in science.

This course is also available for college credit. Students have the opportunity to earn five credits for PHYSICS 103 - Fundamentals of Physics through the UW-Green Bay College Credit in High School (CCIHS) program. A reduced tuition applies and commitment to the tuition option is required by mid-September. Upon successful completion, this five credit course could transfer to UW system institutions and possibly other colleges. Students may enroll for just high school credit or for high school and college credit.

A student who earns a grade of “B” or better in this course will receive **Advanced Standing** at NWTC. Advanced Standing courses may earn a student the opportunity to skip an introductory level course in their program and advance to the next level. **Advanced Standing** agreements are transferable to all schools within the WI Technical College System.

### **\*AP (ADVANCED PLACEMENT) CHEMISTRY – 071H/072H**



- Two semesters
- This course is open to juniors and seniors

**Prerequisite: Successful completion of College Chemistry.**

**\* It is highly recommended that students take AP Chemistry the year following College Chemistry**



This course will continue the first year of chemistry. A review of the first year of chemistry as well as the introduction of new areas of study will cover the year, including intermolecular interactions, gas laws, equilibrium, reaction kinetics, thermodynamics, and solution (acid/base) chemistry. Individual projects and laboratory work will be included. This course is designed to prepare students for the AP Chemistry exam by covering an equivalent curriculum to a first semester college-level chemistry course. Students do not need to take the AP test.

This course is also available for college credit. Students have the opportunity to earn five credits for CHEM 211, 213 – Principles of Chemistry I and Lab through the UW-Green Bay College Credit in High School (CCIHS) concurrent enrollment program. A reduced tuition applies, and commitment to the tuition option is required by mid-September. Upon successful completion, this course credit could transfer to UW system institutions, and possibly other colleges. Students may enroll for just high school credit or for high school and college credit.

A student who earns a grade of “B” or better in this course will receive **Advanced Standing** at NWTC. Advanced Standing courses may earn a student the opportunity to skip an introductory level course in their program and advance to the next level. **Advanced Standing** agreements are transferable to all schools within the WI Technical College System.

### **\*AP (ADVANCED PLACEMENT) BIOLOGY - 328H/329H**

AP

- 2 semesters
- Open to juniors & seniors

**Prerequisite: Successful completion of both semesters of Biology or Human Biology**

This course is intended to give students more experience in their Biology background which will enable them to be competitive at the college level. The course will focus on enhancing their first year of Biology, by concentrating on the following four Big Ideas:

**Big Idea 1:** The process of evolution drives the diversity and unity of life. (Evolution, Cellular Processes)

**Big Idea 2:** Biological systems utilize free energy and molecular building blocks to grow, to reproduce and to maintain dynamic homeostasis. (Energy & Communication)

**Big Idea 3:** Living systems store, retrieve, transmit, and respond to information essential to life processes. (Genetics & Information transfer)

**Big Idea 4:** Biological systems interact, and these systems and their interactions possess complex properties. (Interactions)

*“The big ideas encompass the core scientific principles, theories and processes governing organisms and biological systems. For each big idea, enduring understandings incorporate the core concepts that students should retain from the learning experience.”*

*“A more student-directed, inquiry-based lab experience supports the AP Biology course. These labs provide opportunities for students to design plans for experiments, data collection, application of mathematical processes, and refinement of testable explanations and predictions.” (AP<sup>®</sup> Biology Curriculum Framework 2016)*

**\*There are no required dissections in AP Biology.** Upon completion of the course, students are encouraged to take the AP Biology exam to attempt to earn college credits.

**\*COLLEGE CHEMISTRY – 125H/126H**

- Two semesters
- This course is open to juniors and seniors; sophomores may enroll with written consent of instructor

**Prerequisite: Advanced Algebra II (prior or concurrent)**

A relatively challenging study of the topics in an introductory level Chemistry course. Properties of matter, the quantity of a mole, development of the model of the atom, the structure of atoms and its correlation to reactivity are just a few topics that will be covered. Students will also learn correct chemical nomenclature, and use this to write and balance chemical equations. The year will wrap up with a study of stoichiometry and its application to chemical reactions.

**\*BIOLOGY – 3271/3272**

- One year course
- Open to sophomores, juniors and seniors (freshmen by the recommendation of 8th grade science teacher)
- Satisfies the Biology graduation requirement

**Prerequisite: None**

Topics covered in Biology are: Biochemistry (water, proteins & amino acids, enzymes, lipids, DNA, RNA, Protein Synthesis, Cellular Respiration, Photosynthesis); the Cell, Cell Division, Genetics, Evolution, Bacteria & Viruses and Ecology.

Students will learn through using models, argument driven inquiry based experiments, reports & presentations. They will also complete a multitude of hands on activities and labs to reinforce the content.

Successful students are encouraged to enroll in AP Biology for their junior or senior year for an in-depth experience in Biology.

**\*HUMAN BIOLOGY – 3301/3302**

- Two semesters
- This course is open to sophomores, juniors and seniors
- Satisfies the Biology graduation requirement

**Prerequisite: None**

Students will learn basic anatomical vocabulary as it pertains to the human body, as well as the correct names and functions of numerous structures and organs in each body system. Many familiar diseases and disorders will also be discussed. There will be opportunities to incorporate lab activities often throughout the year.

**\*FORENSIC SCIENCE – 3350/3347**

- **Two semesters**
- **Open to juniors and seniors**

**Prerequisite: Successful completion of Biology/Human Biology and Chemistry (completed or concurrent)**

The purpose of the study of Forensic Science is to create informed citizens who are literate in scientific inquiry and processes; provide educated jurors to serve our communities; be reliable eyewitnesses and understand the role of science in society. This course is designed to give basic information on the topics of observations and processing crime scenes (writing search warrants, collecting trace evidence and forensic imaging); fingerprinting, bloodstains and blood spatter patterns; impressions, ballistics, trace evidence (hair, glass, soil, powders).

Second semester topics include, but are not limited to: narcotics identification, toxicology, arson and explosives, document examination, computer crimes, criminal psychology and behavioral analysis, and the legal aspect of forensic science. Each semester concludes with a weeklong project that involves processing and photographing a crime scene, analyzing trace evidence, running/analyzing tests, writing the final crime report, and debriefing with local police officers. Many students find this course helpful when considering whether to pursue the forensic sciences at the college level.

**\*ASTRONOMY - 3175**

- **One semester**
- **This course is open to juniors and seniors**

**Prerequisite: None**

Students will learn about the effects of microgravity and space travel. They will study the distinguishing features of the planets and other objects in the Solar System. A unit on the properties of light and how it is used to study stars culminates with an overview of constellations. Describing the lunar phase cycle and an introduction to various classical astronomers and their contributions will also be included

**\*ENVIRONMENTAL SCIENCE – 3321/3322**

- **Two semesters (students may take either one semester or both)**
- **This course is open to juniors and seniors**

**Prerequisite: None**

Sustainability is the overlying concept that is reinforced throughout the year in topics such as Forestry, Agbiotech, Soils, and Agriculture for semester one. Semester two covers Biodiversity and Conservation Biology, Ecology, and Freshwater Ecosystems.

There are many opportunities to explore the great outdoors with macro invertebrate samplings, water quality testing, soil testing and soil moisture management, outdoor journalism, and making maple syrup.

**\*INTEGRATED SCIENCE - 3357/3361**

- **Two semesters**
- **This course is intended for all freshmen except those recommended for Biology**

**Prerequisite: None**

Integrated Science is an introductory course designed to integrate the four basic areas of science. Ecology and biology will be the focus for first semester. Chemistry and physical science will be the focus for second semester. Because each area of science builds upon the previous area, there will be overlap and review in each. Demonstrations and laboratory work will be incorporated.

<b>SOCIAL STUDIES</b>
-----------------------

*Social studies courses provide the individual student with the knowledge and skills he or she needs to become a productive, enlightened citizen in a democratic society -- one who contributes to the community, the society and to the human race. More specifically, career areas such as psychology, history, sociology and social work, civil service, economics, politics and law (to name a few) require a concentrated preparation in the social studies area. It is our feeling that the first business of the schools is to develop enlightened citizens who can continue our Republic and improve its institutions--for if we fail at this, we fail absolutely!*

**\*CHALLENGE (HONORS) SOCIAL STUDIES**

Prerequisite: Students must be assessed and/or approved for challenge classes in Social Studies.

**Challenge classes are offered for U.S. History and World History.** These classes are designed for students who have a special talent in social studies. Students in challenge courses utilize higher levels of analysis in their coverage of history. The text is more demanding and the assignments are more comprehensive than the regular course. The classes prepare the student for the Advanced Placement U.S. History course and the possibility of earning college credit during the senior year of high school. Talk with a social studies teacher or school counselor for specific information about challenge social studies classes.

**\*AP (ADVANCED PLACEMENT) AMERICAN HISTORY – 241H/242H**

- **This course is open to seniors**

**Prerequisite: Must have a minimum of a B average in History**

This course is designed to provide students with analytical skills and factual knowledge necessary to deal critically with problems and materials in American history. The course prepares students for intermediate and advanced college courses by making demands equivalent to those of a full year introductory college course. Students will learn how to assess historical materials, their relevance to a given interpretative problem, their reliability, and their importance and to weigh the evidence and interpretations presented in historical scholarship. An advanced placement course will develop skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format.

**\*GOVERNMENT - 4332**

- One semester
- This is a required junior course

**Prerequisite: None**

This course is designed to immerse the student in the legislative process. Emphasis is placed on the research and report on a variety of current issues and the debate of said issues in the legislative forum. The final objective is to give the student the fundamentals he/she needs to be a responsible, participating citizen in our government and in society in general.

**\*CHALLENGE WORLD HISTORY – 321H**

- One semester
- World History or Challenge World History is a required junior course

**Prerequisite: Approval for Challenge Social Studies Program Courses**

This course covers the time period and information covered in World History. See the “Challenge (Honors) Social Studies” section for more details on challenge level courses.

**\*WORLD HISTORY – 4331**

- One semester
- World History or Challenge World History is a required junior course

**Prerequisite: None**

World History will study the growth of civilization from the earliest Middle Eastern civilizations through the Renaissance. This material will provide the background necessary for an understanding of early United States history in the Era of Colonization. Information studied is primarily a survey of western civilization.

**\*CHALLENGE US HISTORY B & C – 310H/311H**

- Two semesters
- US History B & C or Challenge US History B & C are required sophomore courses

**Prerequisite: Approval for Challenge Social Studies Program Courses**

This course covers the time span from the Colonial Era to the present. See the “Challenge (Honors) Social Studies” section for more details on challenge level courses.

**\*US HISTORY – 4298/4299**

- Two semesters
- US History or Challenge US History B & C are required sophomore courses

**Prerequisite: None**

**US History S1** - This class provides the learner with the knowledge of major domestic and foreign policy issues that changed the nation’s direction, focusing on events from the Civil War conflict to the start of the 20<sup>th</sup> century.

**US History S2** - This class provides the learner with the knowledge of major domestic and foreign policy issues that changed the nation's direction, focusing on the events from the Progressive Era to the present.

**\*CHALLENGE US HISTORY A - 312H**

- **One semester**
- **World History S2 or Challenge US History A is a required freshman course**

**Prerequisite: Recommendation by OMS Social Studies teacher**

This course is designed to extend the student's knowledge of the events and issues that shaped our country's history. It provides the learner with the knowledge of major domestic and foreign policy issues that changed the nation's direction focusing on events from the Colonial Era to the Civil War conflict. The course will develop students' abilities to work effectively in groups as leaders and members, and also attempt to develop interpersonal skills.

**\*WORLD HISTORY – 4375**

- **Two semesters**
- **World History S1 and S2 or World History S1 and Challenge US History A are required courses**

**Prerequisite: None**

This course is designed to introduce and prepare students for other courses in the social studies curriculum. Students will brush up on social studies skills such as graph and chart analysis, map reading, research preparation, and general social studies reading techniques. A major emphasis of the course will be placed on the various fields of social studies.

**\*WISCONSIN HISTORY - 4130**

- **One semester**
- **This course is open to sophomores, juniors and seniors**

**Prerequisite: None**

This course is designed to extend student knowledge of the events and issues that shaped our state's history. It provides the learner with knowledge of major political, economic, and social issues that changed the state's direction focusing on events from the time of glaciations to the current condition of our state. The course will develop student's abilities to work effectively in groups as leaders and members, and also attempt to develop interpersonal skills.

**\*PSYCHOLOGY - 4200**

- **One semester**
- **This course is open to juniors and seniors**

**Prerequisite: None**

Our beliefs about others and yourself lie at the root of our feelings and our relationships. This course is designed to help you become aware of our personal and interpersonal behaviors and values. Then you can increase your awareness of the choices you make in your day to day efforts to cope with yourself and others. We also explore such topics as normal versus abnormal, levels of consciousness, learning and cognition, stress management, intelligence, personality, psychological disorders, and types of therapy.

### **\*WORLD GEOGRAPHY - 4350**

- **One semester**
- **This course is open to freshmen through seniors**

**Prerequisite: None**

World Geography will encompass place geography, physical geography, and human geography. Students will be required to study people and places where they live. Students will be required to master those skills that relate to geography, such as map reading, etc. Areas of study will include the study of the Earth's physical aspects and how they relate to people, the productive activities of man, and the various geographic and political regions of the world.

## **TECHNOLOGY EDUCATION**

*We encourage all students to explore courses in all areas regardless of stereotypical beliefs about traditional male and female roles.*

*The skilled workforce of the world comes from the quality of education obtained in Technology Education classes. Your experiences in the OHS Technology Education Department will help you prepare to become a valued, goal-oriented partner in tomorrow's workforce.*

*Technology Education classes cover a wide variety of topics. To make this section more user friendly the courses are organized into the following categories:*

- *Transportation & Power*
- *Manufacturing - Material & Process*
- *Communications*
- *General Awareness*

### **\*\*SPECIAL NOTE\*\***

**Students who sign up for Tech Ed courses with this symbol (~) preceding the course title will need to pay for all materials and supplies they use in their projects. In most cases the student will need to pay for the materials and supplies before they start the project. Students who fail to pay for their materials and supplies will fail the class. Technical College credits may transfer to two and four-year colleges. Check with Student Services if you have questions.**

## **TRANSPORTATION & POWER**

### **~HOME AND CAR CARE - 6475**

- **One semester/one period per day**
- **This course is open to juniors and seniors**
- **Safety glasses are required**
- **Students/Parents will be responsible for the cost of parts/service on personal vehicles**

**Prerequisite: None**

In this consumer-oriented class, students will learn basic maintenance and repair procedures for both of these major expenditures items. Upon completion of the class students will be able to perform minor

automotive, electrical, plumbing and home maintenance tasks as well as make informed decisions related to their homes and cars.

**~SMALL ENGINES - 6125**

- **One semester**
- **This course is open to freshmen, sophomores, juniors and seniors**
- **This course is recommended for those students who plan to take automotive courses as juniors and seniors.**
- **Safety glasses are required**
- **Students/Parents will be responsible for the cost of parts/service on personal equipment**

**Prerequisite: None**

This course will provide the student with an exploratory study of small engine construction, operations, service techniques and repair procedures. Students will also get an introduction to precision measurement. The student will have the opportunity to tear down and assemble small engines.

**~AUTOMOTIVE SERVICE FUNDAMENTALS – 6001/6002**

- **Two semesters/two periods per day for 1.0 OHS credit per semester**
- **This course is open to juniors and seniors**
- **Safety glasses are required**
- **Students/Parents will be responsible for the cost of parts/service on personal vehicles**

**Prerequisite: Instructor approval**

This is a year-long introductory automotive course covering shop safety, tools and equipment, the fundamental principles of operation, common maintenance and service procedures, and basic automotive diagnostic procedures. Students will perform services and procedures on a variety of vehicles for a hands-on, practical learning experience. A driver's license and vehicle to work on is recommended, but not required. Students are responsible for providing and wearing their own safety glasses. Students will be responsible for the cost of all repair parts and supplies used on personal vehicles. There is a \$5 shop fee for most student projects.

<b>MANUFACTURING - MATERIALS &amp; PROCESS</b>
------------------------------------------------

**~BUILDING TRADES I & II – 6201/6203**

- **Two semesters**
- **This course is open to sophomores, juniors and seniors**
- **Safety glasses are required**

**Prerequisite: None**

Students will have the opportunity to learn building trades skills through work on real world building projects. Past projects have been building garages, dugouts, concession stands, and partitioning off storage areas. This is a hands-on learning class.

Students must supply their own safety glasses, work clothes, and work shoes for this class. Safety glasses are sold at the school for approximately \$1.00. Students who fail to have or wear the above safety items will be dealt with under the Technology Education Safety Policy.

### **~WOODS I- BASIC WOODWORKING – 6251/6252**

- **Two semesters**
- **This course is open to freshmen, sophomores, juniors and seniors**
- **Students are responsible for purchasing materials for projects in order to receive their grade.**
- **First semester cost is \$15, second semester cost is also \$15**
- **Safety glasses are required**

**Prerequisite: None**

#### **First Semester:**

The course concentrates on wood and materials, the proper use of hand tools, and the safe operation and function of most power tools; and an introduction to the CNC router. Hands-on learning is emphasized through the construction of required projects.

#### **Second Semester:**

To be eligible for second semester, students must pass the first semester and all required safety exams given first semester must be successfully completed. Students will then work on the construction of larger projects, and an introduction to cabinetry.

### **~WOODS II- INTRODUCTION TO FURNITURE AND CABINETMAKING – 6224/6225**

- **Two semesters**
- **This course is open to sophomores, juniors and seniors**
- **Safety glasses are required**
- **Students are responsible for purchasing materials for projects in order to receive their grade**
- **First semester cost \$30, Second semester project cost will vary by wood and project choice**

**Prerequisite: Successful completion of Basic Woodworking I**

This course is designed to improve student skills in the operation of power equipment through preparing and constructing of several designated projects. These projects will include face frame construction, dovetail joinery, raised panel door and drawer construction, and construction planning. Students will also learn to program the CNC router with our MasterCAM software through various projects.

### **~ORNAMENTAL METALS – 6303**

- **One semester**
- **Open to freshmen, sophomores, juniors and seniors**
- **Safety glasses are required**
- **Students are responsible for purchasing materials for projects**

**Prerequisite: None**

Students will learn to use many metal working machines through a project based approach. This is an introductory course, and no prior experience is necessary. They will be using the CNC plasma cutter, welders, benders, grinders, 3D printers, MIG welders, CNC mill, CNC lathe, and possibly the manual mills and lathes. Projects include sheet metal work, jewelry making, metal bending, welding, yard ornaments, and many others. Students will also be able to pick from the styles and projects taught to create something agreed upon by the instructor and the student.

### ~INTRO TO METALS – 6301/6302

- Two semesters
- This course is open to freshmen, sophomores, juniors and seniors
- Safety glasses are required
- Students are responsible for purchasing materials for projects

**Prerequisite: None**

Students will get familiar with welding and machining. This is a year-long course that's meant to be exploratory, introducing students to all of the courses they will have a chance to take in their junior and senior years for college credit. MIG welding, Arc welding, and Tig welding will be introduced. Manual mill work and lathe work will also be introduced. Students will have time on CNC mills and lathes and the 3D printer. Many basic projects will be designed and created by each student. Time will be allotted for students to create projects of their own choosing at the end of each part of the course.

<p style="text-align: center;"><b>CNC (COMPUTER NUMERIC CONTROLLED) INTRODUCTION</b> <b>Youth Apprenticeship Pathway: Manufacturing - Machining</b></p>
-------------------------------------------------------------------------------------------------------------------------------------------------------------

### ~METALS FABRICATION – 6304/6305

- Two semesters
- Safety glasses are required
- This course is open to sophomores, juniors and seniors
- Students enrolled in this class can earn **CNC PROGRAMMING (7014/7015) CREDIT**

**Prerequisite: Successful completion of Introduction to Metals**

Students will advance the skills learned in Intro to Metals to work on larger projects for the community, school, or personal uses.

### ~NWTC WELDING – 7010/7011

- Two semesters/one period per day
- **If this course is successfully completed with a grade of C or higher, students can receive three credits from NWTC .**
- This course is open to juniors and seniors
- Safety glasses are required
- Students are responsible for purchasing materials for projects

**Prerequisite: Successful completion of Introduction to Metals**

Students can receive NWTC credits for this class **SHIELDED METAL ARC WELDING I - (NWTC #31-442-342), GAS METAL ARC WELDING I (NWTC #31-442-348), and GAS TUNGSTEN ARC WELDING 1 (31-442-359)**

This class focuses on the skills needed for (AWS) American Welding Society certifications using three different types of welding., SMAW (Stick), GMAW (Wire), GTAW 2226(Tig).





### ~CNC PROGRAMMING & MANUAL MACHINING. – 7014/7015

- Two semesters
- **If this course is successfully completed with a grade of C or higher, students can receive two credits from NWTC**
- This course is open to juniors and seniors

**Prerequisite: Successful completion of Introduction to Metals**

This portion of the class covers two NWTC classes: **Intro to CNC Milling Operation (NWTC #31-420-336) & Intro to CNC Turning Operation (NWTC #10-420-100)**. Students will learn to operate and command CNC Mills and Lathes. They will also learn to interface them with Master CAM software. This is a project based class that will also include manual machining techniques.

<b>DRAFTING</b>
-----------------

### INTRO TO CAD – 6321/6322

- Two semesters
- This course is open to freshmen, sophomores, juniors and seniors

**Prerequisite: None**

Students will learn the basics of creating isometric drawings using AutoCAD. They will learn the rules of industry related to the representation of parts through two dimensional drawings. Students will be introduced to extruding drawings and drawing them in 3D. Students will also use AutoCAD Inventor and print some projects on the 3D printer. This course is a prerequisite for NWTC Mechanical Auto CAD.

### ARCHITECTURAL DRAFTING – 6351/6352

- One semester
- This course is open to sophomores, juniors and seniors

**Prerequisite: Successful completion of Intro to CAD**

Students will learn how to design and draw their dream house, within a budget, of course. AutoCAD will be used to draw all necessary details of the house.

### ~MECHANICAL AUTO CAD – 7002/7003

- One semester
- **If this course is successfully completed with a grade of C or higher, students can receive two credits from NWTC**
- This course is open to juniors and seniors

**Prerequisite: Successful completion of Intro to CAD**

In this course (NWTC #10-606-113), students will learn computer aided drafting using AutoCAD software focusing on template settings, creating and manipulating layers, drawing, editing, and inquiry commands, blocks and attributes, and plotting.



**ELECTRO-MECHANICAL FUNDAMENTALS:  
Youth Apprenticeship Pathway: Manufacturing: Maintenance Installation & Repair**

**~AUTOMATION I - CONTROL LOGIC/AUTOMATION II –MOTOR CONTROL – 7005/7006**

- One semester
- **If this course is successfully completed with a grade of C or higher, students can receive two credits from NWTC**
- This course is open to juniors and seniors

**Prerequisite: None**

This course includes Automation I: Control Logic (NWTC #10-664-100) and Automation II: Motor Control (NWTC #10-664-101). It covers the following areas: Electric motor control components such as switches, relays, starters, transformers; and safely mount and install motor and motor control components and perform related wiring and troubleshooting of motor control circuits. This course will also cover the following areas: Electric motor control components such as sensors, timers and counters.

**OTHER**

**STUDENT AIDE/ TECH ED – 7016-7017**

- One or two semesters
- May earn a maximum of one total credit toward graduation
- Open to juniors and seniors

**Prerequisite: Instructor approval**

This engineering and technology-aide course offers students the opportunity to assist instructors in preparing, organizing or delivering course curricula. Students may provide tutorial or instructional assistance to other students.



## ADDITIONAL COURSES

### **BELLIN COLLEGE HEALTHCARE 100 - 5999**

- **One semester**
- **Open to juniors and seniors**
- **Space is limited; application process may be required**

**Prerequisite: Students must be in good standing**

As a major employer in the area, Bellin Health Oconto Hospital has partnered with Oconto High School to provide opportunities to students interested in healthcare careers. The program began in 2014 as a partnership between Bellin Health Oconto Hospital and Oconto High School along with Bellin College to create this unique 12-week course which provides:

- An overview of health care delivery
- Job shadow experiences in a variety of health care careers
- An Emphasis on viewing health care as a business

Participants are enrolled as Bellin College students, and upon successful completion of the course, the students receive high school credit and three general education college credits from Bellin College (Healthcare 100).

## DISTANCE LEARNING COURSES

*We encourage all students to explore courses in all areas regardless of stereotypical beliefs about traditional male and female roles.*

*Students taking Distance Learning NWTC courses earn dual credit. Students who successfully complete these classes will receive credit high school and technical college credit.*

Students are encouraged to sign up for Distance Learning courses, depending upon if prerequisites are met, but students must understand that:

1. Once a student commits to a NWTC Distance Learning course, he/she is obligated to follow the NWTC drop deadline and will be charged the cost of the course if dropped after the deadline.
2. One semester Distance Learning courses may be moved from one semester to another. Students who sign up for a semester class must be flexible to change that class to the opposite semester if needed.
3. Enrollment in a Distance Learning course requires a special commitment. Students must be able to work independently, in addition to exercising good judgment in the area of conduct. Students may not always have access to having homework/assignment questions answered immediately.
4. Administration reserves the right to deny admission into a Distance Learning course

The following NWTC Distance Learning courses are typically offered:

- American Sign Language I
- American Sign Language II
- Basic Anatomy
- Medical Terminology
- Digital Literacy for Healthcare
- Culture of Healthcare
- Introduction to Sociology
- Mathematical Reasoning
- Energy - Intro Renewable and Sustainable
- Business Principles
- Selling Principles
- College 101
- Courts/Jurisdiction
- Developmental Psychology
- Introduction to Diversity Studies
- Principles of Sustainability
- Intro to Ethics
- Introduction to Psychology
- Paralegal Introduction - Legal Ethics

*\*\*Course times and availability may change. Check with the Student Services Office for updates\*\**