

Berlin High School



Registration Handbook 2024-2025

Berlin High School is committed to focusing on high expectations and, in partnership with the community, prepares all students to be college and career ready as well as lifelong learners, who are productive, empathetic members of society.

High School
Mission
Statement

FOREWORD

To Berlin High School Students and Families,

This registration handbook has been prepared to provide you with important information critical to decision-making regarding your ideals and future at Berlin High School and in the world of work.

We have high expectations and hopes for our students, both within the walls of our classrooms and among our community as future graduates. We believe that your active participation in academic and career planning is critical to your high school and life success. I urge you work with your parents, teachers and school counselors to develop a plan for each of your high school years. That plan will assure your meeting the graduation requirements and the requirements to a post-high school education or vocation.

You can demonstrate **Berlin PRIDE** within this process:

- **Be Prepared** – Read the course descriptions, look at the career pathways for recommendations, and keep track of your four-year plan on the back cover.
- **Be Responsible** – Keep this handbook and bring it with you when you discuss your course selection with counselors and family members.
- **Be Involved** – Take ownership in your selections by understanding prerequisites and discussing course ideas with teachers.
- **Be Dignified** – Select rigorous courses and consider your personal strengths and career goals to better prepare yourself for adult life.
- **Be Empathetic** – Be open to new learning experiences and working with a diverse group of students and teachers in your course selection.

Berlin High School has made a commitment to you by dedicating ourselves to helping you become a better student, individual and member of today's society. Do your best by becoming involved in school academics and activities. Help make Berlin High School a better place because you are here. Have a great year!

Bryant Bednarek, Principal

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Pupil Nondiscrimination Statement

It is the policy of the Berlin Area School District that no person may be denied admission to any public school in this district or be denied participation in, be denied the benefits of, or be discriminated against in any curricular, extra-curricular, pupil service, recreational, or other program or activity because of the person's sex, race, national origin, ancestry, creed, pregnancy, marital or parental status, sexual orientation, or physical, mental, emotional, or learning disability or handicap as required by S118.13 Wisconsin Stats. This policy also prohibits discrimination as defined by Title II of the Education Amendments of 1976; the Age Discrimination Act of 1975; Title IX of the Education Amendments 1972 (sex); Title VI of the Civil Rights Act of 1964 (race and national origin); and Section 504 of the Rehabilitation Act of 1973.

The district encourages informal resolution of complaints under this policy. A formal complaint resolution procedure is available to address allegations of violations of the policy in the Berlin Area School District office.

Any questions concerning this policy should be directed to: Dr. Emmett Durtschi, Superintendent, Berlin Area School District, 295 E. Marquette Street, Berlin, WI 54923; 920-361-2004

Welcome

To both returning and new students, Berlin High School extends a hearty welcome!

We are a school of rich heritage. Founded in 1861, we have graduated students who have taken a prominent place in many professions including law, industry, military, science, education, plus many other individuals who in their respective places, have made our communities a better place to live.

You will find in this book much detailed information about the inner functioning of our school. If you keep in mind that the basic reasons for the existence of our school is the development of democratic citizens, you will then see the reasons for the many inner functions of our school.

Something that cannot be put in writing is the spirit of good fellowship and loyalty that we like to feel is characteristic of our students. We know that you will live up to the demands of this fine tradition.

Philosophy

At Berlin High School, we believe that we should provide all students with experiences that will enable them to reach their academic potential, develop physical and mental health, and prepare them to use their time profitably.

We believe all students should understand the heritage of their country and the principles of democracy, and be responsible and productive members of society.

We believe the school should continually investigate educational research and when advisable revise course content and methods to improve the school program.

Offerings Impacted by Staffing changes and Enrollment

While this booklet outlines potential offerings, the ability to offer certain classes is dependent upon staff certification and availability. Some courses may lose dual credit status or may not be offered at all if staffing changes impact the ability to offer those classes. Courses also may not run if they do not meet the minimum threshold for interest and enrollment. A final master schedule is developed in August. Should a class not run, school counselors will work with students to find a suitable alternative.

Comprehensive Program

The educational program provided by Berlin High School is of a comprehensive nature. As such, it provides for two general kinds of educational experiences—the regular classroom activities and those we call extracurricular. Together they form an integrated whole aimed toward achieving stated objectives. The courses of study are recognized as the essential part of the educational process while the extracurricular are supplementary and informally educational.

The courses of study, as set forth in this book, are designed to provide for the basic as well as the unique educational needs of each student. The meeting of individual needs is provided in elective courses and in adapting the content and instruction of courses to the needs of individual students. Course content is planned to develop knowledge, understanding, attitudes, ideals, habits, and skills, which are important for a full life in American democracy.

Attendance

Research has shown that missing two or more days per month of school, even excused absences, can negatively impact on academic success. Students who will be absent from school must have a parent/guardian contact the attendance secretary for excused reasons such as illness, appointments or other pre-arranged absences. Students with absences without parent/guardian consent will be recorded as unexcused. BHS follows county truancy regulations and issues warning letters and referrals to truancy court for excessive absences.

Per School Policy, if a student is absent from class without permission for 15 minutes or more, they are considered absent for the period. The absence counts as one day towards Truancy.

Per state statute, “a student is considered truant if they are absent without an acceptable excuse for all or part of one or more days during which school is held. A student qualifies to be habitually truant when they are absent without an acceptable excuse all or part of five or more days in a school semester, Wis. Stat. sec. 118.16(1)(a) and (c).

It is important that your child is at school each day to receive the maximum benefit from the classroom environment. Instruction and classroom participation occurs each day and is important for continuous learning. Please make attendance at school a priority for your child.

Student Services

School counseling services are provided for all students. Students are alphabetically assigned a counselor who is available to them and their parents throughout their four years of high school for assistance with their academic program and career path. School counselors help students make the transition from middle to high school, facilitate the passage through high school, and help with post-secondary planning. Counselors work with students in academic, career, and social/emotional areas during high school.

Counselors provide support by meeting with students to select courses and make adjustments to four-year plans as necessary throughout high school. Social and emotional support is available for conflict resolution, peer pressure concerns, social difficulties, and mental health struggles. For these concerns, students may see whichever counselor is available at that time, regardless of whom they are assigned to for academic planning. Referrals to private or agency mental health supports may be made per request. The laws of confidentiality and mandatory reporting apply.

Vocational services give information on a variety of occupational choices. Assistance in post-secondary planning (college, vocational school, technical school, job entry, military enlistment) is also provided. Students may use printed vocational information and online resources in the counseling office and access even more resources on the Berlin High School website. Informational meetings for students and parents regarding university and technical college preparation and financial aid information are held throughout the year. Representatives from technical colleges, universities, and military branches regularly visit the high school to talk to interested students.

All students with the last name beginning with A-L will be assigned to Ms. Ragus and those with the last name beginning with M-Z will be assigned to Mr. Willett.

New Student Enrollment

When enrolling at Berlin High School, a parent or guardian must accompany a new student. The student will then be assigned a counselor for the purpose of assistant general with course selection, providing an orientation to the high school, and providing counseling as the need arises. The parent or guardian will be required to provide verification of residence and to provide authorization for the release of records from the previous school. **The registrar must view a certified copy of a student's birth certificate.** Those students with suspected exceptional educational needs might first have a staffing meeting prior to regular school attendance to determine the most appropriate educational program.

Registration Procedure

This course catalog lists course information and graduation requirements for Berlin High School. Students, parents, and counselors will use this document to create for each student a rigorous academic program that takes the following important questions into account:

1. Are graduation requirements met?
2. Are college/continued study entrance requirements met?
3. Are courses that are appropriate to abilities and career interests selected?

Students should:

1. Use this catalog to find courses offered at Berlin High School.
2. Work with parents and counselors to create a preliminary four-year course of study that fulfills graduation requirements. This plan will be reviewed at yearly meetings with counselors.
3. Use the course planning chart on the back cover to prepare for registration.

Classification of Students

Students at BHS are expected to earn the following numbers of credits each year to ensure timely graduation:

- Freshmen (first-year students): minimum 6 credits earned by end of the year
- Sophomore (second-year students): minimum 12 credits earned by the end of the year
- Junior (third-year students): minimum 18 credits earned by the end of the year
- Senior (fourth-year students): must earn 24 credits by the end of the year to be eligible for graduation

Course Selection

When reading the course descriptions contained in this catalog, please note course sequencing. Prerequisites are listed in the course headings. Students need to follow the sequence of classes. In special situations, students may select advanced placement with the consent of the principal and instructor. Students in grades 9-12 must take a minimum of 6.5 credits each year.

- 1 credit is given for each class that meets on a five-day per week schedule over the span of two semesters.
- 0.5 credits are given for classes that meet on a five-day per week schedule over the span of one semester.

Use the Career Cluster Programs of Study to help select courses that will prepare students for specific career goals. These Programs of Study are specific to courses at BHS and serve as guides or ideas for appropriate and helpful core and elective courses to plan to take during high school.

Course Failure Procedures

Students failing a semester of a **required** class are **required** to repeat it (or its equivalent, if available), and the new grade replaces the “F” on the transcript and in the GPA. See course descriptions for specific class policies. Students who fail a semester of an **elective** class may **choose** to repeat the course, and the grade is replaced as described above. Students may choose to repeat a course in order to earn a higher grade; however, the same procedures for replacing the grade apply as above and no dual credit will be awarded.

Change of Schedule

Course selection during the registration period will be considered as a commitment on the part of the student and parent. Request for program changes may be accepted within the first four days of the semester with a completed BHS add/drop permission sheet, after which the drop/add policy begins. Students looking to drop/add a course after the first four days of the semester must meet with their counselor to discuss the change, complete a BHS drop/add permission sheet, and receive teacher approval. Teachers determine if the course may be dropped with or without an “F” grade. BHS discourages schedule changes because of desiring a teacher change due to numerous reasons, one being the intricacies of the master schedule and the BHS philosophy of wanting to encourage our students to meet the challenges they may face with certain classes and/or personalities. We understand extenuating circumstances do happen and one teacher change per student per high school career will be allowed.

Graduation Requirements

A total of 24 credits must be the minimum earned by students before they are eligible for graduation. Of these credits, 14.5 are in required fields of study and must be successfully completed. These credits represent only the minimum requirements. All students are encouraged to take more electives in these respective areas of study.

Content	Requirement
English	4 credits including: <i>Freshman English (1.0)</i> <i>Sophomore English (0.5)</i> <i>Sophomore Literature (0.5)</i> <i>Early American Literature (0.5)</i> <i>Contemporary American Literature (0.5) or</i> <i>CAPP Contemporary American Literature (0.5)</i>
Mathematics	3 credits
Science	3 credits including: <i>Science Foundations (1.0)</i> <i>Biology (1.0)</i>
Social Studies	3 credits including: <i>U.S. History – 1914-1945 (0.5)</i> <i>U.S. History – 1945-Present (0.5)</i> <i>Western Civilization (0.5)</i> <i>Modern World Studies (0.5)</i> <i>Economics or Honors Economics (0.5)</i> <i>Practical Politics or Honors American Government and Politics (0.5)</i>
Health	<i>(no credit if taken in middle school, but completes requirement)</i> <i>.5 credit if taken in high school</i>
Physical Education	1.5 including: <i>Phy Ed 9 (0.5)</i> <i>Phy Ed 10 (0.5)</i>
Additional Credits	9.5 credits including: <i>Elective or additional core courses</i>
Total	24 credits

Additional College Requirements

A prospective university student must meet entrance requirements by taking required core courses, meet class rank requirements, and achieve set academic standards on standardized assessments. Core requirements include:

- Four years of English courses
- Three or four years of Math courses including Algebra I, Geometry, and Algebra II
- Three or four years of Science courses including Biology, Chemistry, and an advanced science
- Three years of Social Studies courses.
- Two years of the same foreign language (required for UW-Madison; recommended for 4-year universities)

Early Graduation Requirements

Students seeking to graduate early from high school should complete the following steps:

- Students meet with the counselor to determine credit status and need for early graduation.
- Students meet with the principal to complete early graduation intention form that must be signed by parents/guardian and returned to the counselor.
- The counselor reviews the form and transcript to ensure all requirements have been met and sends to principal for final approval and notification.
- Students who graduate early are no longer eligible to participate in extra-curricular activities.
- The earliest that students may apply to graduate early is one semester early.

Fees

Books are furnished by the school district. Any book damage will be subject to a book fine assessed by the teachers. Following is a list of courses or items for which user fees are charged:

Item	Fee
Basic Fee	\$35.00
Technology	\$20.00
Bowling (Gr. 10)	\$30.00
Body Sculpting	\$50.00
Instrument Rental	\$30.00
Lifetime Activities	\$50.00
Weight Training	\$50.00

All fees are subject to change. Additional charges will be assessed as necessary in classes where students construct projects they keep or consume materials (example: Furniture/Cabinet Making). Should you be experiencing financial hardship, please contact the school.

Testing at BHS

The testing program at BHS includes the following assessments:

- PreACT – administered in April and required by the state for students in grades 9 and 10. (*Math, English, Science, Social Studies*)
- ACT – administered in early March and required by the state for students in grade 11. (*Math, English, Reading, Science, Writing*). Additionally, national test dates are offered on-site for September or October. Students may elect to take the ACT at another national test date off-site. All ACT test dates outside of the state-mandated assessment are required to sign up and pay individually through www.actstudent.org. Students requesting a fee waiver for national test dates should see their counselor. Berlin High School's ACT Code is: 500200.
- FORWARD – administered in April and required by the state for students in grade 10. (*Social Studies*)

Grade Points, Honor Roll, and Class Rank/Laude System

Grade Point Averages are calculated at the end of each semester. GPAs are calculated dividing the total grade points by the number of classes. Honors are determined by GPA and use the following classifications:

Honor Roll	GPA
Superior Honors	3.8 and above
High Honors	3.2-3.79
Honors	3.0-3.19

Any "Incomplete" must be made up before a student will be included in an achievement listing. Incomplete grades turn to F grades if the work has not been completed two weeks after the grading period. In extreme cases, consideration will be given to waiving time limitations.

Grade	Regular Classes Grade Point	Honors Classes Weighted Grade Point*
A	4.0	5.0
A-	3.7	4.7
B+	3.3	4.3
B	3.0	4.0
B-	2.7	3.7
C+	2.3	3.3
C	2.0	3.0
C-	1.7	2.7
D+	1.3	2.3
D	1.0	2.0
D-	0.70	1.7
F	0	0

***Honors classes are weighted only for the class of 2025, as other classes fall under the Laude System**

Academic Awards: Each semester that a student achieves the honor roll, they are awarded points: 3 for superior honors, 2 for high honors, and 1 for honors. A student can earn awards based on the following formula:

	Academic Letter	1 st Bar	2 nd Bar	3 rd Bar
Class of 2024	12 points	18 points	21 points	24 points
Class of 2025 and beyond	9 points	15 points	18 points	21 points

An Academic Awards Breakfast is held each semester to honor students and present the awards.

Class Rank for students who graduate in or prior to May 2025: Berlin High School considers GPA – honors credits – total credits. Students are ranked at the end of their junior year and at the end of the first semester of their senior year (final rank). Rank formula is determined by using the students' cumulative GPA multiplied by the total number of credits the student has earned. This amount is then divided by the possible number of credits that could have been earned by the student according to board policy 5430. This amount is then added to the students' Cumulative Grade Point Average to result in their final Class Rank number. This formula is used to accurately represent and identify students who have challenged themselves and enrolled in the maximum number of courses and also in challenging courses throughout their school career.

Laude System for students who are a part of the Class of 2026 or after: Students can earn academic distinction through the BHS Laude system. A student is given a Laude score by multiplying their cumulative GPA (non-weighted) by the number of Laude points they have earned. Laude points are earned by taking and passing classes on the [Laude list](#). Students can then use the [Laude Chart](#) to determine their distinction. Students earning Laude distinction are honored with colored cords at graduation. More information about the BHS Laude System can be found on the school website. Courses that are eligible for Laude points for the 2024-2025 school year have the following icon next to the course description:



Senior Release

Seniors can apply for up to two periods of senior release in a school year. Additional periods could be granted with special permission from the principal. Entering their senior year, students must have at least 19 credits and have had no attendance issues as a junior (i.e., unexcused tardies, absences, or truancy papers). Seniors must be passing all classes, attending school regularly, and be exhibiting appropriate behavior in and out of school to be approved. This privilege can be revoked due to excessive tardiness, unexcused absences, low or failing grades, or inappropriate behavior. Senior release forms are available in student services.

Independent Study

In the rare circumstance that a student has exhausted all other offerings in a department or due to a scheduling conflict, a junior or senior may be allowed to take an independent study. A maximum of two Independent Study experiences (a total of 1 credit) are allowed. A student who wishes to enroll in Independent Study credits will be required to receive written permission directly from the instructor who will be overseeing/grading the independent study. The official independent study drop/add will follow the current drop/add policies of BHS. Full completion of an independent study will result in the earning of 0.5 credits. Completion of an independent study will be approved and certified by the instructor.

College Credit in High School

Students who will be continuing their education after high school may be interested in the following options:

1. **Cooperative Academic Partnership Program (CAPP):** UW Oshkosh CAPP provides students the opportunity to earn concurrent high school and college credit at a reduced cost to students. In a CAPP course, students experience the challenge of college curriculum while in a high school environment. Students who take CAPP courses are enrolled as college students and whatever grade they receive will become part of their permanent college record. A failing or low grade could affect academic standing when enrolling in college full-time. It could also affect financial aid eligibility and, down the road, acceptance into graduate school. High school juniors or seniors who meet at least one of the following requirements can enroll in CAPP:
 - *Class rank in the top 30 percent*
 - *GPA of at least 2.75 on a 4.0 scale*

Other students may be eligible with approval of the University liaison, high school adjunct instruction and program director. Look for an UW-Oshkosh symbol next to courses that receive CAPP credit (see below).

2. **Moraine Park and Fox Valley Technical College Credit (TCC):** Technical college credit is awarded to students who successfully complete transcripted courses in high school at no cost to the student. Students who register for TCC courses should be aware that whatever grade they receive will become part of their permanent college record. A failing or low grade could affect academic standing when enrolling in college full-time. It could also affect financial aid eligibility and, down the road, acceptance into graduate school. Look for the Fox Valley and Moraine Park Technical College logos next to courses that receive transcripted credit (see below).
3. **Start College NOW and Early College Credit Programs (formerly known as Wisconsin Youth Options):** These programs allow a student to take courses at any time from an institute of higher education. These programs allow students to take courses at no or limited cost to the student, but students and families should be aware that these programs are not risk-free. Students who take these courses are enrolled as college students and whatever grade they receive will become part of their permanent college record. A failing or low grade could affect academic standing when enrolling in college or technical school full time. Students and families are also responsible for transportation to the institute of higher education. For more information about Start College NOW or Early College Credit Programs, contact a school counselor. The following table provides more information regarding these programs:

Information	Early College Credit Program	Start College NOW Program
Eligible Institutions	UW institutions and private institutions of higher ed	Wisconsin Technical Colleges
Eligible Grades	9-12	11-12
Eligible Semesters	Fall, spring and summer	Fall and spring
Eligible Students	Must be in good academic standing and have acceptable disciplinary attendance records	Must be in good academic standing and have acceptable disciplinary attendance records
Application and Notification	Application to the IHE and notification to the school board must be made in the school semester prior to the one in which the student plans to attend the post-secondary course.	Application to the IHE and notification to the school board must be made in the school semester prior to the one in which the student plans to attend the post-secondary course.
Deadline for Notification and Application	No later than March 1 for a fall course and October 2 for a spring course. No set date for summer course. Submission of the ECCP Participation Form and enrollment in post-secondary institution must be completed by these dates	No later than March 1 for a fall course and October 2 for a spring course. Submission of the Start College Now Application Form and enrollment in post-secondary institution must be completed by these dates

Early College Credit Program/Start College Now Disclaimer

These programs allow public high school students who meet specific requirements to take post-secondary courses at a UW institution, a Wisconsin technical college, or one of the state’s participating private, non-profit institutions of higher education. A maximum of 18 post-secondary credits may be earned. **State level legislation drives these programs, but they are subject to change. Please see your school counselor if you would like more information regarding these options.**



Moraine Park Technical College (TCC)

Fox Valley Technical College (TCC)

University of Wisconsin-Oshkosh (CAPP)

Summary of College Credit Opportunities

The following chart details the courses BHS offers for college credit:

Course Number	BHS Course Title	College/Course Name/Number	Type of Credit	Credit Hours
HON973	Publications II	UW-O/Writing for the Media/J-221	CAPP	3
HON976	Advanced Composition	UW-O/College English/ENG-101	CAPP	3
HON915	American Government and Politics	UW-O/American Government& Politics/POL-105	CAPP	3
HON997A/ HON998A	Calculus	UW-O/Calculus/MAT-171	CAPP	5
HON841	Contemporary American Literature-CAPP	UW-O/American Lit II/ENG-214	CAPP	3
HON994A/ HON995B	Pre-Calculus	UW-O/Pre-Calculus/MAT-108	CAPP	5
HON90A	Public Speaking	UW-O/Fund. of Speech Comm./COM-111	CAPP	3
HON992A	Statistics and Probability	UW-O/Elementary Stats/MAT-109	CAPP	3
CIS40	Intro to Computers	MPTC/Computer Literacy: Microsoft Office/103-159 MPTC/Document Formatting/106-120	TCC TCC	1 1
CIS42	MS Office I	MPTC/Microsoft Word/103-160 MPTC/Microsoft Excel/103-180	TCC TCC	2 2
CIS43	MS Office II & III	MPTC/Microsoft Access/103-181 MPTC/Microsoft PowerPoint/103-182	TCC TCC	2 3
CIS62	Intro to Business	MPTC/Intro to Business/102-110	TCC	3
CSI58B	Preparing for College	MPTC/College 101/890-101	TCC	2
ENG86	Oral/Interpersonal Communication	MPTC/Oral/Interpersonal Communication/801-196	TCC	3
ENG96	Written Communication	MPTC/English Composition I/801-136	TCC	3
FCE139	Foundations in Early Childhood Education	MPTC/ECE: Found. Early Childhood Education/307-148	TCC	3
CIS812	Marketing Principles	MPTC/Marketing Principles/104-102	TCC	3
CSI58B	College 101	MPTC/College 101/890-101	TCC	2
ITE164	Metal Tech II	MPTC/Manufacturing Processes/623-132	TCC	3
SPE333	Nursing Assistant-TCC	MPTC/Nursing Assistant/453-300	TCC	2
SCI806	Medical Terminology	MPTC/Medical Terminology/501-101	TCC	3
FCE141/ FCE142	Food Service I	MPTC/Sanitation and Safety/316-148	TCC	1
HON905	Animal Science II	FVTC/Animal Science Fundamentals/10-006-140	TCC	3
AGR20	Horticulture	FVTC/Introduction to Horticulture/10-001-111	TCC	3
Total College Credits Available at Berlin High School				73
*Course availability subject to change based on staffing				

Summary of Advanced Placement (AP) Courses

Advanced Placement (AP) courses enable students to pursue college-level studies while still in high school. AP courses are designed by The College Board (makers of the SAT) and are for high achieving students. Each course culminates in a rigorous exam. Post-secondary institutions often will honor success in AP classes by awarding college credit or qualify a student for more advanced placement in college. Berlin High School currently offers the following AP Courses:

- AP Psychology
- AP Physics 1 (Algebra Based)
- AP Music Theory

Summary of Honors Courses

***Honors courses are only recognized for the Class of 2025. All other students fall under the Laude System and can refer to the Laude Course list for classes of rigor.** Please be aware that Honors courses are recommended for students who display strong academic abilities. These classes are designated Honors courses due to the college level curriculum they provide or because of Honors projects that are required. They generally require a great deal of extra time and effort to complete. Students who are willing to work to this level are encouraged to take these courses. Honors courses are denoted with a course code of HON ____.

NCAA Eligibility

Students pursuing collegiate-level athletic experiences for Division I and II universities are responsible for the required registration with the NCAA Eligibility Center (<https://web3.ncaa.org/ecwr3/>) prior to their junior year. Additionally, students are responsible for ensuring that they meet NCAA Eligibility requirements. Students considering Division III athletics are encouraged to create a profile as well. In order to be eligible for Division I or II participation, students must meet a series of academic requirements including:

Full Qualifier	Academic Redshirt
Complete 16 Core Courses: <ul style="list-style-type: none">10 of the 16 must be complete before the senior year of high school.7 of the 10 core courses must be in English, Math, or Science.	Complete 16 Core Courses.
Minimum Core-Course GPA of 2.3.	Minimum Core-Courses GPA of 2.0
Meet the Competition sliding scale* requirement of GPA and ACT/SAT score.	Meet the Academic Redshirt sliding scale* requirement of GPA and ACT/SAT score.
Graduate from high school.	Graduate from high school.

*For more information about eligibility requirements: http://fs.ncaa.org/Docs/eligibility_center/Quick_Reference_Sheet.pdf

Students can see the current list of approved NCAA courses offered at BHS by stopping in student services.

Agriculture

Agriculture classes at BHS are designed to help all students become informed consumers. Every single person eats food, wears clothes, and at some point in time has used fuel or taken medicine. These things are made possible through agriculture. Through agriculture courses, you will gain a better understanding of not only where your food and clothing come from, but what it takes to create, grow, raise and produce these things as well. All students are encouraged to join the Berlin FFA Chapter to continue to strive for premier leadership, personal growth, and career success through agriculture education. FFA's main focus is to help students become better students, leaders, and people. Multiple opportunities are available to students to gain leadership skills, improve public speaking skills, and develop a passion that will hopefully lead to a bright and successful future.

Introduction to Agriculture – AGR21 Credits: 0.5

Grades: 9-12
Semesters: 1

Introduction to Agriculture is an introductory class. This class will allow students to sample the other classes offered in the Agriculture Department. Introductory units to each of the other classes offered will be taught to give students an understanding of the basics of agriculture and give them an opportunity to decide which agriculture classes they would like to take in the future. This class is recommended for freshman students and other students just starting out in the Agriculture Department.

Animal Science I – AGR04

Credits: 0.5

Grades: 9 -12

Semesters: 1

Animal Science is for anyone who loves animals! Come learn about the world of cows, calves, chickens, dogs, cats, rabbits and much, much more. We will focus on consumerism instead of production and farming. Each of us eat every day – let's learn about where our food comes from. We will cover everything from where our food really comes from to how to care for your pets. *Prerequisite: Introduction to Agriculture*

Agriculture Engineering – AGR07

Credits: 0.5

Grades: 9-12

Semesters: 1

Students will have the opportunity to get hands-on experience working with today's most modern farm equipment. We will discuss everything from the history of production agriculture to today's most advanced technologies in the field. We will take an in-depth look at the systems of tractors as well as get experience managing and designing our own farm entities. Students in the class will also investigate the world of alternative fuels and bio-fuels. *Prerequisite: Introduction to Agriculture*

Animal Science II -TCC - AGR15

Credits: 0.5 / 3 FVTC Credits (10-006-140)

Grades: 10-12

Semesters: 1

This class will go farther in depth about the domestic animals and topics taught in Animal Science I. In addition, genetics, operate conditioning, and animal welfare are taught. The focus of this class is NOT production, but consumerism through scientific principles. This class will help any student interested in the career of production, veterinarian medicine, A.I. technician, nutritionist, animal breeding, aquaculture, game warden, zoologist and so much more.

Prerequisite: Introduction to Agriculture and Animal Science I

Animal Science II -TCC- HON905

Credits: 0.5 / 3 FVTC Credits (10-006-140)

Grades: 12

Semesters: 1

In addition to fulfilling course requirement for Animal Science II (AGR15), students will choose a literacy-based project or a research project following the National FFA Agriscience research guidelines to be completed over the course of the semester. This class is being offered to the class of 2025 only as other grades fall in the Laude system. *Prerequisite:*

Introduction to Agriculture and Animal Science I

Farm to Table - AGR17

Credits: 0.5

Grades: 9-12

Semesters: 1

Not a farmer? No problem! Even if you are not a farmer, it is still important for you to know where your food comes from. Being home to more than 60,000 farms, Wisconsin has a diverse array of food products ranging from berries to vegetables to milk and cheese. If you want to learn more about the Wisconsin agriculture industry, its economic impact, create educational (and tasty) elements and market these products through labs every week - this class is for you!

Prerequisite: Introduction to Agriculture

Horticulture - TCC – AGR20

Credits: 0.5 / 3 FVTC Credits (10-001-111)

Grades: 9-12

Semesters: 1

This is a hands-on course that includes the seeding, propagation of and growing plants in the BHS greenhouse for the annual spring plant sale, as well as landscape management work out in the BHS Native Roots Educational Gardens. Students will be expected to work outside and in the greenhouse on favorable days and must be willing to get their hands dirty. BHS greenhouse and garden work varies depending on the season. Course curriculum is aligned to the Wisconsin Technical System Horticulture guidelines, giving students the opportunity to earn technical college credit upon completion of this course. *Prerequisite: Introduction to Agriculture*

Agriculture Business – AGR351A

Credits: 0.5

Grades: 9-12

Semesters: 1

Agriculture Business is a class that will focus on what it takes to establish and run a successful business in the agricultural industry. Topics covered will include cooperatives, market research, advertisement and promotion, product design, record keeping, and more. We will be working with agriculture businesses in the Berlin community and surrounding areas to get their advice and secrets to running a successful agriculture business. *Prerequisite: Introduction to Agriculture*

Wildlife and Natural Resources – AGR25

Credits: 0.5

Grades: 9-12

Semesters: 1

Come join us as we explore the great outdoors! This semester-long class will focus on the past, present, and future conservation and natural use of our fish, forestry, and wildlife resources. Students will gain hands-on opportunities in the school woods, creating taxidermy projects, decoys, fishing rods, and the opportunity to earn their hunter safety certification. This class is for the outdoor enthusiast. *Prerequisite: Introduction to Agriculture*

Art

The arts are an essential and fundamental part of a student's education. The arts cultivate creativity, discipline, and teamwork. These skills are necessary to succeed both during and after completion of school. The process involved in creating art develops one's creative thinking and imagining, problem solving, creative judgment in cooperation with other mental processes. Students trained in art related skills have greater assurance of opportunity in an expanding job market. Art classes at Berlin High School are designed to provide experiences related to both individual and class goals. The order of events and involvement related to these experiences are subject to individual needs, abilities, and talents. Our art program provides an opportunity for the individual to discover his/her greatest potential for self-expression and gratification.

Note: It is common that level II and level III classes run together in the same section, sometimes with the level I class. For these reasons, students should not plan to take more than one level of a course per semester.

Art I – ART20

Credits: 0.5

Grades: 9-12

Semesters: 1

A basic survey course which covers the fundamentals of a variety of art techniques in two and three-dimensional design. Areas to be studied will be design elements and principles, with an emphasis on drawing, painting, sculpture, ceramics, and art history. The diversity of art materials being explored prepares the student for the upper-level art classes.

Art II – ART19

Credits: 0.5

Grades: 9-12

Semesters: 1

Art II is an extension of Art I as it continues to cover fundamentals within a variety of media not covered in Art I. Exploration will continue studying techniques in two-dimensional and three-dimensional design. Units will emphasize art elements and principles of design while exploring media in illustration, glass, metals, sculpture or clay. *Prerequisite: Art I*

Illustration and Design I – ART21

Credits: 0.5

Grades: 9-12

Semesters: 1

This course emphasizes continued drawing skill studies to better develop ideas that solve art problems. Students will learn to understand the design concepts through the use of various drawing materials. Methods of drawing and printmaking are introduced and will lead to the creation of product/package design, fashion illustration, wildlife drawing, book illustration, calendar art, and logo design. Many of the projects are geared to have the opportunity to compete in various art competitions. *Prerequisite: Art I*

Illustration and Design II – ART22

Credits: 0.5

Grades: 10-12

Semesters: 1

See description for Illustration and Drawing I with addition of higher expectations and substitution of independent work. *Prerequisite: Illustration and Design I*



Illustration and Design III – ART23

Credits: 0.5

Grades: 10-12

Semesters: 1

See description for Illustration and Drawing II with the substitution of advanced independent work. *Prerequisite: Illustration and Design III*



Drawing and Painting I - ART24

Credits: 0.5

Grades: 9-12

Semesters: 1

Students have the opportunity to explore the two dimensional aspects of drawing and painting. Expanding on their knowledge of art elements, students will focus on composition with an emphasis on design principles. The knowledge and skills developed through drawing are used as solutions to painting problems. Various methods are used, both experimentally and traditional. Included will be the study of pencil, ink, charcoal, pastels, conte crayon, watercolors and acrylics. Students will learn various painting styles; modern and traditional. Artists, art history, and process will be included in the area of study. *Prerequisite: Art I*



Drawing and Painting II - ART25

Credits: 0.5

Grades: 10-12

Semesters: 1

See description for Drawing & Painting I with addition of higher expectations and substitution of independent work. *Prerequisite: Drawing and Painting I*



Drawing and Painting III - ART26

Credits: 0.5

Grades: 10-12

Semesters: 1

See description for Drawing & Painting II with the substitution of advanced independent work. *Prerequisite: Drawing and Painting II*

Sculpture and Metals I - ART27

Credits: 0.5

Grades: 9-12

Semesters: 1

Sculpture provides the student with opportunities, knowledge and skills needed for expression in three-dimensional form. Students will study the foundation of sculpture and jewelry. Exploration in paper, foam, wood, plaster, metal, cardboard, wire, clay and recyclables will be included. Methods will include carving, modeling, and assembling. Students will develop the skills and understand the process involved in the study of jewelry making. A basic understanding of the needs and problems of designers in this field will be studied. Areas of concentration are: pewter casting, acid etched copper, cutting and soldering silver, bezel stone setting, forging metal and lost wax casting. Art history and cultural jewelry design will be integrated into the course work. *Prerequisite: Art I*



Sculpture and Metals II - ART28

Credits: 0.5

Grades: 10-12

Semesters: 1

See description for Sculpture & Metals I with addition of higher expectations and substitution of independent work. *Prerequisite: Sculpture and Metals I*



Sculpture and Metals III - ART29

Credits: 0.5

Grades: 10-12

Semesters: 1

See description for Sculpture & Metals II with addition of higher expectations and substitution of independent work. *Prerequisite: Sculpture and Metals II*

Ceramics I - ART30

Credits: 0.5

Grades: 9-12

Semesters: 1

Students will be concerned with problems of designing in clay. Topics covered are: sculptural and functional forms for everyday use, pottery formation-pinch, coil, slab, mold and wheel thrown along with surface decoration including glazing and firing methods. The relationship of clay to chemistry, geology, and early culture will be emphasized. *Prerequisite: Art I*



Ceramics II - ART31

Credits: 0.5

Grades: 10-12

Semesters: 1

See description for Ceramics I with addition of higher expectations and substitution of independent work. *Prerequisite: Ceramics I*



Ceramics III - ART32

Credits: 0.5

Grades: 10-12

Semesters: 1

See description for Ceramics II with addition of higher expectations and substitution of independent work. *Prerequisite: Ceramics II*

Glass & Fibers I – ART40**Credits: 0.5****Grades: 9-12****Semesters: 1**

This course is very practical in terms of value beyond the classroom. Projects are designed with an emphasis on the appreciation of cultural arts and crafts. Areas of study include fabric design, glass, mosaics, basketry, fiber arts (weaving/sewing), papermaking and book construction, and sand painting. These projects are made with an understanding and appreciation of world cultures. *Prerequisite: Art I*

**Glass & Fibers II – ART41****Credits: 0.5****Grades: 10-12****Semesters: 1**

See description for Glass & Fibers I with addition of higher expectations and substitution of independent work. *Prerequisite: Glass & Fibers I*

**Glass & Fibers III – ART42****Credits: 0.5****Grades: 10-12****Semesters: 1**

See description for Glass & Fibers II with addition of higher expectations and substitution of independent work. *Prerequisite: Glass & Fibers II*

Housing & Home Furnishing – ART43**Credits: 0.5****Grades: 9-12****Semesters: 1**

This course includes a study of selecting, furnishing, financing and maintaining a home. Some of the learning experiences include: learning the history of housing styles, evaluating floor plans, designing rooms, developing color schemes, arranging furniture, and selecting draperies and accessories. The course is orientated to such concerns as consumer needs, conservation of energy and changes in technology. Emphasis will also be placed on employability skills and job opportunities as they relate to the housing industry.

Sewing I – ART50**Credits: 0.5****Grades: 9-12****Semesters: 1**

This class is designed to acquaint students with the many aspects of the clothing industry. Topics include: the history of fashion, characteristics of fibers, garment care, consumer needs, sustainability, and garment construction. Some of the learning experiences include: designing garments, exploring careers in the clothing industry, learning basic hand stitches, and learning basic sewing machine use and care. Basic sewing supplies will be provided.

Sewing II – ART51**Credits: 0.5****Grades: 9-12****Semesters: 1**

See description for Sewing I with addition of higher expectations and substitution of independent work. Sewing II is not on the Laude list as Art I is not a prerequisite of Sewing I. *Prerequisite: Sewing I*

**Sewing III – ART52****Credits: 0.5****Grades: 10-12****Semesters: 1**

See description for Sewing II with addition of higher expectations and substitution of independent work. *Prerequisite: Sewing III*

Media Production - ITE268**Credits: 0.5****Grades: 9 -12****Semesters: 1**

This course will cover an introduction to digital media production techniques using Adobe Photoshop. Students will explore units in design, photography, video production and audio production techniques. During the photography unit, students will be learning the basics of how to use a camera, photographic composition, basic darkroom and digital editing procedures. Students will be producing original videos, music and photographs.

Advanced Photography - ITE264A

Credits: 0.5

Grades: 9 -12

Semesters: 1

This course will take the Berlin High School student beyond an introduction to photography. The student will learn different techniques for both black and white film and digital media. The BHS student will explore film photography, photographers and their techniques. You will learn different techniques for shooting pictures and with different types of developers. You will spend the majority of the lab time working on a portfolio consisting of Paper Photography work up to 16" x 20" in size and Digital Image work both small format and large format printing up to 24" x 36". *Prerequisite: Media Production*

Advanced Photography – Honors - HON957

Credits: 0.5 / 3 MPTC Credits

Grades: 12

Semesters: 1

This course is only offered to the Class of 2025 as other classes fall in the Laude system. This class will take the Berlin High School student beyond an introduction to photography. The student will learn different techniques for both black and white film and digital media. The BHS student will explore film photography, photographers and their techniques. You will learn different techniques for shooting pictures and with different types of developers. You will spend the majority of the lab time working on a portfolio consisting of Paper Photography work up to 16" x 20" in size and Digital Image work both small format and large format printing up to 24" x 36". The work for the honors credit would include a mounted, matted and framed print in the theme or style of a famed photographer. The student would also put together a multi-media presentation of the artists' work. Senior students may apply for and earn MPTC credits. *Prerequisites: Media Production*

Advanced Digital Media Production - ITE269

Credits: 0.5

Grades: 10-12

Semesters: 1

This course is a more in-depth study of the technologies introduced in Media Production. The class will reinforce the basics while providing opportunities for larger, more complex projects. Following the review assignments and the introduction to new course material, students will choose an area of concentration by specializing in one of the following areas of interest: Digital Communication, Digital Film, Animation, Digital Art or Digital Music. Students will then design a long-term project with the help of the Teacher and use the lab time provided to develop their skills in their chosen concentration.

Prerequisite: Media Production



Business Education

The business education program provides specialized instruction to prepare students for careers in business. Fundamental instruction is provided to help students assume their economic roles as consumers, workers, and citizens. Please see a member of the business education department for additional information about which courses to take for specific career paths, such as accounting and business management or administrative services.

Introduction to Computers - TCC - CIS40

Credits: 0.5 / 2 MPTC Credits (103-159, 106-120)

Grades: 9-12

Semesters: 1

This course is a must for anybody who plans on using computers in the future for any reason. It is taught as a self-paced online class in a face-to-face environment. The most important aspect of this class is to give students the ability and knowledge to use, troubleshoot and operate a personal computer. Students will not spend time keyboarding, instead they will develop computer skills and knowledge for school and work. They will learn computer skills pertinent for today's computer world. There are eight units in Introduction to Computers: Computer Literacy, Beginning Microsoft Word, Intermediate Microsoft Word, Advanced Microsoft Word, Microsoft PowerPoint, Google Apps, iPad Education Apps and Beginning Computer Programming. This course is recommended regardless of student's career interest.



Microsoft Office I – Word and Excel– TCC - CIS42

Credits: 0.5 / 4 MPTC Credits (103-160, 103-180)

Grades: 9-12

Semesters: 1

Business and colleges both agree that Microsoft Office is a must for all students planning to go on to technical college, four-year college or business. This course provides students with an overview of how businesses utilize computers and Microsoft Products. Using Microsoft Office, students will become experts in Microsoft Word and Excel. We will cover skills essential for today's computerized world. Microsoft Office students will become flexible learners in the rapidly changing world of computer technology, participate in interactive labs, experience assignments dealing with computer and information literacy and develop an appreciation of the World Wide Web. *Prerequisite: Intro to Computers*





Microsoft Office II –Power Point and Access–TCC-CIS43

Credits: 0.5 / 5 MPTC Credits (103-181, 103-182)

Grades: 10-12

Semesters: 1

This class introduces windows-based software that facilitates the design and creation of powerful presentation graphics in the form of text, drawings, animation, organizational charts and tables. Students will produce interactive documents with sound and video enhancements. They will also design and create databases, enter, sort and retrieve data, and produce reports. This is a hands-on class that integrates all of Microsoft's powerful products into various projects. *Prerequisites: Microsoft Office I*

Web Page Design: CIS53

Credits: 0.5

Grades: 9-12

Semesters: 1

In this course students will be exposed to various World Wide Web resources. Not only will they learn how to create web pages, they will learn how to use browsers, search engines, E-mail and up-load productions to the Internet. Dreamweaver and Flash will be employed to teach the fundamentals of web site design and operation. This course will take students beyond the basics of creating home pages and introduce them to powerful features such as Active Server Pages, forms and database linkages, cascading style sheets, user feedback forms, image maps, and simple CGI scripts. In addition, students will learn development of web design strategy and methods for creating graphics specifically for the World Wide Web. *Prerequisite: Intro to Computers*

Introduction to Business –TCC - CIS62

Credits: 0.5 / 3 MPTC Credits (102-110)

Grades: 9-12

Semesters: 1

This course introduces students to the world of business such as human resources, operations management, financial management, and marketing. Students will discover the types of business ventures available and the advantages and disadvantages of each.

Beginning Accounting --CIS52

Credits: 0.5

Grades: 9-12

Semesters: 1

An explanation of accounting basics will be introduced to students, including basic accounting principles, accounting concepts, and accounting terminology. We will present the basics of accounting through a story of a person starting a new business using manual accounting methods as well as computerized accounting software. Any students considering a career in accounting should take this course to gain a better understanding of what the career field looks like.

Marketing Principles -CIS812

Credits: 0.5 / 3 MPTC Credits (104-102)

Grades: 10-12

Semesters: 1

Exploring the dynamic world of Marketing Principles, this engaging and practical course helps students gain valuable insights into the core concepts and strategies that drive successful marketing campaigns across various industries. From understanding the power of social media to crafting effective product marketing plans, this course equips students with essential skills for navigating the contemporary marketing landscape. *Prerequisite: Intro to Business*

Marketing II – CIS813

Credits: 0.5

Grades: 10-12

Semesters: 1

This class builds on the skills and concepts of Marketing Principles. A primary function of this class is taking leadership in the school store. This class can be repeated one time with instructor's permission. *Prerequisite: Marketing Principles*

English

The English department offers courses in two strands: literature and communications. Besides taking required courses in both areas, students must choose additional electives to complete a total of eight semesters of English. Elective courses are offered in both areas and at basic and college-preparatory levels. Juniors and seniors may also take honors level courses. Students who are unsure of future plans should follow a college or technical school preparatory program. Students should also try to take a variety of classes from both areas. Although eight semesters of English are required, students may schedule additional English classes, depending on available room in their schedules.

Freshman English – ENG70/ENG71**Credits: 1.0 (REQUIRED)****Grades: 9****Semesters: 2**

Freshman English is an introductory course that reviews and strengthens the students' writing, spelling and vocabulary. Literature units include short stories, non-fiction, drama, poetry, and the novel.

Sophomore English – ENG67**Credits: 0.5 (REQUIRED)****Grades: 10****Semesters: 1**

Sophomore English continues to develop writing and organizing skills, reviewing skills previously presented and introducing new ones. Special attention will be given to a career research paper, public speaking skills, vocabulary, and the mass media as they have an impact in everyone's daily life. Some job search skills may also be covered.

Sophomore Literature – ENG68**Credits: 0.5 (REQUIRED)****Grades: 10****Semesters: 1**

Sophomore Literature continues to develop reading and writing skills, with emphasis on students' reactions to various forms of literature. Vocabulary study also continues.

Early American Literature - ENG76**Credits: 0.5 (REQUIRED)****Grades: 11****Semesters: 1**

Students will study the historical development of American literature and read representative writings.

Contemporary American Literature – ENG92**Credits: 0.5 (REQUIRED unless taking HON841)****Grades: 11****Semesters: 1**

Students will study the historical development of American literature from 1950 to the present and read representative writings. Students may also research a social problem represented in the literature. Students will also spend time analyzing the Internet and learning how to determine validity of Internet sources. *Students can elect to take this course for CAPP as a senior

Contemporary American Literature CAPP – HON841**Credits: 0.5 (Can be taken in place of ENG92) / 3 UWO Credits (ENG-214)****Grades: 12****Semesters: 1**

Students will study the historical development of American literature from 1950 to the present and read representative writings. Students may also research a social problem represented in the literature. Students will also spend time analyzing the Internet and learning how to determine validity of Internet sources. *Prerequisite: Advanced Comp HON976/HON976A*

*Elective Courses***Writing for Publication – ENG80/ENG81****Credits: 1.0****Grades: 9-12****Semesters: 2**

Various aspects of newspaper production are covered in Writing for Publication. These include units in news writing, feature writing, sports reporting, copyediting, interviewing, headlines, editorials, columns, advertising, libel, printing, and graphic design. Students will be part of the **Red 'n' Green** staff. The course will introduce students to desktop publishing. *Prerequisite: Open to grade 9 students with instructor approval.*

Publications I – ENG260/ENG261**Credits: 1.0****Grades: 10-12****Semesters: 2**

Students in Publications I are responsible for production of the **Red 'n' Green**. They will hold various minor editorial positions and will report to the editor-in-chief. They will gain knowledge in layout, photography, advertising, business, graphics, and copyediting in a teamwork environment. *Prerequisite: Writing for Publications and approval by instructor*

Publications II – ENG263/ENG264**Credits: 1.0****Grades: 11-12****Semesters: 2**

Students work for a second year on the **Red 'n' Green**, possibly holding the role of editor-in-chief. *Prerequisite: Publications I – ENG260/ENG261 and approval by instructor*





Publications II – Honors – CAPP HON973 or non-CAPP HON901

Grades: 12

Credits: 0.5 (may be repeated for a second semester) / 3 UW-O Credits (UWO J-221)

Semesters: 1

Students work for a second year on the *Red 'n' Green*. These students will act as editors-in-chief for at least one semester of the year. They will be responsible final proofing, assigning tasks to the rest of the staff, overseeing business functions, overseeing minor editors' tasks, writing at least four stories per cycle, designing layout, and designing ads. These students are also expected to be available to help with communication with the Writing for Publications' staff. This class will be for honors credit, due to the added responsibilities this class entails. *Prerequisite: Course ENG260/ENG261 and approval by instructor*

True Stories – ENG69

Grades: 11-12

Credits: 0.5

Semesters: 1

Students in this class will be able to explore creative non-fiction in areas of their own personal interest as well as assigned reading material from historical and current essays, articles found in journals and magazines, and book-length pieces. As they read, they will explore the issues and topics through discussion and activities as well as look at the craft and writing techniques used by the authors studied. Students will also begin to explore how writing can help them discover more about their interests as well as how they have become who they are and how they form their identity. They will be asked to write several different types of creative non-fiction including, but not limited to, memoirs, personal essays, literary journalism, and immersion writing.

Survival Stories – ENG99

Grades: 10-12

Credits: 0.5

Semesters: 1

The purpose of this course is to bring nature into the classroom from a literature perspective. Students will focus on contemporary environmental/nature issues along with their own personal journeys "into the wild" and their relationship with nature. This class will mainly use contemporary non-fiction literature.

Film as Literature - ENG82

Grades: 10-12

Credits: 0.5

Semesters: 1

Students will learn to critically and objectively view films while building an understanding of the influence popular culture has on society. Units may include novel adaptations for the screen, documentaries, popular historical films, film history, propaganda films, and themes in film and literature.

Creative Writing - ENG84

Grades: 9-12

Credits: 0.5

Semesters: 1

Creative Writing is designed to help the student understand the fundamentals of writing prose and poetry. Writing will be done on a daily basis with emphasis in the areas of poetry, short story, and other areas of special interest to the individual students.

Digital Communication -ENG95

Grades: 10-12

Credits: 0.5

Semesters: 1

Communicating in this day and age is much more than putting pen to paper. This course will develop students' communication skills through modern technologies such as podcasting, YouTube videos, and infographics as well as more traditional writings with a modern flare such as etiquette and structure when composing emails, newsletters, and resumes.

Human Spirit - ENG88

Grades: 11-12

Credits: 0.5

Semesters: 1

This course will deal with examples of courage and the quest for freedom throughout the history of the world. The course will approach these issues from a factual historical point of view and a literature-based viewpoint. While studying the historical facts and significance of various topics, the students will also be reading novels and other forms of literature that deal with these subjects.

Shakespeare - Honors – HON971

Grades: 10-12

Credits: 0.5

Semesters: 1

Students will study the life, times and works of William Shakespeare.





Advanced Grammar - Honors - HON972

Credits: 0.5

Students will study the formal principles of grammar, mechanics, and usage with emphasis on applying these principles to their writing. This class is recommended for juniors to prepare for the English section of the ACT test.

Grades: 10-12

Semesters: 1



Social Issues Research - Honors - HON977

Credits: 0.5

Through project-based learning, students will choose a social issue and complete a course of study that will include researching, fiction and non-fiction reading, problem-solving and developing and presenting solutions which will be presented to an authentic audience. This course is designed for advanced English learners who are motivated to work at an independent pace.

Grades: 11-12

Semesters: 1



Written Communication - TCC – ENG96

Credits: 0.5 / 3 MPTC Credits (801-136)

This class is offered for high school credit and technical college credit through Moraine Park Technical College. It is recommended for students who plan to attend technical school or who want an alternative to the honors Advanced Composition course. Students will develop their writing skills daily through essay writing, peer editing and grammar study. Students should expect to write 5-8 essays over the course of the semester.

Grades: 11-12

Semesters: 1



Oral/Interpersonal Communication - TCC – ENG86

Credits: 0.5 / 3 MPTC Credits (801-196)

Students will develop speaking, communication and listening skills through individual speeches, group activities, and other projects.

Grades: 11-12

Semesters: 1



Public Speaking – Honors – CAPP or non-CAPP – HON90A/HON91

Credits: 0.5 / 3 UWO CREDITS (COM-111)

This class delves into the art of speaking in real-life situations. The goal of this course is to make communication less stressful and more effective in the students' personal and professional lives. This course will include the ethics of public speaking, analyzing the audience, reacting to other speakers and the importance of effective communication.

Grades: 11-12

Semesters: 1



Advanced Composition – Honors – CAPP or non-CAPP – HON976/HON976A

Credits: 0.5 / 3 UW-O CREDITS (UWO ENG-101)

Advanced Composition – CAPP is a UW-Oshkosh Theme Based Inquiry Seminar that studies the theme, "Bridging the Generation Gap." In this course students will learn about the different generations ranging from the GI Generation to today's Y Generation. They will compare and contrast the generations by examining the pop culture, social issues, and other trends that shaped each generation. While exploring this theme, students will also develop and sharpen various essential writing skills. The course stresses expository and persuasive writing. Units include sentence and paragraph construction, development of thesis, improvement of style, use of source materials, review of grammar skills and vocabulary study. This course is recommended for students committed to pursuing a 4-year college post-secondary education.

Grades: 11-12

Semesters: 1



Family and Consumer Science

It is important for all individuals to purposely determine their own personal and family responsibilities. They must be able to lead and make decisions and judgments, which will influence their families, and create beneficial change throughout society. It is the perennial problems of the family that Family and Consumer Education bring into focus. Through dynamic activities and the building of intellectual skills, both male and female students have much to gain from the program. Traditional areas of study such as clothing and foods are an integral part of the program as well as the areas of consumer education, family life, childcare, housing, and wage-earning home economics such as food service and child care service.

Food for Living - FCE140/HTH103

Credits: 0.5

This course provides students with a foundation in nutrition and food preparation. Food topics include: kitchen equipment, measuring, and safety and sanitation. Nutrition topics include: MyPlate guidelines, making healthy food

Grades: 9-12

Semesters: 1

choices, carbohydrates, protein, fats, and vitamins and minerals. Students will work with content in the classroom as well as in the food lab setting. Foods for Living is a prerequisite for all other food classes, and it is required that students earn a “C-” grade or better in this course to be adequately prepared for subsequent courses.

Food, Family & Society - FCE147
Credits: 0.5

Grades: 10-12
Semesters: 1

This class is a continuation from our Foods for Living class. The class goes more in-depth with preparing more complex foods, as well as exploring past, present, and future food and how food affects our society in each of these stages. Main ideas include: history of food, multicultural food, traditional food, fast food, microwaves, breads, desserts, soups and stews, and others. The course also includes a service project chosen by the students. *Prerequisite: Food for Living*

Food Service I – FCE141/FCE142
Credits: 1.0 / 1 MPTC Credit (316-148)

Grades: 10-12
Semesters: 2

This course is designed to provide the background for students who wish to obtain possible employment in the food service industry. Students of food service must understand the concepts of meal planning, the importance of nutrition, the necessity for cost control and standardization, and the assurance of sanitation and safety in the preparation of food. The preparation and service of breakfast, lunch, and dinner foods. This class involves far more than just learning cooking skills for food service establishments. You will also learn how to improve and advance in the job market, why a positive attitude is important on the job, how to get along with your co-workers and supervisor, and how to resolve conflict on the job. In order to obtain credit for this course, you will be required to work some additional hours outside of the regular class period on food service projects. It is required that a student has earned a “C-” grade during the first semester of this course in order to advance to the next semester of Food Service (or consent of instructor). *Prerequisite: Food for Living*

Education for Parenting - FCE151/HTH102
Credits: 0.5

Grades: 10-12
Semesters: 1

Education for Parenting is a class for those interested in being parents, those interested in teaching young children in public and private schools, and those interested in other careers in child care such as a childcare aide. The first unit is **Planning for Children** that involves decisions to parent and readiness for parenthood. It reviews the responsibilities of becoming a parent. The second unit is **Understanding Children** and includes the essentials of child growth and development – physical, emotional, social and intellectual. It explores the parent’s role in influencing that development. Emphasis is placed on developing skills in guiding children’s behavior. The third unit is **Caring for Children** and explores how to best foster the healthy development of children in many environments. Feeding and clothing children, providing for healthy and safe children, understanding children in crisis, helping children with special needs and caring and educating young children are covered in detail.

Foundations in Early Childhood Education - TCC – FCE139/HTH101 not for TCC
Credits: 0.5 / 3 MPTC Credits (307-148)

Grades: 11-12
Semesters: 1

This class is aligned with the Moraine Park “Foundation in Early Childhood Education” course. Completing this class at Berlin High School gives students the opportunity to earn 3 MPTC credits. Class topics include: Early Childhood Education (ECE) history, ECE settings, quality programs, diversity, curriculum models, standards, and responsibilities of ECE professionals. Students will also visit Berlin Community Day Care one time per week. *Prerequisite: Education for Parenting*

Choices & Challenges - FCE153/HTH100
Credits: 0.5

Grades: 9-12
Semesters: 1

This course is designed to help young people improve their communication with family, friends and other members of society. Skills in decision-making and goal setting are explored to help better prepare youth to face the many choices and challenges during their lives. Topics covered include family, self-esteem, values, sexuality, relationships, domestic violence, pregnancy prevention, sexually transmitted diseases, and sexual assault. Local speakers address current subjects of interest such as personal safety, identity theft, and alcohol and drug issues.



Practical Living - FCE154/FCE155

Credits: 1.0

Grades: 11-12

Semesters: 2

Practical Living focuses on living skills necessary for a healthy lifestyle. Students will be actively participating in exercises in both the school and the community setting. Activities will include renting and upkeep of an apartment, community services, and job skills (interviewing, building resumes, customer service, etc.). Students will also conduct activities in the kitchen to learn how to plan and prepare healthy meals. Activities that focus on current personal/social issues will be presented and discussed. Financial responsibilities and consequences for today's youth will be addressed through many subtopics including paying bills, debit vs. credit, identity theft, insurance, etc. Healthy relationships will be addressed through activities related to family, parenthood, and dating. The Practical Living class will model healthy lifestyles for today's youth using a variety of teaching/learning techniques, including hands-on activities, field trips, guest speakers, community services, group work, discussions, and text activities.

World Language

Languages, cultures and activities across the world are becoming intertwined. The foreign language department encourages students to meet a future that will make ever-increasing demands for communication among the world's citizens and to work toward better understanding and cooperation among nations. Foreign Language strives to help students understand, speak, read and write languages and to possess, therefore, added skills when entering the job market. Many universities *suggest* a two-year minimum foreign language background for entering freshmen; UW-Madison is the only university in the state to require two-years foreign language.

Spanish I - WOR127/WOR128

Credits: 1.0

Grades: 9-12

Semesters: 2

Spanish I is an introductory course, which exposes the student to the basic sounds, vocabulary and structures of the language. Concentration is on pronunciation and communication in Spanish with emphasis on rhythm and intonation. The alphabet, greetings, numbers, telling time, family members and relationships, colors, days, months, weather expressions, asking and answering basic biographical information, schools and school supplies, and foods in Latin America and Spain are topics presented. Grammatical concepts covered include subject pronouns, gender and number of common nouns, adjective agreement, prepositions, and the forms and use of regular and some irregular present tense verbs and the future tense. Culture and customs are presented through the use of authentic readings, videos and music. Literacy skills are supported through the use of Spanish readings, such as short level-appropriate novels. There is a grade requirement of a C- or higher or instructor approval to continue to Level II Spanish.

Spanish II - WOR129/WOR130

Credits: 1.0

Grades: 9-12

Semesters: 2

Students review the basics from first year and continue to develop the skill of speaking. Reading and writing are also emphasized. Vocabulary is increased; verb knowledge is expanded to include the past and progressive tenses as well as additional irregular forms. CD's and DVD's are used to emphasize native pronunciation and offer cultural perspectives of Latin America. There is a continuation of the workbook from the first year. *Prerequisite: Spanish I (required grade of "C-" or higher, or instructor approval)*

Spanish III - WOR131/WOR132

Credits: 1.0

Grades: 10-12

Semesters: 2

Spanish III begins with grammatical review and then introduces more difficult structures of the language. Conversational speaking and composition writing on specified topics are stressed. Continued use is made of DVD's and CD's and cultural activities. Accompanying textbook is a workbook of exercises. *Prerequisite: Spanish II (required grade of "C-" or higher, or instructor approval)*

Spanish IV - HON933/HON934

Credits: 1.0

Grades: 11-12

Semesters: 2

The course consists of a grammatical summary and review. Concentration is on complex sentence and paragraph structures. Summaries and compositions are written. This course is listed for honors credit because of the amount and level of advanced reading and writing. *Prerequisite: Spanish III (required grade of "C-" or higher, or instructor approval)*





Spanish V - HON938/HON939

Credits: 1.0

Grades: 12

Semesters: 2

Spanish V is an advanced language course for those students who have successfully completed Spanish I through IV. It will be conducted almost entirely in Spanish with emphasis on advanced grammar constructions and beginning reading selections that will be discussed in the language. Nightly homework will be assigned as well as several projects and compositions. An honors project will be completed for each semester. *Prerequisite: Spanish IV (required grade of "C-" or higher, or instructor approval)*

Spanish for Heritage Speakers – WOR133

Credits: 0.5

Grades: 10-12

Semesters: 1

This course is for native Spanish speaking students who speak and understand conversational Spanish. The course assumes comfort with basic, everyday vocabulary such as that covered in regular Spanish 1-4 classes. It does not assume proficiency with spelling, grammar or other literacy skills; developing these skills is a major focus of the class. The class involves reading, discussion, grammar, spelling and composition - all in Spanish. We will work on expanding your vocabulary and mastering grammatical skills essential to higher-level classes. The class is most appropriate for those native-speakers who want to be able to read and write Spanish as well as speak it. *Prerequisite: Consent from the Foreign Language Department.*

Mathematics

The Math Department believes that every individual has a natural need for basic skills in the area of mathematics. From the everyday use of basic arithmetic to the advanced fields of mathematic research, everyone is involved and affected by the world of mathematics. As the abilities and interests of individuals may vary somewhat from one to another, so also will high school students' need for specific mathematical skills vary from one to another. Thus, the mathematics curriculum has been designed to provide each student with the opportunity to pursue his or her mathematics education along the lines of his or her greatest interests and to the utmost of his or her abilities. Whether the students' interests are vocational or academic in nature, some degree of proficiency in the area of mathematics will be of benefit. Recommended placement of 9th grade students will be based on 8th grade test and course data. Below are some possible sequencing scenarios based on different placements in 9th grade.

Grade 9	Algebra IA	Algebra I	Geometry
Grade 10	Algebra IB	Geometry	Algebra II
Grade 11	Geometry	Algebra II	Pre-Calc
Grade 12	Elective	Elective	Elective

Algebra I – MTH204/MTH205

Credits: 1.0

Based on placement

Semesters: 2

This course introduces problem solving techniques by the use of the literal numbers as described by the properties of the equalities and inequalities from the linear equation to the second degree in two variables. *Prerequisite: 8th grade recommendation*

Algebra IA – MTH173/MTH174

Credits: 1.0

Based on placement

Semesters: 2

This course is designed to give students access to the same standards covered in the first semester of Algebra I, but at a year-long pace. *Prerequisite: 8th grade recommendation*

Algebra IB – MTH175/MTH176

Credits: 1.0

Based on placement

Semesters: 2

This course is designed to give students access to the same standards covered in the second semester of Algebra I, but at a year-long pace. *Prerequisite: Algebra IA.*

Geometry – MTH190/MTH191

Credits: 1.0

Based on placement

Semesters: 2

In this course you will develop reasoning and problem-solving skills as you study topics such as congruence, similarity, properties of lines, quadrilaterals, triangles and circles. Real-life applications of topics covered will enhance the skills presented. *Prerequisite: Algebra I or Algebra IB and instructor approval recommended.*

Algebra 2 – MTH206/MTH207

Credits: 1.0

Based on placement

Semesters: 2

This course is a continuation and extension of Algebra I with some new topics added. An introduction to using technology, projects, explorations and technological explorations. It is strongly urged that the student has a graphing calculator. A TI83 is recommended due to its ease of use. ***This is not an honors course.*** *Prerequisite: Algebra I with a minimum grade of "B" recommended and Geometry*



Statistics and Probability –Honors -CAPP HON992A or Non-CAPP–HON992

Credits: 0.5/ 3 UW-O CREDITS (MAT-109)

Based on placement

Semesters: 1

Statistics and Probability is a class intended for the college-bound math student. This class would be beneficial for college-bound students intending to major in non-math related areas. Topics covered will include probability, distributions and measures of variation. *Prerequisite: Algebra II*



Pre-Calculus – Honors – CAPP HON994A/HON995B or Non-CAPP –HON994/HON995

Credits: 1.0 / 5 UW-O CREDITS (MAT-108)

Based on placement

Semesters: 2

This is a pre-calculus course that covers functions, their translations, and trigonometry. There is much emphasis on the graphical interpretation of these concepts and on the modeling of real-life situations. ***It is strongly urged that the student has a graphing calculator.*** A TI-83 is recommended due to its ease of use and spreadsheet ability. *Prerequisite: Algebra II with a minimum grade of "C" recommended*



Calculus – Honors – CAPP HON997A/HON998A or Non-CAPP –HON997/Hon998

Credits: 1.0 / 5 UW-O CREDITS (MAT-171)

Based on placement

Semesters: 2

This course is the equivalent of a first semester college calculus course. Topics covered will be limits of functions, derivatives, and integrals and their applications. *Prerequisite: Pre-Calculus with a minimum grade of "C" recommended*



Consumer Math - MTH194

Credits: 0.5

Grades: 11-12

Semesters: 1

This course looks both conceptually and mathematically at personal finance issues including income and income tax, saving and investing, loans and credit cards, retirement and insurance, major purchasing decisions such as buying a house or car, and budgeting. Consumer Math can be taken for math or elective credit. This course is for the 11th and 12th grade students and must be signed by a math teacher for approval. Cross content workplace readiness and business standards are addressed through activities that encourage students to be creatively involved in real life situations. *Prerequisite: Algebra I with a minimum grade of "C" recommended.*

Miscellaneous

Berlin High School recognizes the need to prepare all students for success in the workplace. Numerous credit and noncredit opportunities are available for students to further career exploration and participate in authentic work experience to improve employability skills.

Preparing for College – CSI58B

Credits: 0.5 / 2 MPTC Credits (890-101)

Grades: 10-11-12

Semesters: 1

This course will emphasize ACT test-taking strategies, for all subtests of the ACT (reading, English, math, science, and writing). Students will study and practice listening and note-taking techniques, test taking strategies, questioning and thinking skills, information retrieval, pre-ACT test practice, memory technique, reading in the content areas, and vocabulary development. Instruction will be personalized through technology resources and teacher supports. The course will also provide college and career readiness instruction including skills, college preparation, and study skills.





Aspiring Educators - MSC820

Credits: 0.5 (may be repeated for a second semester w/instructor approval)

Grades: 11-12

Semesters: 1

This course is designed to give students a first-hand look at what teaching is like. Students will be placed into an elementary or middle school classroom to assist that mentor teacher with instruction. The student may be asked to perform a variety of tasks that teachers perform each day including individual tutoring, small group instruction, bulletin boards, and clerical work. Students are expected to participate in all classroom activities and to work with the mentor teacher and the students in the classroom. Students will also meet periodically for instruction with the coordinator. During this time, there will be discussions about the experience, instruction on topics related to teaching and assignments given. The elementary or middle school classroom teacher will be the day-to-day mentor. Students can take this course two times during high school, for a total of 1 credit.



Nursing Assistant -TCC-SPE333

Credits: 1 (two class periods during second semester)/ 2 MPTC Credits (453-300)

Grades: 11-12

Semesters: 1

This MPTC course has an outcome of students earning their Certified Nursing Assistant (CNA) certificate. The class typically meets 2-3 times a week for the first half of the semester, with students needing to complete theory/bookwork independently or clinical hours on days when the class does not formally meet. Students will be expected to complete clinical hours and work hours in area nursing and hospital facilities as part of this class for the duration of the semester. Students will also need to comply with other requirements such as background checks, drug testing, and vaccination requirements of these facilities to participate in this class.

*MPTC Class

Work-Based Readiness –SPE332

Credits: 0.5

Grades: 11-12

Semesters: 1

This 1/2 credit class is **required** for all students who plan to participate in any work experience for credit at Berlin High School and can be taken at the same time as **Work-Based Learning**. Students can select this class as an elective even if they do not have a job currently. This class is recommended for **all** students to increase their knowledge about preparing for success in the world of work. **Students must receive a “C” grade or better in Work-Based Readiness or credit will be withheld for Work-Based Learning and work privileges will be terminated.**

Work-Based Learning –SPE330

Credits: 0.5 (may be repeated for three semesters)

Grades: 12

Semesters: 1

Students can register for one hour of Work-Based Learning (WBL) each semester. A maximum of 1.0 credits of WBL will be allowed for the year. Counselors in Student Services could approve special requests for student programming that would allow a student to be released two blocks during one semester. Students are required to work the same number of hours that they have been released from school. A high school staff person monitors the work experience. Students are responsible for securing their own jobs; however, their supervising teacher must approve placement. Students must be able to show a direct correlation between classes they have taken at school and their job. The job experience should provide training for the student’s future career area. Employment may be for pay or without pay at the discretion of the employer. The employer must agree to complete a student evaluation, complete a WBL agreement and sign the student’s work log twice a month. Students must have their parent’s approval to be in this class. **Students must receive a “C” grade or better in Work-Based-Readiness or credit will be withheld for Work-Based Learning and work privileges will be terminated. Prerequisite: Completion of / or current enrollment in Work-Based Readiness.**



Youth Apprenticeship Programs (Honors)

Credits: dependent on approval

Grades: 11-12

Semesters: dependent on approval

The Wisconsin Youth Apprenticeship Program offers opportunities for juniors and seniors to prepare for a career while still in school. Students in the youth apprenticeship program will: 1. explore their interest in a career by working in local business, 2. earn wages while learning from skilled professionals, and 3. be awarded a Certificate of Occupational Proficiency by the Wisconsin Department of Industry, Labor, and Human Relations that is recognized by businesses and trade associations statewide. Students will need to provide their own transportation and must have parental permission to participate in this program. Students will take one class each semester of their junior and/or senior year that is industry related and work 10-15 hours per week to learn work skills. **If you are interested in any of these programs or currently hold a job in any of these program areas and would like to receive credit for your work experience, see your counselor.**

Programs Available:

- **Agriculture, Food and Natural Resources** (Animals, Vet Assistant, Plants, Landscaping, Greenhouse, Environmental Services)
- **Arts, AV and Communications** (Graphic Design and Press)
- **Finance** (Banking, Accounting, Insurance)
- **Health Science** (Medical Office, Dental, Nursing Assistant, Dietary, Pharmacy Tech, Lab Tech, PT, Optometry)
- **Hospitality, Lodging and Tourism** (Food and Beverage, Lodging, Marketing, Management)
- **Informational Technology** (Info tech, Hardware, Software, and Web Design)
- **Manufacturing** (Assembly and Packaging, Manufacturing, Machining, Welding, Basic Ind Equip)
- **Transportation, Distribution & Logistics** (Auto Collision, Auto Tech, Diesel Tech, Logistics)
- **Architecture & Construction** (Drafting, Carpentry, Electrical, Masonry/Concrete, Mechanical Heating/HVAC, Plumber)
- **STEM-Science, Technology, Engineering & Math** (Engineering Drafting, Mechanical/Electrical Engineering, Civil Engineering, Bio Science)

Music

The Berlin High School Music Department believes in a well-balanced school curriculum in which all elements of music are included with the other academic areas of study. It is important that our students learn to appreciate, understand, create, and criticize with discrimination those products of the mind, voice, and instrument that give dignity to and exalt the spirit of man. The creations of man's imagination represented in the fine arts must always be an essential element in a liberal education. The Music Department has a long tradition of excellence in both performance and the study of music.

Berlin Instrumental Offerings and Program

Time demanded of students outside of the school day is to be understood. Band members will be required to play at home football and select basketball, wrestling and volleyball games. Parents must realize the commitment the band has to the community to do some extra performances and parades. Performance schedules will be sent home at the beginning of the year and updated as needed. Areas of musical literature are in rotation during the school year. Emphasis is placed on the marching band during the first semester. During the second semester, concert band is emphasized. Students will audition for band placement. Extra rehearsals may be scheduled for big events (trip performances, parades, contest, etc.). Students will be expected to adjust their schedules to meet these above rehearsal, contest, and concert commitments. **FEES:** \$30.00 per year, which also includes the percussion section (Rental)

Band – Wind Techniques – MUS204

Credits: 0.5 (may be repeated)

Grades: 9-12

Semester: 1 (1st Semester)

Wind Techniques is the first semester course for all instrumental music students not involved with percussion; instruments using wind to make sound. The goal of this course is to learn techniques and skills required for advanced grade music and visual effect. The first half of the term is dedicated to the marching arts and sound sport activities. The first half of this course is modeled after a "corps-style" marching program. The second half of the term focuses on large concert ensemble playing techniques culminating in a winter concert with one large ensemble performing (adding the percussion techniques course personnel for the performance). Throughout the course there is a focus on embouchure, posture, breathing, hand and finger position, group performance dynamics, and marching mechanics. Performances include, but are not limited to, concerts, sporting events, and festivals/competitions throughout the year.

Band: Symphonic Wind Ensemble – MUS205 OR Concert Band – MUS215

Credits: 0.5 (may be repeated)

Grades: 9-12

Semesters: 1 (2nd Semester)

Symphonic Wind Ensemble is open to juniors and seniors (and exceptional sophomores and freshmen as instrumentation requires) and is comprised of the finest wind and percussion players in the school. Its goal is music learning through the study and performance of music repertoire of the highest caliber. The group performs at concerts and festivals throughout the year, traveling every third spring. *Membership in Wind Techniques is by audition.* Other factors determining membership include maturity, attitude and commitment to all performances.

Concert Band is comprised of students who have not yet attained Wind Techniques status. This group provides a challenging learning environment for students with goals similar to the Wind Techniques, which is learning music through the study and performance of fine music repertoire suited to the level of the group. The group performs at concerts and festivals throughout the year, and may travel with the Wind Techniques when it is possible. *Prerequisite: 2 years prior Band experience or audition*



Wind Techniques – Honors – HON924

Credits: 0.5 (may be repeated)

Grade: 11-12

Semesters: (1st Semester)

Students will perform advanced tasks in band with regard to leadership, musical knowledge, and personal growth. Student will assist in running group exercises, showing leadership in connecting with all members, and helping the band form a common bond. Student will aim to become proficient in technical skill of their respective instrument with emphasis on the physical demands. This includes posture, breathing, embouchure, and hand position. When an additional unit of study occurs such as music theory, music vocabulary, or music history, the student will also be expected to do extra work, model ideas, and assist in the study of these ideas. The student is expected to model parts or lead sectionals, if needed, requiring him/her to learn their music faster and outside of class. The student may be required to take extra lessons during the semester and begin research on a classical solo if not involved in any other music activities outside of class. Student may be asked to assist in the many creative processes involved with the field marching show during the first semester. *Prerequisite: one year in Symphonic Wind Ensemble.*



Symphonic Wind Ensemble – Honors – HON925

Credits: 0.5 (may be repeated)

Grades: 11-12

Semesters: 1 (2nd Semester)

In addition to fulfilling course requirement for Wind Ensemble, the student must also perform a Class A instrumental solo at the solo/ensemble contest, mentor a middle school band student, and complete a written project consisting of program notes for the final spring concert. This student also assumes a leadership role in the ensemble with regards to attendance, commitment and attitude. *Prerequisite: one year in Wind Techniques*

Percussion Techniques – MUS213

Credits: 0.5

Grades: 9-12

Semesters: 1 (1st Semester)

Percussion Techniques is open to all students in the percussion section or whose “regular” instrument is not ideal during the marching season. The goal is to learn the technique and skills required for advanced and professional grade percussion music and visual effect. Performances include, but are not limited to, sporting events, concerts, and festivals/competitions throughout the year. Membership is dictated by section and instrumentation. Instructor approval is required for all students. *Prerequisite: Band/Section membership or instructor approval.*



Percussion Techniques – Honors – HON922

Credits: 0.5 (may be repeated)

Grades: 11-12

Semesters: 1 (1st Semester)

Students will perform advanced tasks in band with regard to leadership, musical knowledge, and personal growth. Student will assist in running group exercises, showing leadership in connecting with all members, and helping the band form a common bond. Student will aim to become proficient in technical skill of their respective instrument with emphasis on the physical demands. This includes posture, breathing, and hand position. When an additional unit of study occurs such as music theory, music vocabulary, or music history, the student will also be expected to do extra work, model ideas, and assist in the study of these ideas. The student is expected to model parts or lead sectionals, if needed, requiring him/her to learn their music faster and outside of class. The student will be responsible for program notes for the December concert. The student may be required to take extra lessons during the semester and begin research on a classical solo if not involved in any other music activities outside of class. Student may be asked to assist in the many creative processes involved with the field marching show during the first semester. *Prerequisite: two years in Percussion Techniques*

Choral Offerings

Mixed Chorus – MUS208/MUS209

Credits: 1.0 (may be repeated)

Grades: 9-12

Semesters: 2

An SAB/SATB choir is open to all grades. Various types of choral music will be studied including the listening, singing, and musical history study of various styles of music. It will cover styles of music from Early Renaissance through contemporary literature. The level of music performed will be beginning to intermediate level. Time demanded of students outside of the school day is to be understood. Choir members will be required to be at all choral concerts and festivals, and meet individually with the instructor for private voice lessons at instructor’s request.

Concert Choir – MUS210/MUS211
Credits: 1.0 (may be repeated)

Grades: 10-12
Semesters: 2

This SATB choir will study and perform various styles of choral music, including the listening, singing and musical history study of styles from the early Renaissance through contemporary literature. The level of music studied will be intermediate to difficult which demands that only serious singers should enroll in this course. Time demanded of students outside of the school day is to be understood. Concert choir members will be required to be at all choral concerts and festivals, to meet individually with the instructor for private voice lessons at instructor's request, and are strongly encouraged to participate in the solo/ensemble festival. First semester emphasis will be on establishing vocal and choral techniques ear-training and sight-singing exercises and Christmas music. Second semester includes possible participation in solo/ensemble concert/festival music, as well as choral clinic situations, and a trip every third spring. Auditions are held in the spring for the next school year. *Prerequisite: Audition for acceptance*

Concert Choir – Honors – HON921
Credits: 0.5(may be repeated)

Grades: 11-12
Semesters: 1(1st Semester)

Student will perform advanced tasks in choir with regards to leadership, musical knowledge and personal vocal growth. Student will assist with group dynamics exercises, showing leadership in connecting with all members and helping the choir to form a common bond. Student will aim to become proficient in posture, breathing, and solfege exercises and be willing to model and assist in the practice of these areas. When an additional unit of study occurs such as music theory, music vocabulary or music history, the student will also be expected to do extra work, model ideas and assist in the study of these areas. The student is expected to maintain a leadership role in their section and be prepared to model parts or lead sectionals, if needed, requiring them to learn their music faster and outside of class. The student may be responsible for program notes for the December concert. The student may be required to take extra lessons during the semester and begin research on a classical solo or duet, if not involved in any other music activities outside of class. *Prerequisite: one year in Concert Choir*

Concert Choir – Honors – HON902
Credits: 0.5 (may be repeated)

Grades: 11-12
Semesters: 1 (2nd Semester)

In addition to fulfilling course requirement for Concert Choir, the student must also study and prepare a Class A event, assist a mixed chorus member with their solo/ensemble music once a week, and complete a written project consisting of program notes for each of the two spring concerts. This student also assumes a leadership role in the ensemble with regards to attendance, commitment and attitude. *Prerequisite: one year in Concert Choir*

Other Music Options

US History Through Music – MUS214
Credits: 0.5

Grades: 11-12
Semesters: 1(offered EOY, odd number fall semester)

This course will address social and political issues in the United States from the early 20th century to the present day. This course will approach these issues from both a factual historical perspective and a musical perspective. While studying the historical periods and events, the students will also experience and analyze the music and lyrics of various artists surrounding the events and periods.

AP Music Theory - Independent Study – HON881/HON882
Credits: 1.0

Grades: 10-12
Semesters: 1 or 2

This course offers an in-depth study of rhythm, melody, harmony, keys, scales, and composition to the student who has a serious interest in music. It helps students to read and understand music. It will also include study of harmonic analysis, 2-3 &4-part writing, score analysis, and a composition project. This is a course geared toward the student who is serious about music and contemplating a possible career in music. This course follows the Advanced Placement curriculum for Music Theory. Computer applications in composition will also be covered. *Prerequisite: One year Choir or Band experience*



Physical Education

One and one-half credit in physical education is required for graduation. One-half credit will be offered for each freshman and sophomore class. Juniors and/or seniors may take a one-half physical education class as an elective course. Instructor's permission will be needed for any repeats of the same class. **Students are not allowed to take more than 3 physical education courses in one school year.**

Phy Ed 9 - GYM220

Grades: 9

Credits: 0.5

This course is a survey of team sports concepts and fitness fundamentals.

Semesters: 1

Phy Ed 10 - GYM222

Grades: 10

Credits: 0.5

Semesters: 1

FEE: \$30.00 for bowling

This course is a survey of team sports concepts, lifetime activities, and fitness fundamentals.

Team Sports - GYM232

Grades: 11-12

Credits: 0.5 (may be repeated)

Semesters: 1

This course builds on the importance of teamwork. It emphasizes physical development of skills and enjoyment of team activities. It may include many of the following activities: soccer, speedball, flag football, volleyball, eclipse ball, kick ball, floor hockey, softball and Frisbee. Instructor permission is required to repeat this course; dual credit is honored.

Lifetime Activities - GYM236

Grades: 11-12

Credits: 0.5 (may be repeated)

Semesters: 1

Activities offered in this course include tennis, bocce ball, ping-pong, badminton, bowling, golf and archery. Skills will be reviewed with an emphasis on enjoyment of the activity. Instructor permission is required to repeat this course; dual credit is honored. **FEE: \$50.00**

Weight Training - GYM237

Grades: 11-12

Credits: 0.5 (may be repeated)

Semesters: 1

This course is for students that are interested in strength development. Students will be placed on a specific strength program. **Each Wednesday will be an active rest day where students will go to the local lanes to bowl.** Instructor permission is required to repeat this course; dual credit is honored. **FEE: \$50.00**

Cardio-Fitness - GYM239

Grades: 11-12

Credits: 0.5 (may be repeated)

Semesters: 1

The students will learn how to exercise in their target heart rate range and will get a cardio workout daily. The students will use a variety of equipment during this semester and will monitor their progress. The types of equipment used will be treadmills, bikes, cross trainers, heart monitors, aerobic steps, abdominal machines, fitness ball, jump ropes, etc. Circuits, aerobics, walking and running workouts will also be included. This class is definitely physically demanding and requires much effort and discipline. Instructor permission is required to repeat this course; dual credit is honored.

Outdoor Education - GYM240

Grades: 11-12

Credits: 0.5

Semesters: 1

Activities in this course include building campfires, survival skills, orienteering/compass work, shelter building, walking sticks, fishing, GPS work and possible Geo caching activities. **Fishing license and equipment required.**

Body Sculpting - GYM244

Grades: 11-12

Credits: 0.5

Semesters: 1

The main objectives for this class are to improve one's body shape, muscle tone, stamina, strength, endurance, and energy levels. Students will complete two days of weight lifting and two days of fitness per week. **Each Wednesday will be an active rest day where students will go to the local lanes to bowl. FEE: \$50.00**

Health – GYM241**Credits: 0.5****Grades: 9-12****Semesters: 1 (offered EOY, even years fall semester)**

This class will be offered every other year. All students must enroll in Health sometime between grades 7-12.

Science

Science is not merely a discipline but as much as anything, a way of life – a frame of mind which allows a defensible or productive approach to the problems of everyday living. The Science Department believes that a carefully designed science program in the high school can greatly benefit all students of every ability level. The Science Department also believes that learning comes about most effectively and efficiently when the learner is also a doer. This coupled with the general methods of lecture-discussion, pure discussion, demonstration, and formal problem solving, provides for the probable success of every student. The relevance of science to student’s daily lives is also emphasized. Below is a flow chart to describe different approaches a student may use in their fulfillment of our two years of science, to meet our graduation requirements. Because science and mathematics are cohesive in their content, the required and suggested mathematics classes should be considered when planning science courses.

REQUIRED COURSES

Science Foundations – SCI272A/SCI273A**Credits: 1.0 (REQUIRED)****Grades: 9****Semesters: 2**

Science Foundations is a one credit integrated science program. It includes an in-depth look at earth science and development of a knowledge base that is a valuable asset for success in further education in the sciences of biology, chemistry, and physics. One semester emphasizes physics and one semester emphasizes chemistry in the natural world. Lab activities, including computer labs, will not only enhance the knowledge base, but also develop valuable laboratory skills.

Biology – SCI274/SCI275**Credits: 1.0 (REQUIRED)****Grades: 10****Semesters: 2**

Biology is the study of living systems from the simplest to the most complex. Students are introduced to the chemistry of life, the basic unit of life – the cell, genetics, the structures and functioning of plants and animals, and the inter-relationships of organisms in an ecosystem. Emphasis is made on developing laboratory skills, and understanding some of the philosophy and history behind current biological knowledge. *Prerequisite: Science Foundations*

ELECTIVE COURSES

Environmental Science–SCI278**Credits: 0.5****Grades: 11-12****Semesters: 1**

Environmental Science is a course that is designed to provide students with the knowledge and skills needed to make broad based decisions about environmental issues faced by our world today. Students will gain a base of knowledge in ecology and human social development, will investigate population growth and its impact on resources, and will study the nature and availability of our natural resources. With this background, students will examine environmental problems resulting from human activities. *Prerequisite: Biology*

Oceanography – SCI284**Credits: 0.5****Grades: 11-12****Semesters: 1**

Oceanography is the study of the physical, chemical, biologic, and geologic aspects of the world’s oceans and their interactions. Students will often work collaboratively to attain greater understanding and success in this course. Students will also be able to conduct scientific experiments, as well as extend their learning and knowledge beyond the classroom. *Prerequisite: Biology with a grade “C” or better.*

Earth & Space Science – SCI286

Credits: 0.5

Grades: 10-12

Semesters: 1

This course will explore fundamentals of geology, meteorology, and astronomy. Students will examine the atmosphere and weather, forecasting, climate and climate change, and planets and other celestial bodies, including characteristics that make a celestial body habitable. The content of this course will challenge students to think critically and independently, as well as work collaboratively with others. *Open to sophomores with a 'C' or better in Science Foundations or any junior/senior.*



Medical Terminology - TCC – SCI806

Credits: 0.5 / 3 MPTC Credits

Grades: 11-12

Semesters: 1

This course focuses on the component parts of medical terms, prefixes, suffixes and word roots. Students practice formation, analysis and reconstruction of terms. The course emphasizes spelling, definition and pronunciation of these terms and introduces operative, diagnostic, therapeutic and symptomatic terminology of all body systems. Students who are interested in a career in healthcare would benefit from this course.



Chemistry –SCI276/SCI277

Credits: 1.0

Grades: 11-12

Semesters: 2

This course covers the fundamental topics of first year chemistry. Topics included are atomic structure, formulas and equations, bonding, periodicity, physical states of matter, solutions, acid-base chemistry, gas laws. Qualitative and quantitative aspects of the course are emphasized through problem solving in daily work and laboratory experiments. *Prerequisite: Biology and Algebra I with a minimum grade of "C-" or better suggested but not required. Course can be taken concurrently with Biology in grade 10 with instructor approval.*

Chemistry – Honors – HON918/HON919

Credits: 1.0

Grades: 11-12 (or permission)

Semesters: 2

Honors Chemistry is a course that provides an in-depth study of the topics of the fundamental topics of first year chemistry. The course is designed for the student pursuing future studies in science, medicine or engineering or the student who would like to pursue a challenging course of study in preparation for university studies. With this in mind, it is recommended that students have a strong interest in science and a minimum of a B average in previous science and math courses. In addition to classroom studies and problem solving, the course includes a laboratory component in which students undertake an honors project. There is an emphasis on both individualized and team approaches to problem solving. *Prerequisite: Biology (or concurrent with instructor approval) and Algebra II*



Advanced Biology – HON983/HON984

Credits: 1.0

Grades: 11-12

Semesters: 2

Advanced Biology is a survey of biological subjects a student would expect to encounter on the college level. It includes dissections, cytology (the study of cells), botany, human anatomy and physiology, and other selected topics. Because of the demands of the material and the extra independent work (one research paper and one research project), this is an honors course. This may be taken in the junior or senior year concurrent with Chemistry or Honors Chemistry. *Prerequisite: Biology and Chemistry or Honors Chemistry (or concurrent)*



AP Physics – HON801/HON802

Credits: 1.0

Grades: 11-12

Semesters: 2

In this course students will study topics selected from mechanics, sound, heat, light and electricity. A conceptual understanding and a mathematical approach to problem solving will be developed. This course follows the approved Advanced Placement curriculum. An independent honors research project is required. Electronic data collection, analysis, graphing and modeling are employed. *Prerequisite: Algebra II, Chemistry or Honors Chemistry; all courses "C-" or better or instructor's permission*



Advanced Genetics and Recombinant DNA – HON987

Credits: 0.5

Grades: 11-12

Semesters: 1

This lab course is designed to expose students to the rapidly growing field of molecular genetic engineering. Topics include Mendelian genetics, advanced genetics, DNA isolation, manipulation and sequencing, as well as gene cloning and bacterial transformation. Students will get hands-on experiences in forensic science and genetic testing. *Prerequisite: Biology and Chemistry/Honors Chemistry*



Social Studies

The purpose of Social Studies is to put students in touch with their cultural heritage, to develop political and economic literacy, and to develop the character and strength of mind that will allow the ideals stated in the American Constitution and Declaration of Independence to find their way into the present and future. In general, the curriculum is designed to aid the student in preparing themselves for their role as a productive citizen and to understand their obligations and responsibilities in fulfilling this role.

REQUIRED COURSES

U.S. History – 1914-1940 - SOC300 **Credits: 0.5 (REQUIRED)**

Grades: 9
Semesters: 1

The first semester of this survey freshman U.S. History course begins with a review of policy from 1900-1920 and continues by tracing themes and events of our country's history between the years 1914-1945. With an emphasis on global impact, the course of study includes the following: basic reforms and changes in American political, social and economic institutions; foreign affairs and American involvement in different wars; and specific personalities and events that have influenced the direction of American history.

U.S. History – 1940-Present – SOC301 **Credits: 0.5 (REQUIRED)**

Grades: 9
Semesters: 1

The second semester of this survey freshman U.S. History course traces themes and events of our country since World War II. With an emphasis on global impact, the course of study includes the following: basic reforms and changes in American political, social and economic institutions; foreign affairs and American involvement in different wars; specific personalities and events that have influenced the direction of American history; a close-up investigation of Indian treaty rights, off reservation hunting and fishing rights, and the controversy created by them; and speculation as to where America is headed in the future.

Western Civilization – SOC302 **Credits: 0.5 (REQUIRED)**

Grades: 10
Semesters: 1

This course begins with an introduction to the nature of history and the investigative process of the historian. The areas of focus include Ancient Cultures of the Mediterranean World, Medieval Europe, Renaissance and Reformation, and the Age of Exploration and Discovery. This course continues with a study of the emergence of Western European countries and the events leading up to the Age of Enlightenment. A major theme of this class will be the spread of culture and ideas throughout early civilizations and how it has impacted the development of the modern world.

Modern World Studies – SOC303 **Credits: 0.5 (REQUIRED)**

Grade: 10
Semesters: 1

Modern World Studies is a continuation of Western Civilization but will emphasize the study of political and economic "isms" beginning with nationalism. A political geography unit will be included in a modern application of those "isms" in selected countries of Europe, Africa, Asia and Latin America. A central theme will be revolution and change.

Practical Politics– SOC304 **Credits: 0.5 (REQUIRED)**

Grades: 11-12
Semesters: 1

Practical Politics is the study of human political behavior as well as the political institutions established by people. The student will study, though not limited to, the historical development of the United States, Articles of Confederation, events which lead to the development of the Constitution, examination of the Amendments, the three branches of government, and the function and services of state and local government.

Economics– SOC305
Credits: 0.5 (REQUIRED)

Grades: 11-12
Semesters: 1

This course is designed to give students an introduction to economic concepts and practical knowledge of economics in the marketplace. Basic concepts include economic systems, money, factors of production, scarcity, and free enterprise system. Specific units include: foundations of economics, supply and demand, international economics, business and government financial literacy and taxes.

ELECTIVE COURSES

Famous & Infamous People in History - SOC306
Credits: 0.5

Grades: 9-12
Semesters: 1

This course will investigate numerous Americans from all walks of life and all periods of history. The subjects will be controversial and the intent is to show both the good and bad in each subject hereby allowing students to determine if persons are famous or infamous. The people will be covered in chronological order, but the course will have a human-interest approach. Students will present some of their own famous and infamous Americans in history.

19th Century Wars - SOC307
Credits: 0.5

Grades: 9-12
Semesters: 1

19th Century Wars will be a study of the series of causes and effects of military conflicts involving the United States in the 19th century. Included in the study are the long-range results of the Revolutionary War leading up to the War of 1812, Mexican War, the Civil War, conflicts with Indigenous actions and the Spanish-American War. Also included is a detailed look at military strategy, equipment and leadership.

20th and 21st Century Wars - SOC308
Credits: 0.5

Grades: 9-12
Semesters: 1

20th Century Wars gives the student an in-depth look at World War I, World War II, Korea, Vietnam, Iraq, Afghanistan and terrorism today. Major emphasis will be placed on the causes and the effects of war. As each war is discussed, specific events and personalities will be focused upon with videotapes supplementing class notes and discussion. A number of participants in these wars will be guest speakers. There will be opportunities for students to do their own individual research.

US History Through Sports - SOC609
Credits: 0.5

Grades: 9-12
Semesters: 1 (Offered EOY, even numbered fall semesters)

Sports have been a window through which Americans have witnessed and reflected upon the events and issues in their nation and the world. This course will use the differing themes of social studies to examine the place sports have held in American life since the beginning of the 20th Century. Modern American sporting events provide more than escapist entertainment, but are a reflection of our cultural, political and economic views. What we learn by watching these athletes and contests helps to shape our collective decisions and institutions. Particular attention will be given to issues of international relations, social class, race, gender, economics, technology and media in the United States.

History of Teen Social Problems - SOC312
Credits: 0.5

Grades: 9-12
Semesters: 1

The History of Teen Social Problems class investigates the emotional makeup of teenagers, and their interaction with family, peers and the community. A close investigation is made into various areas of concern (suicide, crime, alcohol and other drug use, bullying, etc.). Students will be able to identify their values and priorities. With this knowledge, the class will engage in discussion, debates, and presentations concerning social issues to which they feel a strong connection.

Law and Criminal Justice System - SOC314
Credits: 0.5

Grades: 9-12
Semesters: 1

This course will center on the criminal justice system, but will also include a two-week unit on the First Amendment. The criminal justice system will be analyzed by making a visit to a prison, court visits, having guest speakers, reviewing arrest, search and courtroom procedure, investigating changing Supreme Court decisions regarding procedural rights, and concluding with a mock trial. There will also be a number of guest speakers representing all aspects of the criminal justice system.



Economics– Honors - HON914

Credits: 0.5

Grades: 11

Semesters: 1

This course is meant to give students a thorough introduction into economic concepts, micro and macro theory, international economics and personal finance. Specific units include basic concepts, economic systems, supply and demand, business cycle, domestic and international policy, and personal finance. *Prerequisite: B average and Algebra I*



American Government and Politics – CAPP HON915A or Non-CAPP HON915

Credits: 0.5 / 3 UW-O CREDITS (POL-105)

Grades: 12

Semesters: 1

In this course the student will study the organization, principles, and actual working of the American National Government in all its branches. The student will study the following topics: Basic Definitions, Politics, Government, Public Policy, and Concept of the Political System, Economic System, Constitutional Framework, Public Opinion, Political Parties, Interest Groups, Legislative, Executive, and Judicial Branches. Course curriculum is developed around UW-Oshkosh’s required materials.



Sociology – Honors - HON916

Credits: 0.5

Grades: 11-12

Semesters: 1

Introduces students to the basic concepts of sociology: culture, socialization, social stratification, multiculturalism, and the five institutions, including family, government, economics, religion, and education. Other topics include demography, deviance, technology, environment, social issues, social change, social organization, and workplace issues.



AP Psychology – HON821/HON822

Credits: 1.0

Grades: 11-12

Semesters: 2

This course follows the approved Advanced Placement curriculum. The major topics that will be covered include the history of psychology’s founders (i.e. Freud, Skinner), scientific methods (i.e. research methods and experiments), biological foundations and neuroscience (i.e. heredity and nature versus nurture), sensation and perception (i.e. attention spans, thresholds), states of consciousness (i.e. hypnosis, dreams), learning (i.e. behavior modification, classical conditioning), memory (i.e. taking good notes, short and long-term), social psychology and clinical psychology. The curriculum will be taught through lectures, video, hands-on, group work, and experiments. Students interested in learning more about the mind, especially students interested in future careers in areas such as IO psychology, experimental, research, or therapy should seriously consider taking this class

Technology and Engineering

Technology Education is an integrated, experienced-based instructional program designed to prepare students so that they are knowledgeable about technology – its evolution, systems, techniques, uses and social and cultural significance. Technology & Engineering is the application of mathematics and science concepts to solve practical problems and extend human capabilities. At Berlin High School, Technology & Engineering education is an essential component of a comprehensive and experience-based science, technology, engineering and mathematics (STEM) curriculum. We work hard to develop technological literacy among students by demonstrating how mathematics, science and the language arts are applied to the processes of engineering design, and applied technology. We have teachers with diverse backgrounds and professional experience. We strive to use real-world challenges, laboratory activities, and lots of hands-on learning activities to provide students with authentic learning experiences. We encourage you to take the introductory courses as freshman, but all are welcome. **All classes including career and technical education classes and programs are offered regardless of race, color, national origin, sex or disability.**

DIY Living – ITE180

Credits: 0.5

Grades: 9-12

Semesters: 1

DIY (Do it Yourself) Living offers a hands-on practical understanding of the things we use every day and how to maintain and fix those things. It is aimed at all students, and will give you a basic understanding of electrical items, plumbing, and transportation. You will be able to replace switches, repair cords, maintain your car, and do other essential home-based tasks that will keep you safer and save you money throughout your life. We will approach these tasks with fun and interesting labs as well as tackling your own projects when possible.

Metal Tech I – ITE162**Credits: 0.5****Grades: 9-12****Semesters: 1**

Metal Tech I is an introductory class to metal fabrication. Areas of study include drilling operations, cutting, threading and precision measurement. We will explore the applications of the different welding processes. Students will weld using an oxyacetylene torch outfit, SMAW, GMAW, and GTAW. Finally, sheet metal fabrication will be explored using material specific tools and processes. Students will learn and use the design process to create the projects they will create. Students who wish to take Metals II will need to earn a grade of C- or above for the course.

Metal Tech II - TCC – ITE164**Credits: 0.5 / 3 MPTC Credits (623-132)****Grades: 9 -12****Semesters: 1**

Metals II follows the technologies introduced in Metal Tech I with more in-depth training and higher-level application opportunities as we use our equipment in more advanced techniques. Special attention to advanced project design and implementation is a key element of this course. Students who wish to take Metals 3 will need to earn a grade of C- or above for the course. *Prerequisite: Metal Tech I ITE162*

Metal Tech III -ITE165**Credits: 0.5****Grades: 10 -12****Semesters: 1**

Metal Tech 3 is the capstone course for metals and will provide students with the opportunity to use advanced skills and techniques and apply them to a self-designed project or projects. Students will have a large block of lab time during the semester to fabricate the project they designed. Students coming into this course should arrange to meet with the instructor to discuss their project and to get approval for their project before they start the Metals III class. All plans must be approved by instructor prior to the beginning of the course. *Prerequisite: Metal Tech I and Metal Tech II*

Woods Tech I -ITE150**Credits: 0.5****Grades: 9 -12****Semesters: 1**

Wood Tech I is a hand and machine woodworking course designed to develop fundamental skill in furniture/cabinetmaking. Units covered in class revolve around lumber production, machine safety, parts production, machine setup, joinery, assembly techniques, industry methods, and product finishing. Students build required projects using a variety of hand and power tools and develop their understanding of the design process.

Woods Tech II-ITE151**Credits: 0.5****Grades: 9 -12****Semesters: 1**

Wood Tech II follows the technologies introduced in Wood Tech I with more in-depth training and higher-level application opportunities as we use our equipment in more advanced techniques and projects. Special attention to advanced project design and implementation is a key element of this course. Students who wish to take Wood Tech II will need to earn a grade of C- or above for the course. *Prerequisite: Wood Tech I*

Woods Tech III- ITE152**Credits: 0.5****Grades: 10 -12****Semesters: 1**

Wood Tech III is the follow-up course to Wood Tech I and II. The beginning of the course is spent on individual student project design. Each student designs and draws plans for a custom piece of furniture they would like to build. Students will also assemble a bill of material including all materials and costs associated with the project. Units of study include review of materials from Woods I and II, raised panel construction, pocket screw assembly, cabinet/furniture hardware, advanced machine set-up and general machine maintenance. *Prerequisite: Wood Tech I and II*

Engineering Design– ITE168**Credits: 0.5****Grades: 10-12****Semesters: 1**

Engineering Design is a course which has been developed for students contemplating careers in engineering, metal fabrication, tool & die, product development, as well as other industrial based occupations. Students will learn basic, accepted industry standards for drawing as well as gain skill in reading prints while gaining experience in AutoCAD (2D) and Solidworks (3D) . Areas of study will include units on print reading, sketching, view identification, working drawings, pictorial drawings, auxiliary view drawing, sectioning, threads and fasteners, assemblies, dimensioning techniques, and 3D Solids Modeling. Students will be using the 3D Printer to help them during the assessment process. This coursework will be beneficial as a building block for other Technology Engineering coursework.

Building Trades – ITE271**Credits: 0.5 (may be repeated 1 time w/ approval from instructor)****Grades: 11-12****Semesters: 1**

This class covers some of the skills involved in the building of a framed structure. Different areas that students will experience are floor framing, wall framing, roof framing, applying sheathing, installing insulation and roof coverings, and installing doors and windows. Basic safety, basic math, hand and power tools, blueprint reading, concrete, laying block and home energy efficiency. *Prerequisite: DIY Living ITE180 OR Woods Tech I ITE150*

Engine Tech I – ITE153**Credits: 0.5****Grades: 9-12****Semesters: 1**

This course is designed to introduce students in grades 9-12 to the operation of the internal combustion engine. In this class students will study the principles of two and four stroke engine operations and the various systems typically found on a small gasoline lawn mower engine. Students will gain a thorough understanding of engine operation through tasks designed to lead the student through disassembling, inspecting, and reassembling a small gasoline engine. This course is designed as an introductory class for students with or without previous mechanical knowledge.

Engine Tech II -ITE154**Credits: 0.5****Grades: 9-12****Semesters: 1**

This course is designed to advance student skills with the operations of mechanical engines. Students will study larger scale engines like those found in cars and trucks as well as all of the accessories and power train components used to make use of the energy from the engine. Students will have the opportunity to work on their own projects for a portion of the lab time.

Prerequisite: Engine Tech I

Engine Tech III- ITE155**Credits: 0.5****Grades: 10-12****Semesters: 1**

Students will use knowledge gained during Engine Tech 1 and 2 classes to tackle advanced problems relating to engine systems and power trains. Students will troubleshoot and repair four-cycle overhead valve engines and two cycle engines as well as components like carburetors, alternators, starters, transmissions, etc. Students will have the opportunity to work on their own projects. *Prerequisite: Engine Tech II*

Circuit Tech I- ITE156**Credits: 0.5****Grades: 9-12****Semesters: 1**

This course is designed to introduce students in grades 9-12 to the fundamentals of direct current, Ohm's Law, circuit analysis, and electric components. In this class students will study electrical systems and components. They will gain understanding of circuits through troubleshooting, reading electrical measurements, and creating their own circuit system. This course is designed as an introductory class for students with or without previous electrical knowledge.

Circuit Tech II- ITE157**Credits: 0.5****Grades: 9-12****Semesters: 1**

This course is designed as a continuation of Circuits 1 with emphasis on Alternating current, single and 3-phase motors, transformers, and power distribution. This course will expand on the knowledge learned in Circuits 1 and apply it to more complex circuits. *Prerequisite: Circuit Tech I*



Name: _____

Four Year School Plan

Grade 9		Grade 10	
Math	Math	Math	Math
Science Foundations	Science Foundations	Biology	Biology
Freshman English	Freshman English	Sophomore English	Sophomore Literature
US History 1914-1940	US History 1940-Present	Western Civilization	Modern World Studies
PE 9		PE 10	

Math and English class placement is based on Grade 8 competencies.

Grade 11		Grade 12	
Early American Literature	Contemporary American Literature (or HON841 as senior)		
Honors Econ or Economics	Prac. Politics or Amer. Gov. Honors(as a Senior)		
(Math)	(Math)		
Science	Science		
PE			

Graduation Requirements = 24 credits

- | | |
|------------------------|------------------|
| 1.5 Physical Education | 3 Mathematics |
| 3 Science | 3 Social Studies |
| 4 English | 9 Elective |