

TABLE OF CONTENTS

Forward.....	Page 1
General Information	Page 2
Course Description for Agribusiness.....	Page 7
Course Description for Art.....	Page 9
Course Description for Business Education	Page 13
Course Description for English.....	Page 17
Course Description for Family and Consumer Education	Page 23
Course Description for Foreign Language.....	Page 26
Course Description for Mathematics.....	Page 28
Course Description for Music.....	Page 31
Course Description for Physical Education	Page 34
Course Description for Publications.....	Page 36
Course Description for School-To-Work.....	Page 37
Course Description for Science	Page 40
Course Description for Social Studies.....	Page 44
Course Description for Technology and Engineering	Page 48

FORWARD

Our society is dependent upon the quality of our social ideals; it is through our educational programs that we must make those ideals part of human behavior. This course description handbook has been prepared to help you make those important decisions regarding your ideals and future at Berlin High School and in the world of work.

I encourage you to give serious consideration to planning for your future vocational or educational progress. Your course choices should relate to your tentative educational goals which reflect your interests and abilities. I urge you to formulate your plans with your parents, teachers and guidance counselors. It is suggested that together you develop a plan to cover 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.

The people in the Berlin Area School District have made a commitment to you both philosophically and financially as they strive to provide opportunities so that you can develop your talents and abilities to the maximum. You have the obligation to do your best work and to take advantage of your opportunities. Experience has shown that most often people get out of a situation what they put into it.

That is true with school too. If you make an honest effort and do your work to the best of your ability, you will reach your potential to be a success. If you don't make that kind of commitment, you will only be cheating yourself in the future. Accept the challenge. Be the best you can be!

We at Berlin High School have 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.

All classes including career and technical education classes and programs are offered regardless of race, color, national origin, sex, or disability.

Have a great year!

Lynn Mork, Principal

GENERAL INFORMATION

BERLIN HIGH SCHOOL WELCOMES YOU

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 men and women 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 reason 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 the 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 the 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.

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.

Graduation Requirements

1. A total of 24 credits must be the minimum accumulated by students before they are eligible for graduation.
2. Of these credits, 13.0 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.
3. The 13.0 required credits will be in the following areas:
 - 2 Credits Math
 - 2 Credits Science
 - 4 Credits English
 - 3.5 Credits Social Studies
 - 1.5 Credits Physical Education

***One-half credit of Health between grades 7-12 is required
but not included in the 13.0 credits***

4. The remaining credits (11+) are to be compiled from electives the student chooses.
5. A minimum of 6.5 credits must be taken each year by ninth, tenth, eleventh, and twelfth grade students. A credit is the value for each class that meets on a five-day per week schedule over the span of trimesters. One-half credit is the value given for classes that meet on a five-day per week schedule over the span of one trimester. One quarter credit is the value given for classes meeting on an alternate day schedule over the span of one trimester.
6. Berlin High School discourages 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.
7. **Honor Roll Requirements –**
Grade Point Values

REGULAR CLASSES

A = 4.0
A- = 3.7
B+ = 3.3
B = 3.0
B- = 2.7
C+ = 2.3
C = 2.0
C- = 1.7
D+ = 1.3
D = 1.0
D- = .70
F = 0

HONORS CLASSES – WEIGHTED

A = 5.0
A- = 4.7
B+ = 4.3
B = 4.0
B- = 3.7
C+ = 3.3
C = 3.0
C- = 2.7
D+ = 2.3
D = 2.0
D- = 1.4
F = 0

Grade Point Average (GPA) = Total grade points divided by two and then divide by total number of credits

**Superior Honors = 3.8 or 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. Incompletes turn to F's if the work has not been completed two weeks after the grading period. In extreme cases, consideration will be given to waiving time limitations.

CLASS RANK

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 second trimester 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 (***22.5 at the end of the junior year*** and ***27.5 at the end of the second trimester of their senior year***). This amount is then added to the students Cumulative Grade Point Average (GPA).

Attendance

At Berlin High School we believe the primary focal point of the educational process is the classroom. The entire process of education requires a regular continuity of instruction, classroom participation, and study in order to reach the goal of maximum educational benefit for each individual student. Regular participation in well-planned instructional activities under the supervision of a competent teacher is vital to this purpose. Any absence deprives the student of an opportunity to learn. Attendance is the responsibility of the student, parent, and ultimately the courts.

Senior Release

Seniors must be enrolled in a minimum of 6.5 credits per year. Seniors are able to be released from their study hall up to 2 periods of release per year providing that the parents/guardians request such an arrangement. 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 tardies, unexcused absences, or inappropriate behavior. Senior release forms are available in the guidance office.

New Student Enrollment

When enrolling at Berlin High School, a new student shall be accompanied by a parent or guardian. The student will then be assigned a counselor for the purpose of assisting 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. **School counselor must view a certified copy of a student's birth certificate.** Those students with suspected exceptional educational needs may first have a staffing prior to regular school attendance to determine the most appropriate educational program.

Classification of Students

When a student is in the first year of high school, he or she is termed a freshman. A second year student having earned a minimum of five and one-half credits shall be termed a sophomore. A third year student having earned a minimum of eleven credits is termed a junior and a fourth year student having earned a minimum of sixteen and one-half credits is termed a senior.

Guidance Services

Guidance 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. Counselor assistance with personal problems, peer problems, or assistance with school adjustment will be provided on a what-counselor-is-available basis.

All students with the last name beginning with (A-K) will have Ms. Ragus as their academic counselor. Students with the last name beginning with (L-Z) will have Mr. Willett.

University 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*; three years of math to include *Algebra I, Geometry, and Algebra II*; three years of *science* to include *Biology, Chemistry*, and an advanced science; and three years of *social studies*. It is also recommended that at least two years of a *foreign language* be taken.

Both the University of Wisconsin System and the Independent System of Colleges and Universities require entering freshmen to submit A.C.T scores for admission. The guidance department has test registration materials and sample tests. Students may take the A.C.T. on nationally scheduled dates. See www.actstudent.org for registration and details.

Berlin High School provides many services for prospective university and technical college students. Informational meetings for students and parents are held throughout the year. Representatives from the technical colleges, universities, and the military branches regularly visit the high school to talk to interested students.

*****IMPORTANT*****

Course Registration:

Course selection during the registration period will be considered as a commitment on the part of the student. Requests for **PROGRAM CHANGES WILL NOT BE ACCEPTED AFTER THEY HAVE BEEN FINALIZED except for administrative reasons.**

Prerequisites are listed following the course name. Students need to follow the normal sequence of classes. In special situations, students may have advanced placement with the consent of the principal and instructor.

All classes including career and technical education classes and programs are offered regardless of race, color, national origin, sex or disability.

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 for which user fees are charged.

Basic Fee	\$35.00	Instrument Rental per trimester	15.00
Bowl Fee, Gr. 10	20.00	Weight Training	40.00
Lifetime Activities	40.00	Weight/Speed Training	40.00
Body Sculpting	40.00		
*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

1. A minimum of two years of mathematics must be successfully completed. Students planning on continuing their education should take at least three years of math, with four being preferred. ***Refer to page 26 for flow chart on mathematics courses.***
2. A minimum of two years of science must be successfully completed. Students planning on continuing with their education should take at least three years of science, with four being preferred. Science Interactions does not always fulfill university requirements. ***Refer to page 39 for flow chart on science courses.***
3. A minimum of four years of English must be successfully completed. ***Refer to page 16 for a listing of appropriate courses.***
4. Physical education is required for all ninth and tenth grade students. Upper classmen must complete the requirement by selecting an elective physical education class. ***Refer to page 31 to determine the selection of appropriate classes.***
5. A minimum of 3.5 credits must be successfully completed in the area of social studies, with 3.0 credits being required classes, and the last one-half credit being an elective class. ***Refer to page 42 to determine the selection of appropriate courses.***

Independent Study (12) Prerequisite: Senior status, written instructor consent

A maximum of two Independent Study's are allowed for senior students only. A senior student who wishes to take an independent study(s) will be required to receive written permission directly from the instructor who will be overseeing/grading the independent study. A designated independent study form, instructor approval and instructor signature will be required in order to officially register for the class. The official independent study form can be acquired from the students designated school counselor. Independent study drop/add(s) will follow the current drop/add policies of BHS. Full completion of an independent study will result in the earning of ½ credit. Completion of an independent study will be approved by the instructor.

HONORS COURSES OFFERED AT BERLIN HIGH SCHOOL

901	Publications II	983/984	Advanced Biology	916	Sociology
933/934	Spanish IV	985/986	Physics	914	Economics
938/939	Spanish V	987	Advanced Genetics	915	Am. Gov/Politics
971	Shakespeare	990/991	Honors Algebra II	953/954	Accounting I (TC)
972	Advanced Grammar	994/995	Pre Calculus (possible CAPP)	917	General Psychology
975	World Literature	997/998	Calculus	902	Concert Choir
976	Advanced Comp.- CAPP	997A/998A	Calculus - CAPP	903	Honors Wind Ensemble
976A	Advanced Comp	992	Statistics & Probability	957	Advanced Photography
918/919 /920	Honors Chemistry	992/993	Statistics & Probability (possible CAPP)	950	Graphic Communications Mgmt
				955	Furniture Design & Cabinet Making

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 project which are required. They generally require a great deal of extra time and effort to complete. Students not willing to work to this level are discouraged from taking these courses.

AGRIBUSINESS

In all vocational agribusiness classes students will become aware of the many opportunities in the field of agriculture and agribusiness. They will learn basic skills needed in each area, which can be either developed to a higher level or to help obtain a job at a very basic level.

FFA is intercurricular for all agribusiness classes, but FFA membership is not required.

001-002 **Agricultural Survey** Prerequisite: Open to 9th and 10th grades only
2 trimesters
1 Cr.

Agricultural Survey samples all classes taught in the Berlin Agricultural Education Department. There are lots of hands-on activities included in the many agricultural classes. This is a great class for students interested in Ag. Related careers or those who want to try a different elective.

003- **Soil Science** (10-11-12)
1/2 **1 trimester**

In this class, students will learn about various elements in soils, good and bad properties in soils, and how to make better use of soils. Students will also learn management skills and conservation practices.

**004- Animal Nutrition/Science (10-11-12)
1/2 1 trimester**

Animal Nutrition teaches students about animals' dietary needs. They learn what nutrients and types of feed keeps certain animals healthy. The animal science part of the class will teach students what good qualities to look for in dairy, beef, swine, and sheep. Students will also learn about good farm management skills needed to run a livestock operation.

**005- Plant Science (11-12) Prerequisite: Soil Science
1/2 1 trimester**

Students will become aware of major agronomic plants, along with plant types, values, methods of planting, growing, and harvesting methods. Students will work in the greenhouse on various plant experiments. Individual plant experiments will be encouraged.

**006- Horticulture Prerequisite: Soil Science or consent of instructor
1/2 1 trimester**

Students will learn about landscaping, lawn care, and the use of flowers in landscaping. They will have the opportunity to work in the greenhouse planting and caring for poinsettias during the Christmas season. Along with the poinsettias, students will get to construct and decorate Christmas wreaths for the school to sell.

**007- Agriculture Engineering/Tractor Restoration and Farm Management (11-12)
1 Cr. 2 trimesters Prerequisite: Soil Science or consent of instructor**

This class will have a large emphasis on agricultural machinery maintenance and repair. Farm management will still be taught as a part of the classroom program. Students will bring in tractors to repair during class time in the multi-purpose shop.

**008- Forestry/Conservation Wildlife Management (11-12)
1/2 1 trimester**

Students will get a chance to study pollution, alternate energy sources, wildlife management and natural resources concepts. Students will also take a look at soil characteristics, erosion, water sources, and the products of our forests.

**009- Horse Science & Companion Animals (11-12) Prerequisite: None
1/2 1 trimester**

Students will be taught skills in selecting horses, training them, and riding techniques. All types of horses will be studied. Proper management of stables will be discussed along with basic care. A large portion of the time will be spent on small companion animals like dogs and cats. Basic care and training of dogs will be discussed. Other small animals will be discussed based on the interests of the students. The class will also cover the profitable side of raising small animals and the career opportunities it produces.

351- Agribusiness-Plant/Animal (11-12) Prerequisite: Work-based Readiness
352 One Year
2 Cr. State Certification and 2 High School Credits

Independent study type employment with approved worksite. Must be related to agriculture/agribusiness. Limited to 2 credits per year. Paid work experience in agribusiness by arrangement.

The core employability component will cover basic skills, personal/interpersonal skills, thinking and information processing skills, and systems and technology skills as they relate to business administration.

The second component covers the agribusiness competencies of: sales, marketing, and technical assistance, processing customer orders, communications, customer relations, and professional development.

The third component covers plant morphology and physiology competencies and the fourth covers soil and soil management.

ART

The arts are an essential and fundamental part of a student's education. The arts cultivate creativity, discipline, and team work. 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.

020- Art I (9-10-11-12) Prerequisite: None
1/2 1 trimester

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, graphics, ceramics, and art history. The diversity of art materials being explored prepares the student for the upper level art classes.

021A- Illustration and Design I (9-10-11-12)
1/2 1 trimester

Prerequisite: Art I

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.

022A- Illustration and Design II (10-11-12) Prerequisite: Illustration and Design I
1/2 1 trimester

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

023A- Illustration and Design III (10-11-12) Prerequisite: Illustration and Design II
1/2 1 trimester

See description for Illustration and Drawing II with the substitution of advanced independent work.

024- Drawing & Painting I (9-10-11-12)
1/2 1 trimester

Prerequisite: Art I

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.

025- Drawing & Painting II (10-11-12) Prerequisite: Drawing & Painting I
1/2 1 trimester

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

026- Drawing & Painting III (10-11-12) Prerequisite: Drawing & Painting II
1/2 1 trimester

See description for Drawing & Painting II with the substitution of advanced independent work.

027-1/2 **Sculpture & Metals I** (9-10-11-12) Prerequisite: Art I
1 trimester – additional fee for purchase of silver and semi precious stones

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.

028-1/2 **Sculpture & Metals II** (10-11-12) Prerequisite: Sculpture & Metals I
1 trimester – additional fee for purchase of silver and semi precious stones

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

029-1/2 **Sculpture & Metals III** (10-11-12) Prerequisite: Sculpture & Metals II
1 trimester – additional fee for purchase of silver and semi precious stones

See description for Sculpture & Metals II with the substitution of advanced independent work.

030-1/2 **Ceramics I** (9-10-11-12) Prerequisite: Art I
1 trimester

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.

031-1/2 **Ceramics II** (10-11-12) Prerequisite: Ceramics I
1 trimester

032-1/2 **Ceramics III** (10-11-12) Prerequisite: Ceramics II
1 trimester

Students will have the opportunity to explore wheel throwing and altered wheel thrown forms. Advanced techniques in assembling, covered containers, experimenting with decoration and outdoor firing techniques will be explored. Students will have the opportunity to expand prior technical knowledge toward creative expression.

033-1/2 **Applied Design I** (9-10-11-12) Prerequisite: Art I
1 trimester

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), paper making and book construction, and sand painting. These projects are made with an understanding and appreciation of world cultures.

034-1/2 **Applied Design II** (10-11-12) Prerequisite: Applied Design I
1 trimester

See description for Applied Design I with addition of higher expectations and substitution of independent work.

035-1/2 **Applied Design III** (10-11-12) Prerequisite: Applied Design II
1 trimester

See description for Applied Design II with the substitution of advanced independent work.

036A **Painting I** (9-10-11-12) Prerequisite: Art I
1/2 **1 trimester**

Emphasizes painting skills in the media of watercolor and acrylic paints. Students will build and stretch their own canvas, paint on other non-traditional surfaces, and extend their experiences in painterly techniques. A variety of art history is integrated.

036B **Painting II** (9-10-11-12) Prerequisite: Painting I
1/2 **1 trimester**

See description for Painting I.

036C **Painting III** (10-11-12) Prerequisite: Painting II
1/2 **1 trimester**

See description for Painting I.

NOTE: All levels of the same course, except Art I and Ceramics, meet at the same time. EXAMPLE: Sculpture I-II-III meets the same period but with different levels of difficulty. A student can only take one level per trimester.

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.

****TCC = Technical College Credit from Moraine Park Technical College***

040- Introduction to Computers – TCC* (9-10-11-12)
1/2 1 trimester

This course provides the opportunity for students to gain the ability and knowledge to use, troubleshoot and operate a personal computer. By learning proper keyboarding technique, students will improve their keyboarding speed and accuracy. In addition to learning computer basics, the class involves in the Microsoft Windows environment and formatting letters, reports and tables. Students will also be introduced to business terminology so that they can communicate effectively in the business world.

042- Microsoft Office I – Word and Excel TCC* (9-10-11-12)
1/2 1 trimester - 4 MPTC Credits

Applies word processing features including tables, columns, merges and the integration of graphic elements. Emphasized production of newsletter, correspondence, reports and proposals. This class will also introduce spreadsheet applications, functions and features. Emphasizes creating, editing, saving and retrieving files, applying formulas, and managing large worksheets. Produce charts, amortization schedules, data tables, and incorporates analysis tools.

043- Microsoft Office II – Power Point and Access TCC* (10-11-12)
1/2 1 trimester - 4 MPTC Credits

Introduces windows-based software that facilitates the design and creation of presentation graphics in the form of text, free-form drawings, animation, organizational charts and tables. Students will produce interactive documents with sound and other enhancements. Included is an introduction to basic database functions. Participants design and create a database, enter, sort and retrieve data, and produce reports.

044- Microsoft Office III – Microsoft Integration TCC* (10-11-12)
1/2 1 trimester - 2 MPTC Credits Prerequisite: Courses 042 & 043

This class provides hands-on experience integrating documents from/to database, word processing, presentation graphics and spreadsheet software programs.

045-1/2 **Introduction to Business Management – School Store** (11-12)
1 trimester

This course is designed to help students understand the basic concepts of business management and entrepreneurship. Course will be “hands-on” and students will be responsible for the management and operation of the school store by ordering, pricing, stocking, advertising, and selling store merchandise. Requires out of class participation operating school store, as an employee/owner.

046-1/2 **Entrepreneurship – School Store** (11-12) Prerequisite: 045
1 trimester

This course is a continuation of Business Management. In addition to managing the school store, students will discover entrepreneurship skills, e-commerce, and web page application.

812-1/2 **Marketing Principles**
September to mid January 8:00 – 8:55 4 MPTC Credits

This course provides an integrated overview of marketing concepts and functions. Major topics include the distribution, pricing, and promotion of consumer products. Students will analyze market fluctuation and consumer buying behavior.

047-1/2 **Business & Personal Law – TCC*** (11-12)
1 trimester 2 MPTC Credits

This course provides a general background to the elements and characteristics of business law. Emphasis is placed on how business law is structured and how it functions in our society. The main portion of the course is devoted to an understanding of contracts and contract structure.

048-1/2 **International Business – TCC*** (10-11-12)
1 trimester 3 MPTC Credits

Students will participate in a simulated business that mirrors the real world. Within an office setting, the student engages in simulated business transactions with more than four thousand Business Practice Firms (BPF) worldwide. This is not a computer simulation. Students use software programs found in most businesses and interact globally with other student firms through a closed economic network via the Internet. Each firm in the network acts as both buyer and seller with other firms in the network. The class will also focus on skills that are critical in adapting to cultural diverse environments. Students will explore the factors and qualities that influence cross-cultural effectiveness. Students will also self-assess their readiness and adaptability to work and live in culturally diverse environments and develop skills they can apply in cross-cultural settings. Field trips will expose students to cultural activities and participation will be required for all field trips.

049- Business Protocol – TCC* (10-11-12) Prerequisite: None
1/2 1 trimester 3 MPTC Credits

Students learn valuable information and guidelines necessary to function in today's global and multiethnic environment. This class teaches students skills in cultural awareness, business etiquette, positive self-concept, leadership, communication and technology used in business communications (video conferencing, webcam, etc.), which are essential to maintaining successful business and personal relationships.

050- Social Media U: Web 2.0 (9-10-11-12) Prerequisite: None
1/2 1 trimester

This immersive education course brings a new wave of exciting websites and technologies (such as Facebook, YouTube, Virtual Worlds) into the "Web 2.0" era. Rich and interactive forms of communication, collaboration, and socialization are the heart of Web 2.0, but the price is high: privacy breaches, identity theft, cyber-stalkers and addiction are a few issues that become more complicated in the Web 2.0 world. In this unique course, students learn how to harness the power of Web 2.0 while protecting themselves and others. Hands-on experience with Facebook, Flickr, YouTube, Virtual Worlds, Google Documents, wikis, news feeds (XML and RSS), Digg, Twitter, mashups and more.

051- Internet and Computer Concepts – TCC* (10-11-12) Prerequisite: None
1/2 1 trimester

This course will examine the fundamentals of computers in the areas of hardware, software, and the World Wide Web. Students will learn how to use new input technologies such as PDA's, Tablet PC's, and voice recognition. Other areas of study will include computer history, computer ethics, and computer careers.

052- Beginning Accounting (10-11-12) Prerequisite: None
1/2 1 trimester

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.

053- Web Page Design: Dreamweaver & Flash – TCC* (10-11-12) Prerequisite: None
1/2 1 trimester 2 MPTC Credits

By using Dreamweaver, Flash, and Microsoft Front Page, students will have the opportunity to develop their own web page. This course will take students beyond the basics of creating home pages by introducing them to numerous advanced web page design activities and strategies. The school district web site will be the primary focus for lab exercises.

054-1/2 **Web Page Design: Advanced Dreamweaver – TCC*** (10-11-12)
1 trimester Prerequisite: Course 053

This course expands upon content in Web Design and Development I as students learn new techniques to enhance websites such as digital narratives, video editing, advanced Flash, and interactive server page technologies. Students will learn and apply techniques to work with client websites using the Macromedia Suite. Students will perform the tasks involved in the process of strategic planning, implementing and maintaining a website in a team-based environment. They will address specific tasks in the process such as website design, planning and development, obtaining domain names, registering websites, end-user analysis, statistics, testing and troubleshooting, training and presentation issues.

055-1/2 **Consumer Math (11-12)** **Prerequisite: Math department approval**
1 trimester

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.

056-1/2 **Banking & Money Management –TCC*** (11-12)
1 trimester

This course will emphasize the management of personal finances, and the development of effective strategies for making effective purchasing decisions. Investment strategies, credit management, and large item (automobile/housing) purchases will be studied. Students will learn to use the Quicken software program.

057-1/2 **Independent Study – Business Management** (12)
1 trimester Prerequisite: Business Management

In addition to the student responsibilities described in Business Management, independent study students will be required to help train other students who will be working in the school store. Some time outside of class hours will be required.

058- Preparing for College and Your Future (11-12)
1/2 1 trimester

This course will provide college-bound students with resources to assist with the transition from high school to college, incorporating technology.

The focus of this course will be in creating a digital portfolio and resume to use with college interviews or that summer job! This course will provide you with tools that will assist you in narrowing down college and university choices, via virtual campus tours. You will explore college majors that fit your personality and skills, using computerized career assessments. Keep track of college deadlines using Excel spreadsheets. You will discover tips for scholarships and grants using internet research techniques, have assistance with essays and applications. Students will learn where to find financial aid information and create a budget appropriate for college students using personal finance software programs.

953- Accounting I – TCC* (11-12)
954 2 trimesters – 4 MPTC Credits – Honors Course
1 Cr.

This course provides a procedural approach to understanding the accounting cycle for a sole proprietorship business and also a merchandising business. After mastering the accounting cycle manually, accounting cycle simulations will be completed on the computer. Topics covered include accounting for sales and accounts receivable, purchases and accounts payable, banking procedures, payroll and payroll taxes, notes payable and receivable, merchandise inventory and long-term assets. A good math background is recommended.

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 trimesters 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 trimesters of English are required, students may schedule additional English classes, depending on available room in their schedules.

INTRODUCTORY REQUIRED COURSES

Grade 9	Freshman English	070/071 or
	Transitional Freshmen English 1 & 11	072/073
Grade 10	Introduction to Communications	074
	Composition and Literature	075
Grade 11	Early American Literature Survey	076
	Contemporary American Literature	092 or
	Contemporary American Literature- CAPP (non honors)	095
	Junior Reading (Selection by faculty only)	078

ELECTIVES

For Sophomores	Writing for Publication	080/081
	Introduction to Theater	098
	Acting	099

For Juniors – All Sophomore Electives Plus:

An Environmental View	077
Writing for Publication	080/081
Film as Literature	082
Conflicts in Literature	083
Creative Writing	084
The Human Spirit, a Global View	088
Public Speaking	091
British Literature	093
Shakespeare – Honors	971
Advanced Grammar – Honors	972
World Literature – Honors	975

For Seniors – All Junior Electives Plus:

Practical Writing- AS	085
Oral/Interpersonal Communication – AS	086
Advanced Composition Honors – CAPP	976
Advanced Composition Honors – Non CAPP	978

A NOTE ABOUT ENGLISH FEES: The following required courses for freshmen, sophomores, and juniors each require a vocabulary book with a \$3.00 fee: Freshman English first semester, Freshman English second trimester, Introduction to Communications, Composition and Literature, and American Literature Survey. Courses 072-073 – Freshman Reading and Writing, together require one vocabulary book with a \$3.50 fee.

070- Freshman English (9) Prerequisite: None
071 2 trimesters
1 Cr.

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.

072-1/2 **Transitional Freshmen English I** (9) Prerequisite: Selection by faculty
1 trimesters

See description for 070/071

These classes are especially designed for students with identifiable reading and writing difficulties.

074-1/2 **Introduction to Communications** (10)
1 trimester – required for sophomores

Introduction to Communications 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.

075-1/2 **Composition and Literature** (10)
1 trimester – required for sophomores

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

076-1/2 **Early American Literature** (11)
1 trimester – required for juniors

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

092-1/2 **Contemporary American Literature** (11)
1 trimester – required for juniors

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.

078-1/2 **Junior Reading** (11) Prerequisite: **Selection by faculty**
1 trimester

Students will read representative American literature and become familiar with famous writers and their works. The course is especially designed for students with identifiable reading difficulties. It will fulfill the Early American Literature Survey -076 requirement.

ELECTIVES

**077-
1/2** **An Environmental View**
1 trimester

(11-12)

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.

**080-
081
1 Cr.** **Writing for Publication**
2 trimesters

(10-11-12) Prerequisite: C+ average in English courses

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. Students should have an interest in writing, and have maintained a C+ average in their English courses.

**082-
1/2** **Film as Literature**
1 trimester

(11-12)

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.

**084-
1/2** **Creative Writing**
1 trimester

(11-12)

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.

**085-
1/2** **Practical Writing - AS**
1 trimester – Advanced Standing MPTC

(11-12)

This class is recommended for students who plan to attend college or technical school, or who want an alternative to the honors Advanced Composition course. Students will develop their writing skills daily through essay writing, business writing, technical writing and grammar study.

**086-
1/2** **Oral/Interpersonal Communication - AS**
1 trimester – Advanced Standing MPTC

(12)

Students will develop speaking, communication and listening skills through individual speeches, group activities, and other projects. Students may earn advanced standing in the Wisconsin Technical College System if they maintain a B (80%) average and enroll in a Wisconsin Technical College within 27 months of high school graduation.

**088- The Human Spirit, a Global View (11-12)
1/2 1 trimester**

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. The course will be taught by both *English* and a *Social Studies* teacher. Students may select for *English* or *Social Studies* credit. ***Choose course 309 for Social Studies credit.***

**091- Public Speaking (11-12)
1/2 1 trimester**

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.

**093- British Literature (9-10-11-12)
1/2 Over 2 trimesters (every-other-day/every-other year) For Elective Credit Only**

Students will study British Literature with an emphasis on Chaucer, Shakespeare, Austen and the connection to modern movies and television. This course is recommended for both college and non college bound juniors and seniors.

**094- Historical Fiction (9-10-11-12)
1/2 Over 2 trimesters (every-other-day/every-other year) For Elective Credit Only**

The study of fiction set in a particular historical era. We will look at various author viewpoints relevant to the same historical theme. Students will study the world events relevant to the books read during the course. Various written and oral assignments as well as online components will be requirements for this course.

**095- Contemporary American Literture—CAPP (non-honors) (11)
1/2 Prerequisite: GPA 3.25, Teacher approval
1 trimester**

This course focuses on American Literature of the contemporary scene. During this course, we will seek to define the American identity and to appreciate literature's role in the construction and expression of that identity. The course will explore a variety of authors, and genres including poetry, fiction, and nonfiction of the later half of the 20th and early 21st centuries. Thematic issues will include the construction of identity, issues of gender, race and class and the exploration of relationships between the self and others. We will investigate the relationship between form and content, specifically the relationship between traditional and experimental literary mode. Students will respond to text orally and in writing utilizing a variety of rhetorical modes including narrative, analytical, exploratory and reflective. Ultimately, students will leave the course with the ability to identify and explore developing American authors, literature and trends.

098-1/2 **Introduction to Theater** (10-11-12)
1 trimester

Students will learn the basics of theater production through the study of units in directing, design, management and acting. The course is designed for students who have a potential interest in theater arts and related areas. Students will be expected to complete a variety of hands on projects as well as outside reading and writing assignments.

Participation (on stage or back stage) in a student produced show at the end of the trimester is required.

099-1/2 **Acting** (11-12) Prerequisite: Introduction to Theater
1 trimester

Students will work individually, in small groups, and in ensembles, to develop characters and present scenes. Students will develop focus, concentration, and physical movement through theatrical games, pantomime, scene work, and performance opportunities. Students are required to participate in an evening performance at the end of the trimester showcasing class work.

971-1/2 **Shakespeare – Honors** (11-12)
1 trimester

Students will study the life, times and works of William Shakespeare. The class is recommended for college-bound students.

972-1/2 **Advanced Grammar – Honors** (11-12)
1 trimester

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 language arts section of the ACT test.

975-1/2 **World Literature – Honors** (11-12)
1 trimester

This class introduces students to major works of world literature and is recommended for college-bound students. ****Advanced reading and heavy workload should be expected.***

976-1/2 **Advanced Composition – Honors – CAPP** (12)
1 trimester

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 solely for college bound students.***

976A- Advanced Composition – Honors – NON-CAPP (12)
1/2 1 trimester

Advanced Composition. 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 solely for college bound students.***

FAMILY AND CONSUMER EDUCATION

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 brings 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, child care, housing, and wage earning home economics such as food service and child care service.

140- Food for Living (9-10-11-12) Prerequisite: None
1/2 1 trimester

Food for Living will help students research and use the most recent nutritional findings to maintain and improve their health. Topics include consumer practices when shopping, preparing practical meals and snacks, nutrition for healthy living, kitchen safety and sanitation, meal management and careers in the foods industry. Skill building in decision making, problem solving and resource management will be emphasized.

141-142 **Food Service I** (10-11-12) Prerequisite: Food for Living
1 Cr. **2 trimesters**

This introductory 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 recommended that a student has earned a "C" grade during the first trimester of this course in order to advance to the next trimester of Food Service (or consent of instructor).

148- **The World of Clothing** (9-10-11-12) Prerequisite: None
1/2 **1 trimester**

The main area of emphasis will be teaching sewing techniques and employability skills that can be used in the sewing industry. It will focus on clothing care, clothing buying skills and choosing textiles, patterns, colors and styles that enhance one's appearance. Sewing supplies and materials will be provided by the student.

149- **Fashion Merchandising** (9-10-11-12) Prerequisite: None
1/2 **1 trimester**

150- **Housing & Home Furnishings** (9-10-11-12) Prerequisite: None
1/2 **1 trimester**

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 kitchens, visiting homes, developing color schemes, arranging furniture, and selecting draperies and accessories. The course is oriented to such concerns 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.

151- **Education for Parenting** (9-10-11-12) Prerequisite: None
1/2 **1 trimester**

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 child care aide. The first unit is ***Planning for Children*** which 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. The fourth unit is ***Careers in Caregiving***. It explores opportunities for caregivers and skills needed to plan your career in this area.

152- Practical Living (11-12) Consent of instructor only.
1 Cr. 2 trimesters

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, buying and maintenance of a car, community services, 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 which 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. The class will culminate with an overnight outdoor experience.

153- Choices & Challenges (10-11-12)
1/2 1 trimester

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. Current subjects of interest such as personal safety, identity theft, alcohol and drug issues are addressed by local speakers.

154- Assistant Child Care Teacher (11-12) Prerequisite: Course 151
1/2 1 trimester – MPTC Credit

Childcare is a growing area of employment. This course is designed to prepare for careers in childcare and elementary education. In this class students gain an insight into planning and implementing experiences that meet children’s developmental needs. These experiences will enhance language, fine and gross motor skills, creativity, and

problem solving. Brain development and child psychology are also examined due to the increased amount of research currently being developed. Students examine historical movements in childcare, as well as current and future dilemmas. Skills and practical guidelines will be developed for guiding young children in child care and public school setting and for keeping them safe and healthy. A variety of learning environments will also be examined. After successfully completing this course and 18-year-old student can work in a day care as an assistant childcare teacher. Also, students will receive an infant and toddler certification from the state. Students may also obtain dual credit for this course through Moraine Park Technical College. It is recommended that students take this course as a junior if they are considering doing a childcare co-op as a senior.

814-1/2 **Guiding Children’s Behavior** Prerequisite: Course 154
Mid January to May --2:00 – 2:55 **3 MPTC Credits**

Students must take Early Childhood Education prior to taking this class which served as an additional 40 hours for childcare certification.

Students who take this class will be unable to sign up for a BHS class 5th hour during second and third trimesters.

FOREIGN LANGUAGE

Languages, cultures and activities across the world are becoming intertwined. The foreign language department encourages students to meet a future which will make ever-increasing demands for communication among the world’s citizens and to work toward better understanding and cooperation among nations.

One of the goals of the Foreign Language Department is to achieve a greater awareness of society and self by contrasting another culture and language with our own.

The Foreign Language Department strives to help students understand, speak, read and write languages and to possess, therefore, added skills when entering the job market. Many universities now require a two year minimum foreign language background for entering freshmen.

127-128 **Spanish I** (9-10-11-12) Prerequisite: None
2 trimesters
1 Cr.

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 speaking of Spanish with emphasis on rhythm and intonation. The alphabet, greetings,

numbers, telling time, family members and relationships, colors, days, months, weather expressions, schools and school supplies, rooms in the house, furniture, chores, foods in Latin America and table settings are topics presented. Grammatical concepts covered include subject pronouns, gender and number of common nouns, adjective agreement, prepositions, direct object nouns and pronouns, and the forms and use of regular and some irregular present tense verbs and the future. Culture and customs are presented in textbook readings and DVD's which stress aspects of daily life in a variety of Spanish-speaking countries. Accompanying the textbook is a workbook of exercises. CD's of spoken Spanish and music are also used at times for authentic pronunciation.

129- Spanish II (10-11-12) Prerequisite: Spanish I
130 2 trimesters
1 Cr.

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. Projects include a fashion show and magazine creation.

131- Spanish III (11-12) Prerequisite: Spanish II
132 2 trimesters
1 Cr.

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.

933- Spanish IV Prerequisite: Spanish III
934 2 trimesters – Honors Course Fee \$6.50
1 Cr.

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. The fee covers the cost of the purchase of a Spanish-English dictionary.

938- Spanish V Prerequisite: Spanish IV
1/2 1 trimester – Honors Course (Possible CAPP)

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 which 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 trimester. Students are encouraged to purchase a Spanish-English dictionary.

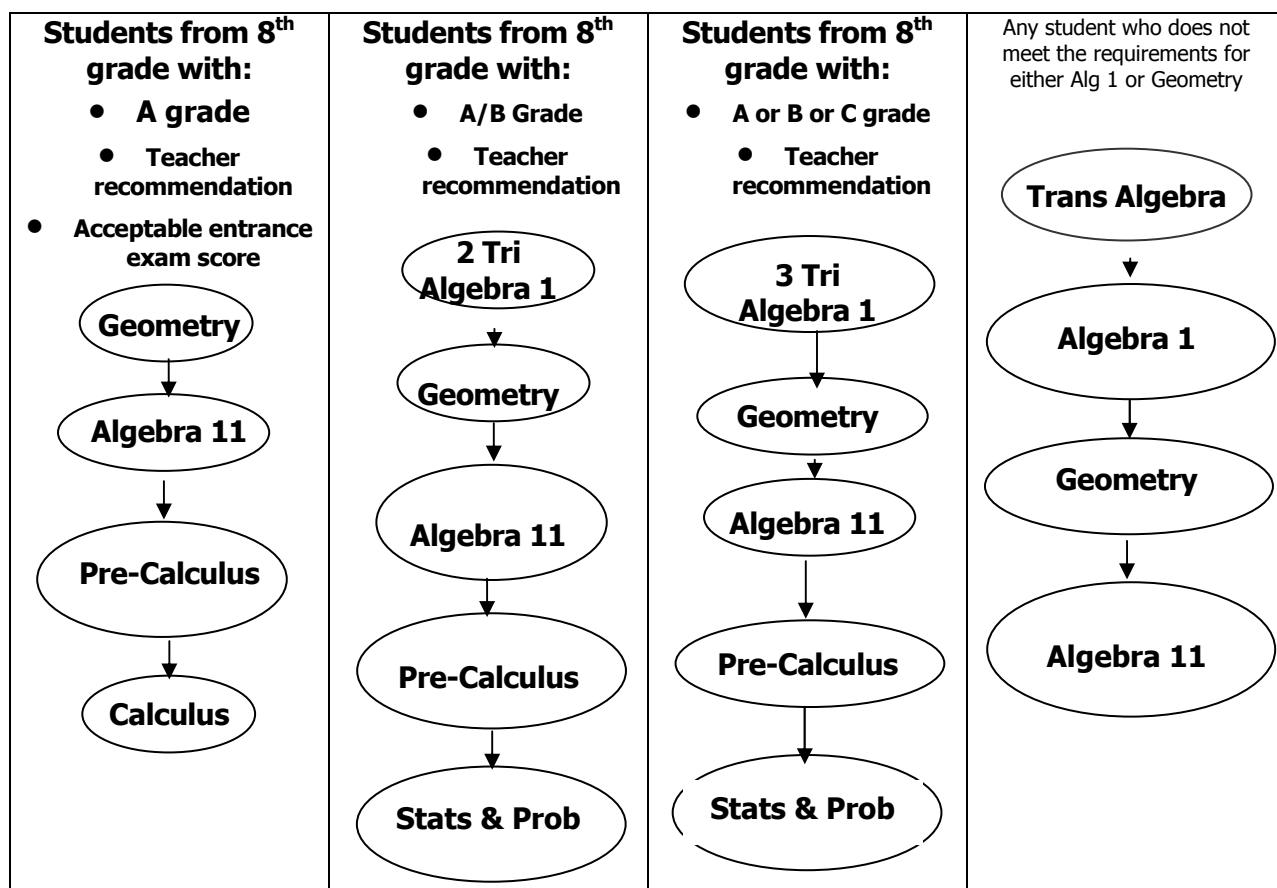
MATHEMATICS

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' needs 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.

Below are systemized flow charts that will help students to plan and understand their participation in mathematics.



186- Transitional Algebra Prerequisite: Teacher recommendation
187 2 trimesters
1 Cr.

This course is designed as a transition into Algebra I. Many algebra topics will be introduced at a basic level.

188- Algebra I Prerequisite: 8th grade recommendation, A/B grade and parent permission
189 2 trimesters – Accelerated
1 Cr.

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. Since this is an accelerated course, the work load will be more demanding.

194 Consumer Math (11-12) Prerequisite: Math department approval
1/2 1 trimester

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.

195- Algebra I Prerequisite: 8th grade recommendation or Course 186/187
196 3 trimesters – 1.5 Credits
197

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.

190- Geometry Prerequisite: Algebra I with a min. grade of "C" recommended
191 2 trimesters
1 Cr.

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.

192-1/2 **Computer Science 1** Prerequisite: Algebra I with a min. grade of "C" recommended
1 trimester

Typing is recommended but not required as a prerequisite for this course. The student will write simple programs using concepts and techniques of programming in a **TrueBASIC** language utility. They will use the computer as a tool for solving problems in math, science and other disciplines. In addition, the student will learn programming techniques in **Dark Basic** and create a video game as a final project of the class.

193-1/2 **Computer Science II** Prerequisite: Computer Science 1
1 trimester

The student will do additional programming in the **TrueBASIC** language exploring more difficult topics such as multidimensional arrays and sorting. In addition, the student will continue to learn additional programming techniques in **Dark Basic** and will once again create a video game as a final project of the class.

198-199-200 **Algebra II** Prerequisite: Algebra I with a min. grade of "B" recommended
3 trimesters – 1.5 Credits

This course is a continuation and extension of Algebra I with some new topics added. An emphasis is placed on 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.***

990-991-1 Cr. **Honors Algebra 11** Prerequisite: Algebra I with a min. grade of "A/B"
2 trimesters – Honors Course teacher recommendation

This course is a continuation and extension of Algebra I with some new topics added. An emphasis is placed on technology, projects, explorations and technological explorations. It is strongly urged that the student have a graphing calculator. A TI-83 is recommended due to its ease of use. Since this is an accelerated course, the workload will be more demanding.

992-1/2 Cr. **Statistics and Probability – Honors** Prerequisite: Algebra II
1 trimester

Statistics and Probability is a class intended for the college-bound math student who does not feel ready to take Pre-Calculus. It is a single trimester math class with Algebra II as a prerequisite. Topics covered will include probability, statistics and problem solving that involves trigonometry and algebra. This class would be beneficial for college-bound students in non-math related areas.

992- Statistics and Probability (Possible CAPP) Prerequisite: Algebra II
993 2 trimesters
1 Cr.

Statistics and Probability is a class intended for the college-bound math student who does not feel ready to take Pre-Calculus. It is a single trimester math class with Algebra II as a prerequisite. Topics covered will include probability, statistics and problem solving that involves trigonometry and algebra. This class would be beneficial for college-bound students in non-math related areas.

994- Pre-Calculus Prerequisite: Algebra II with a min. grade of "C" recommended
995 2 trimesters – Honors Course (Possible CAPP)
1 Cr.

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.

997- Calculus Prerequisite: Pre-Calculus with a min. grade of "C" recommended
998 2 trimesters – Honors Course
1 Cr.

This course is the equivalent of a first trimester college calculus course. Topics covered will be limits of functions, derivatives, and integrals and their applications.

CAPP – College Advance Placement Program available after fulfilling UWO's testing and entrance requirements – the class may be taken as CAPP

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 gives dignity to and exalts 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 Band Program – Time demanded of students 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/color guard during the first trimester. During the second and third trimesters, 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: School instruments are rented at the cost of \$15.00 per trimester or \$30.00 per year, which also includes the percussion section and the colorguard.

214- Band – Wind Ensemble/Concert Band (9-10-11-12) Prerequisite: 2 years prior
1/2 1st trimester – meets everyday band experience or audition

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 Ensemble 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 Ensemble status. This group provides a challenging learning environment for students with goals similar to the Wind Ensemble, 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 Ensemble when it is possible.

Membership in concert band is also by audition.

215 Band – Wind Ensemble/Concert Band (9-10-11-12) Prerequisite: 2 years prior
1/2 Meets every-other-day 2nd and 3rd trimesters band experience and audition

207- Music Theory – Independent Study Prerequisite: One year Choir or Band
1/2 1 trimester (10-11-12)

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. Computer applications in composition will also be covered.

208- Mixed Chorus (9-10-11-12)
1/2 1st trimester – meets everyday

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 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.

209- Mixed Chorus (9-10-11-12)
1/2 Meets every-other-day 2nd and 3rd trimesters

210- Concert Choir (10-11-12) Prerequisite: audition for acceptance
1/2 1st trimester – meets everyday

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 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 trimester emphasis will be on establishing vocal and choral techniques ear-training and sight-singing exercises and Christmas music. Second and third trimesters include 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.

211- Concert Choir (10-11-12) Prerequisite: audition for acceptance
1/2 Meets every-other-day 2nd and 3rd trimesters

213- Percussion Techniques (9-10-11-12) Prerequisites: Band/Section
1/2 membership or instructor approval
1st trimester –meets everyday

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.

234- Team Sports 2 (11-12)
1/2 1 trimester

This course includes a review of floor hockey, eclipse ball, volleyball, arena soccer, kick ball, wiffle ball, etc. Skills/rules with an emphasis on enjoyment of the activity.

235- Team Sports 3 (11-12)
1/2 1 trimester

This course includes a review of floor hockey, wiffle ball, kick ball, volleyball, eclipse ball, soccer, speedball, and softball skills/rules with an emphasis on enjoyment of the activity.

236- Lifetime Activities (11-12)
1/2 1 trimester - \$40.00 fee

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.

237- Weight Training – Fitness – Recreation (11-12)
1/2 1 trimester - \$40.00 fee

This course is for students that are interested in strength development and/or fitness. Students interested in strength development will be placed on a specific strength program. Fitness students will utilize the treadmill and exercise bikes and supplement their program with the selectorized machines. ***Each Wednesday will be an active rest day where students will go to the local lanes to bowl.***

239- Cardio-Fitness (11-12)
1/2 1 trimester

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 trimester 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.

240- Outdoor Education (11-12)
1/2 1 trimester - *Fishing license and equipment required*

Activities in this course include fire-starting, survival skills, orienteering, horseshoes, shelter building, walking sticks, fishing, GPS work and Geo caching.

242 Weight and Speed Training (11-12)
1/2 1 trimester - \$40.00 fee

Much like weight training, this class will offer the three core lifts; squat, bench, and hang clean. However, instead of incorporating auxiliary lifts after the core lifts, students will be put through a series of speed and agility drills for the 2nd half of the class. Speed and agility drills will include a dynamic warm-up, stretching routine, sprint work, starts, stairs, plyometrics, ladder drills, and bag drills. Students who want to increase their strength and also want to put in a serious effort to enhance their speed and agility should sign up for this class. ***Each Wednesday will be an active rest day where students will go to the local lanes to bowl.***

244 Body Sculpting (11-12)
1/2 1 trimester - \$40.00 fee

This class is geared more for the female population. The main objectives for this class are to improve one's body shape, muscle tone, stamina, strength, endurance, and energy levels. This class will emphasize different types of weight lifting, resistance training, core conditioning, and stretching exercises. ***Each Wednesday will be an active rest day where students will go to the local lanes to bowl.***

PUBLICATIONS

The publications department gives students an opportunity to work on the school newspaper, to acquire photography skills, or gain experience in desktop publishing and printing.

Students interested in working on the ***Red 'n' Green*** must first take Writing for Publications, a two trimester journalism class offered by the English department. Only students who successfully complete Writing for Publications may elect to take Publications I.

260- Publications I (11-12) Prerequisite: Writing for Publications
261 3 trimesters – 1.5 Credits & approval by instructor
262

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 team-work environment.

263- Publications II (12) Prerequisite: Course 260-261-262
1.5 3 trimesters & approval by instructor

Students work for a second year on the ***Red 'n' Green***, holding the role of editor-in-chief for at least one trimester.

901- Publications II (12) Prerequisite: Course 262-263
1/2 1 trimester – Honors & approval by instructor

Students work for a second year on the *Red 'n' Green*. These students will act as editors-in-chief for at least one trimester of the year. They will be responsible for proofreading the entire paper, assigning tasks to the rest of the staff, overseeing business functions, overseeing minor editors' tasks, writing at least four stories per issue, designing layout, and designing ads. These students are also expected to be available during sixth hour 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. *Student is allowed two trimesters.*

SCHOOL-TO-WORK

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.

820- Aspiring Educators (11-12)
1/2 per trimester

Students who take this class 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 will be expected to teach at least two large or small group lessons during the trimester to his/her assigned class. Students will receive training once a week during lunch throughout the trimester which will provide instruction on how to be a good teacher. The elementary or middle school classroom teacher will be the day-to-day mentor. You could sign up for this class each trimester for a total of 1.5 credits each year.

Job Shadowing is a career opportunity that all juniors are encouraged to participate in. Students identify a career they are interested in pursuing, then the job shadow coordinator contacts a community person performing that job to arrange an all day or partial day observation date. Students will complete a prearranged absence form and a post shadow evaluation. A guidance counselor will conduct a follow-up conference to discuss the shadow experience and assist the student in meeting their career goal.

332- Workbased Readiness (11-12)
1/2 1 trimester

Students must receive a "C" grade or better in Workplace Readiness or credit will be withheld for Work-Based Learning and work privileges will be terminated.

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.

330-1/2 **Work-Based Learning** (12) Exceptions for other grades with guidance office approval only
Per trimester

STUDENTS ENROLLING IN THIS CLASS MUST ALSO ENROLL IN THE WORKPLACE READINESS CLASS.

Students must receive a "C" grade or better in Workplace Readiness or credit will be withheld for Work-Based Learning and work privileges will be terminated.

Students can register for one hour of Work-Based Learning (WBL) each trimester. A maximum of 1.5 credits of WBL will be allowed for the year.

The guidance office could approve special requests for student programming that would allow a student to be released two blocks during one trimester. Students are required to work the same number of hours that they have been released from school.

This work experience is monitored by a high school staff person. Students are responsible for securing their own jobs; however, placement must be approved by their supervising teacher. 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 student evaluations twice a trimester and sign the student's work log twice a month. Students must have their parent's approval to be in this class.

Students who have Worked-Based Learning in their schedule during hours 2 through 4 will be assigned a resource during those hours and not be allowed to leave school. Exception: If a student is actually reporting to work during hours 2 through 4, they may be allowed to leave and will not be assigned to a resource.

YOUTH APPRENTICESHIP PROGRAMS

ONE AND TWO-YEAR PROGRAMS FOR JUNIORS AND SENIORS

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:

- explore their interest in a career by working in local business
- earn wages while learning from skilled professionals
- earn advanced standing credits in technical college
- 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.

816- Foundations of Early Childhood Education Prerequisite: Course 154
Assistant Child Care **Class Meets on Monday, Tuesday and Thursday**
1/2 Mid January to May –1:00 – 1:55 3 MPTC Credits

Students must take Assistant Child Care prior to taking this class which served as an additional 40 hours for childcare certification.

Students who take this class will be unable to sign up for a BHS class 5th hour during second and third trimesters unless you can receive permission from the 5th hour teacher to report 20 minutes late everyday.

818- Introduction to Corrections
1/2 Mid January to May 9:00-9:55 – Meets Monday, Tuesday and Thursday
3 MPTC Credits

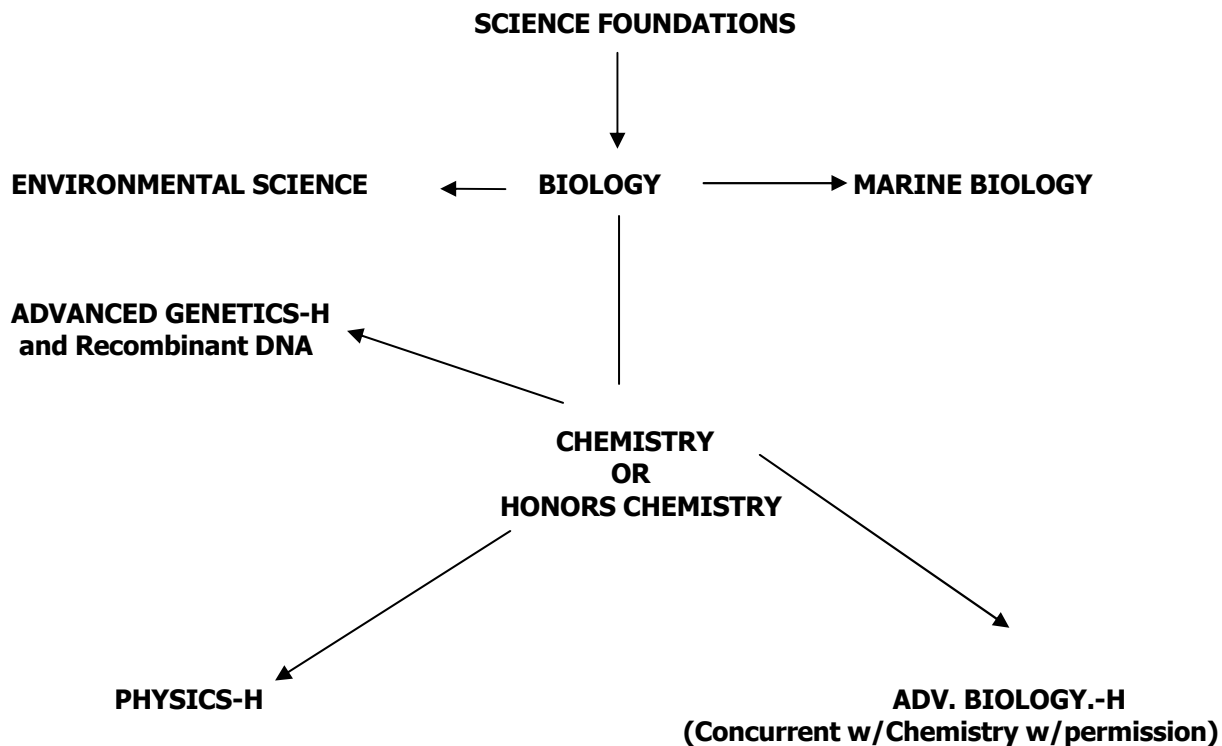
This distance learning class will address the history, development and functions of the correctional institutions including prison and jails; their custodial and correctional programs; the impact of incarceration on inmates; the interactional structure of the prison environment; improving conditions and correctional programs. Students who take this class will be unable to schedule a Berlin HS class during 2nd hour, second and third trimester and must be able to leave their 1st hour class 10 minutes early every Tuesday and Thursday.

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.



(9-10-11-12) INDEPENDENT STUDY

272A- Science Foundations (9)
273A 2 trimesters
1 Cr.

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. Lab activities, including computer labs, will not only enhance the knowledge base, but develop valuable laboratory skills.

274- Biology (9-10) Prerequisite: Science Foundations
275 2 trimesters
1 Cr.

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.

276-277 **Chemistry** (10-11-12) Prerequisite: Biology and Algebra I with a minimum grade of C- or better suggested but not required
2 trimesters
1 Cr.

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, and an introduction to organic chemistry. Qualitative and quantitative aspects of the course are emphasized through problem solving in daily work and laboratory experiments.

278-1/2 **Environmental Science** (10-11-12) Prerequisite: Biology
1 trimester

Environmental Science is a one trimester 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.

279-1/2 **Independent Study – Scientific Research** (9-10-11-12) Prerequisite: None
1 trimester

The purpose of this course is to offer students an opportunity to conduct scientific research in the field or laboratory, write a scientific paper and present the paper in a public forum. The student must submit a research proposal to the science department chair for approval by the chair and the supervising teacher. The proposal may consist of original research or participation in on-going group research.

Upon approval, the student will be required to do a literature search for background information and design procedure and sampling techniques if necessary. Sixty hours of lab/field work would then follow. During the lab/field work the student will be required to keep a journal of procedures and observations made. The student will then prepare a scientific paper on the research and present the paper at a public forum (such as the Wisconsin Science Congress; Junior Science, Engineering and Humanities Symposium; local service organizations, and others). Students will be enrolled in the course and credit will be awarded during the trimester of completion. This ½ credit will not be applicable toward high school science graduation requirements. Students may not use honors project time to meet the requirements of this class.

280-1/2 **Marine Biology** (11-12) Prerequisite: Biology with a grade C or above
1 trimester

Students will study animals and plants of the ocean focusing on their environmental and ecological relationships. They will also examine the structure and function of simple and complex marine organisms and their contributions to energy cycles. The course includes hands-on laboratory activities, several dissections, and marine aquarium care.

918- Honors Chemistry (11-12 or permission) Prerequisite: Biology and Algebra II
919- 3 trimesters – Honors (or concurrent enrollment)
920 1.5 Cr.

Honors Chemistry is a year-long three trimester course that provides an in-depth study of the topics of first year college level general 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 a qualitative analysis study and develop electronic data collection and instrumental analysis skills. Career and field studies are incorporated into the course work. There is an emphasis on both individualized and team approaches to problem solving.

983- Advanced Biology (11-12) Prerequisite: Biology & Chemistry or
984 2 trimesters – Honors Course Honors Chemistry
1 Cr.

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.

985- Physics (11-12) Prerequisite: Algebra II-H, Chemistry or Honors Chemistry
986 2 trimesters – Honors Course (all courses C- or better or instructor's permission)
1 Cr.

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. An independent honors research project is required. Electronic data collection, analysis, graphing and modeling are employed.

987- Advanced Genetics and Recombinant DNA (11-12) Prerequisite: Biology and
1/2 1 trimester – Honors Course Chemistry or Honors Chemistry

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. Lab work will include DNA fingerprinting, paternity testing, fruit fly crosses, and creating bioluminescent bacteria. Due to the demands of the material and the extra lab work with analysis and reports, this is an honors course.

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 which are 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.

Social Studies requirement: 3 ½ credits required for graduation of which certain courses are required:

- 1/2 Credit – Freshman U.S. History – 1865 - 1940
- 1/2 Credit – Freshman U.S. History – 1940 – present
- 1/2 Credit – Sophomore Western Civilization
- 1/2 Credit – Sophomore Modern World Studies
- 1/2 Credit – Junior or Senior 305 Economics
- 1/2 Credit – Junior or Senior 304 Practical Politics **or**
- 1/2 Credit – Senior 915 Honors American Government and Politics

****TC = Technical College Credit from Moraine Park Technical College***

300A- U.S. History – 1914-1945 (9)
1/2 1 trimester

The first trimester of this survey freshman U.S. History course traces themes and events of our country's history between the years 1865-1940. 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. This course will include an overview of the American Indian and his place in American history with an in-depth look at the Indians of Wisconsin and their contribution to the growth and development of Wisconsin.

301A- U.S. History – 1945-Present (9)
1/2 1 trimester

The second trimester 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.

302- Western Civilization (10)
1/2 1 trimester

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 French Revolution. 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.

303- Modern World Studies (10)
1/2 1 trimester

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.

304- Practical Politics (11-12)
1/2 1 trimester

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.

305- Economics (11-12)
1/2 1 trimester

This course is designed to give students an introduction to economic concepts and practical knowledge of economics in the marketplace. Basic concepts include the market economy, command economy, and other economic systems. Specific units are on the business cycle, investing, banking, credit, taxes, government policy and international economic issues like exporting, importing and tariffs and treaties.

ELECTIVES

306- Famous & Infamous People in History (11-12)
1/2 1 trimester

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. 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.

307- 19th Century Wars (11-12)
1/2 1 trimester

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, the Indian Wars and the Spanish-American War. Also included is a detailed look at military strategy, equipment and leadership.

308- 20th Century Wars (11-12)
1/2 1 trimester

20th Century Wars gives the student an in-depth look at World War I, World War II, Korea, Vietnam, Iraq, Afghanistan and the arms race culminating with the current nuclear issues. 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 video-tapes supplementing class notes and discussion. A number of participants in these wars will be guest speakers.

309- The Human Spirit, a Global View (11-12)
1/2 1 trimester

This course will deal with examples of courage and the quest for freedom throughout the history of the world. The course would 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 deals with these subjects. The course will be taught by both *English* and a *Social Studies* teacher. Students may select for *English* or *Social Studies* credit. **Choose course 088 for English credit.**

311- Westward Movement/WI History (11-12)
1/2 1 trimester

Westward Movement is a study of the development of the Western frontier from colonial times to the present, with emphasis on the period from 1800-1890. A concentration is made on independent study of the topics of the time, and the use of simulations concerning the Oregon Trail and Homesteading.

The Wisconsin History segment of this course views the geological and geographic setting of our state. It also traces Wisconsin's growth from the early Native American days and European exploration of the 1600's to statehood in 1848. Wisconsin's political, economic and social development is examined. The contributions made by immigrant groups and individuals are acknowledged. A unit featuring Berlin's history is also included in this course.

312- History of Social Problems (11-12)
1/2 1 trimester

The History of 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.

314- Law and Criminal Justice System (11-12)
1/2 1 trimester

This course will center on the criminal justice system, but will also include a two week unit on the 1st 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.

914- Honors Economics-AS (11) Prerequisite: B average and Algebra
1/2 1 trimester

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.

915- American Government and Politics (12)
1/2 1 trimester – 3 MPTC credits

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. This course may be taken for MPTC credit if requirements are met.

916- Sociology – (AS) (11-12)
1/2 1 trimester – Honors Course 3 MPTC Credits

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.

917- General Psychology– (AS) (11-12)
1/2 1 trimester – Honors Course

This course will deal with the basic issues involved with the study of the mind. The major sections that will be covered are brief 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), and memory (i.e. taking good notes, short and long-term). 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.

818- Introduction to Corrections
1/2 Mid January to May 9:00-9:55 – Meets Tuesday and Thursday
3 Marian College Credits

This distance learning class will address the history, development and functions of the correctional institutions including prison and jails; their custodial and correctional programs; the impact of incarceration on inmates; the interactional structure of the prison environment; improving conditions and correctional programs. Students who take this class will be unable to schedule a Berlin HS class during 2nd hour, second and third trimester. ***Students who take this class are encouraged to take Criminal Law in this same time slot on Mon., Wed., and Friday.***

TECHNOLOGY AND ENGINEERING

The educational system is an important link in the preparation of students for a place in our modern industrial society. To assume such a role, students must be equipped with a variety of knowledge and skills. The high school industry and technology program interprets the systems, functions, technology and occupational opportunities of modern industry; and it is in a unique position to promote these concepts.

The Berlin Technology and Engineering Program strives to teach current technical information, as well as promoting responsibility, pride in workmanship, problem-solving and decision-making abilities.

Numerous opportunities exist, regardless of the path chosen within the program, for students to gain knowledge and experience that will enable them to cope with our modern industrial society.

Senior high students are encouraged to take the introductory courses at the ninth grade level. After an interest has been established in a particular area, the student may choose to expand his or her knowledge by taking advanced courses which are more specialized. A variety of technology education classes are offered, all of which are designed to meet the needs of the students.

All classes including career and technical education classes and programs are offered regardless of race, color, national origin, sex or disability.

160- Technology and Engineering (9-10-11-12)
161 2 trimesters
1 Cr.

Technology Engineering is a 2 trimester course which emphasizes the principles, processes, and philosophies of a variety of technical fields. Section 160 includes units of study in the areas of Drafting/Design, Woodworking Technology, Principles of Construction, and Graphic Design. Section 161 includes units of study in Metal Fabrication Technology, Basic Electricity/Wiring, and Small Engines/Power and Energy. Students learn through a combination of classroom presentations, demonstrations, and practical lab activities. This course builds a foundation for future coursework taken in the Technology Engineering Curriculum.

162- Metal Tech I (10-11-12) Prerequisite: 160-161 or Jr./Sr. standing and
1/2 1 trimester successful completion of Geometry

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, shielded metal arc welding, and metal inert gas welding technologies. Students will also explore the aluminum casting process in the foundry unit and students will have an opportunity to fabricate with the engine lathe. Finally, sheet metal fabrication will be explored using material specific tools and processes.

164- Metal Tech II – TCC* (11-12) Prerequisite: Metal Tech I
1/2 1 trimester

Metals II follows the technologies introduced in Metal Tech I with more in-depth training and higher level application opportunities. In addition to the technologies previously introduced, students will have the opportunity to apply their skills with the vertical knee mills and the precision surface grinder. Students will also be able to experience the GTAW welding process with state of the art equipment.

165- Manufacturing Enterprise (10-11-12) Prerequisite: None
1/2 1 trimester

This is a course designed to give students experience in applying leadership, managing in a work environment, communicating and utilizing production skills. Students will directly apply elements of business and industry and become actively engaged in a manufacturing enterprise. As a class, students will research, design, manufacture, market, and sell a product of their choosing. Students will also learn about key occupations in the areas of industrial management, business management and production.

166- Introduction to Architecture (10-11-12)
1/2 1 trimester

The course Fundamentals of Architecture and Civil Engineering is designed to give students practical exposure to these two dynamic fields of study. Students explore the many facets of designing structures and the development of the properties surrounding them. CAD (Computer Aided Design) software is used to complete drawings and record design ideas. Architectural drawings include structural details such as foundations, floor systems, stairs, wall systems, roof components, room designs, floor plans, and elevation drawings. Civil Engineering project include, work with site plans, plot plans, landscape plans, and building space/parking lot design. This class is meant for students who have interest in structural design and the construction process.

167- Architectural Design (11-12) Prerequisite: Fundamentals of Arch & Civil Engin
1/2 1 trimester

Architectural Design is a concentrated study done in the area of residential design. Students will research and design a home they would like to build and live in. Foundation plans, floor plans, electrical layout, schedules, construction details, and elevations will be included in their drawing set. Following completion of the drawing set students will construct a scale model of their design. Time devoted to this course outside of regular class time may be necessary for most students.

168- Computer Aided Design (CAD) 2D (10-11-12) Prerequisite: Technology and
1/2 Engineering
1 trimester

Industrial Drawing & 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 blueprints. Areas of study will include units on blueprint reading, sketching, view identification, working drawings, pictorial drawings, auxiliary view drawing, sectioning, threads and fasteners, assemblies, dimensioning techniques, and 3D Solids Modeling. Drawing work will be completed using industrial grade CAD (Computer Aided Design) software. This coursework will be beneficial as a building block for other Technology Engineering coursework.

169- Solid Works 3D Design (10-11-12)
1/2 1 trimester

Students will use "SolidWorks", a 3D design software, to create real world 3D parts and product assemblies. Utilized widely in industry, Sold Works will allow students to explore the inner workings of product design and engineering. It is **highly recommended that students take 168 Computer Aided Design 2D** before taking this course, but they are **not required to do so**.

173-1/2 **Production Woodworking** (10-11-12) Prerequisite: 160 or Jr./Sr. standing and successful completion of
1 trimester - plus cost of materials Geometry

Production woodworking is a 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 a required project which emphasizes the fundamentals of basic cabinet construction. Skills learned would be considered entry level job skills. This class will prep students for careers in finish carpentry, custom and commercial furniture making, custom and commercial cabinetmaking, and hobby/craft woodworking.

174-1 Cr. **Furniture Design and Cabinetmaking** (11-12) Prerequisite: Production
2 trimesters - plus cost of materials used Woodworking

Furniture Design and Cabinetmaking is the follow-up course to Production Woodworking. The initial three weeks of the course are 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 Production Woodworking, raised panel construction, pocket screw assembly, veneer inlays and overlays, wood intarsia, cabinet/furniture hardware, and advanced machine set-up. Since students work independently in this class, attendance factors in heavily toward grading.

955-1 Cr. **Furniture Design and Cabinetmaking** (11-12) Prerequisite: Production
2 trimesters – Honors Course plus cost of materials used Woodworking

Furniture Design and Cabinetmaking is the follow-up course to Production Woodworking. The initial three weeks of the course are 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 Production Woodworking, raised panel construction, pocket screw assembly, veneer inlays and overlays, wood intarsia, cabinet/furniture hardware, and advanced machine set-up. Since students work independently in this class, attendance factors in heavily toward grading.

Students would be allowed to take this course for honors credit by meeting the following criteria above and beyond the normal expectations.

- Critiques of twelve journal articles will be completed over the duration of the 24 week course. Journal articles will be selected by the instructor.
- A student must have taken a semester long drafting/design course prior to taking "Furniture Design and Cabinetmaking". (Computer Aided Design 2D or Introduction to Architecture).
- Formal drawings for all projects must be completed using our CAD software.
- Any completed project is required to have some level of veneer inlay work as part of its design.

175- Building Trades (11-12) Prerequisite: Production Woodworking
1/2 1 trimester

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, simple wiring for outlets and lights, and installing doors and windows. Basic safety, basic math, hand and power tools, blueprint reading, basic rigging, concrete, laying block and home energy efficiency.

176- Small Engines (10-11-12) Prerequisite: Technology and Engineering 161
1/2 1 trimester

The construction and principles of operation of two cycle and four cycle small engines will be studied during this trimester class. During this time, an engine that works will be disassembled and studied. It will then be reassembled and test run.

Another part of the class will consist of bringing in an engine needing repair. This engine will be disassembled and each part will be checked to determine if it is within the acceptable limits. The student will purchase the necessary repair parts and reassemble the engine and test run it. The student pays for repair parts needed to repair engine.

177- Advanced Engine Technology (12) Prerequisite: Small Engines 176
1/2 1 trimester

Students will use knowledge gained during the Introduction Small Engines class to tackle problems relating to more advanced engine systems. Students will be introduced to, trouble shoot and repair four cycle over head valve engines and two cycle engines. It is highly recommended that students take 166 or 168 Computer Aided Design 2D before taking this course, but they are not required to do so.

178- Fundamentals of Electricity/Electronics (10-11-12)
1/2 1 trimester

This course is designed with the beginning electricity student in mind. Essentially, it could be called a "DC Circuits" course. This course **is not** a house wiring class. Students will study basic electronic circuit design along with the components placed in them. Fundamental electrical theory such as Ohm's and Kirchoff's Laws of electricity will be studied. Students will be taught electrical wire and circuit board soldering skills through assembly of pre-purchased project kits. Series, parallel, and combination circuits will be built and analyzed using the breadboard technique. Electrical values such as current, voltage, resistance, and power will be calculated mathematically and measured using DMMs (Digital Multimeters). This course will prep students for careers in engineering, electronics, computer hardware support, and electrical apprenticeship. Being a C or better student in Algebra will support students in this course.

179-1/2 **Transportation Engineering** (11-12) Prerequisite: Metal Tech 1 and Metal Tech II, Small Engines, Introduction to Architecture, and Computer Aided Design (CAD) 2D
1 trimester

This course explores the application of power and energy. Students will work as a team to design and build a high mileage vehicle (HMV) from the ideation phase through test drive and finally competition following parameters set down by governing bodies. Technologies studies will include fuel economy, environmental impacts of the internal combustion engine, gearing and force issues, metal fabrication, engine modification, fuel delivery system, body panel fabrication and design, aerodynamics and automotive specific measurement.

264-1/2 **Advanced Photography** (11-12) Prerequisite: Media Production
1 trimester

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 black and white portfolio consisting of work up to 16" x 20" in size. You will also be working with digital concepts and large format printing up to 13" x 19".

957-1/2 **Advanced Photography** (11-12) Prerequisite: Media Production
1 trimester – Honors Course

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 black and white portfolio consisting of work up to 16" x 20" in size. You will also be working with digital concepts and large format printing up to 13" x 19".

The additional work for the honors credit would include a 16" x 20" 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.

265-1/2 **Practical Technology and Engineering** (10-11-12) Prerequisite: None
1 trimester

This class is designed for female students who would like a practical experience in the area of Technology and Engineering. Students will be exposed to a wide variety of Technology and Engineering concepts explored through "hands on" activities and projects. Areas of exploration can include, but are not be limited to, basic automotive maintenance, laser engraving and cutting, wood projects, house model building, electronics circuit board soldering, CAD (Computer Aided Design), and 3D Solids Modeling. Students who have taken Technology and Engineering 160 and 161 would not be eligible for this course.

266- Graphic Communications (10-11-12)
1/2 1 trimester

Graphic Communications is a general introduction to graphic communications systems and processes. This course introduces students to different technological systems used to communicate through graphic means. Students will study the following areas in the course: design principles, fonts and color, publishing, prepress options, printing methods and printing practices. The primary software used during this course will be Adobe Photoshop and Adobe Illustrator. One of the major assignments in this course will be multiple t-shirt graphic designs using multi-color screen printing production equipment. Another major project will be single color and multi color ad media design and production.

268- Media Production (10-11-12)
1/2 1 trimester

This course will cover an introduction to black and white photography, digital photography, video production and audio production techniques. During the photography unit, students will be learning the basics of how to use a 35mm SLR camera and a digital camera, photographic composition, basic darkroom and digital editing procedures. In the video and audio production units, students will be exposed to Apple's iPhoto, iMovie and garageBand software bundles. Students will be producing original videos, music and photographs.

269- Advanced Digital Media Production (11-12)
1/2 1 trimester Prerequisite: Media Production

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. During the digital video unit the Advanced Digital Media Production student will develop a 30 minute or longer documentary complete with original music. This project will be a compilation of photographs, video, and music the final presentation will be in DVD format. The second major assignment will be a Black and White montage.

270- Graphic Communications Management (11-12)
1/2 1 trimester Prerequisite: Media Production and Graphic Communications

Students will take the skills learned in Media Production and Graphic Communications and learn to run a small 'in school' company responsible for the production of graphic and video materials. Students will make some or all of the following graphic products: shirts, calendars, spined booklets, hard cover books, video yearbooks, "best of" dvd's and posters.

