



2018-19

Career Planning & Course Guide



Beloit Memorial High School



Dear BMHS Families,

It is my pleasure to welcome you to the 2018-19 school year at Beloit Memorial High School!

I am pleased to present you with our latest course offering guide. We are committed to providing continuous improvement, and to providing rigorous coursework to advance students in their preparation for College and Career readiness skills and standards! I am pleased to report that our Advanced Placement program has never been stronger with the addition of the High School of Business program providing advanced business courses. In addition, BMHS is on a journey to develop and implement College and Career readiness programming and instructional strategies such as AVID and an Academy school structure that organizes and develops Career and College programming pathways as choices for our students.

At BMHS College level credits are available for Advanced Placement coursework. College level programming is available through Project Lead the Way, Youth Options, Course Options, the Porter Scholars program and our many articulated and transcribed, dual-credit courses and programs through Blackhawk Technical College. Whatever college, career, military or workplace adventure you are interested in pursuing, there is a pathway of courses for you, here at BMHS!

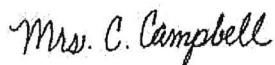
In addition, Beloit Memorial is a state leader in the area of advanced career and technical education offerings. Students are able to explore careers with workforce demands such as machining, construction, manufacturing and engineering through our REACH program. Further enhancing students' learning opportunities are the variety of internships, co-ops and youth apprenticeship opportunities. Certificates are available to be earned in the areas of welding, auto technology, Microsoft Office, Employability Skills, Hospitality, construction and Project Lead the Way. In the area of Early Childhood education, students can potentially be on a pathway to earn 18 college credits while at Beloit Memorial High School.

Beyond the core and College and Career educational offerings, Beloit Memorial offers students a myriad of electives including band, orchestra, choral and theatre, extra-curricular activities, and WIAA sanctioned Athletics. The opportunities at BMHS to explore interests are extensive and second to none among our area high schools. Our facilities are newly renovated with state of the art facilities in the Career and Technical Education department and in Wisconsin, with an Olympic sized pool in the Natatorium. Students and staff alike, take advantage of our newly renovated, full scale fitness center.

I encourage you to take time to devote your attention to thinking about your future and to planning your educational journey here at Beloit Memorial. We open the door for you to utilize the expertise and talents of our staff; School Counselors, Student Services, Teachers and Administrators to gain insight and advice as you navigate your choices.

We are very excited about the upcoming 2018-19 school year and all it has to offer our students and families. I, and the BMHS staff, look forward to seeing you in classes at Beloit Memorial High School this fall! Please contact us with any questions!

Sincerely,

A handwritten signature in cursive script that reads "Mrs. C. Campbell".

Carole L. Campbell
Principal

Art Department

- The Art department offers a wide variety of courses for all levels of interest in art. 2-D Art and 3-D Art are designed as foundational or introductory level courses. They provide a range of process and media exposure for beginning art students, helping them determine areas of personal interest and strength. 2-D Art can be taken at the same time, before, or after 3-D Art.
- 2-Dimensional Art courses: 2-D Art, Intro to Graphics, Drawing, Advanced Drawing, Painting, Printmaking, Digital Art 1 & 2, AP Drawing and AP 2-D Design.
- 3-Dimensional Art courses: 3-D Art, Fiber Arts, Metals & Glass Crafts, Sculpture, Clay-Ceramics & Pottery and AP 3-D Design.
- Introductory Level Art courses without pre-requisites include: 2-D Art, 3-D Art, Fiber Arts and Community Art Appreciation.
- Tier 2 Art courses have 1 pre-requisite course & include: Intro to Graphics, Drawing, Painting, Printmaking, Metals and Glass Crafts, Sculpture, Ceramics & Digital Art. These courses are offered for those with a specific interest and offer a more specialized knowledge of the Arts.
- Tier 3 Advanced Level Art courses have 2-3 pre-requisites & include: Advanced Drawing, Digital Art 2 & Advanced Placement Studio (AP 2-D Design, AP Drawing, AP 3-D Design). These courses are offered for more serious students wanting to develop skill & style, as well as a portfolio of artwork for AP studio and/or college portfolio reviews.

Course Title	Grades Permitted to Enroll				Credit	Prerequisite (Co-requisite denoted "Co")
	9	10	11	12		
2-D Art (I0010)	X	X	X	X	0.5	
3-D Art (I0020)	X	X	X	X	0.5	
Fiber Arts (I0040)		X	X	X	0.5	<i>(not offered in 2018-19)</i>
Community Art Appreciation (I0055)		X	X	X	0.5	
Printmaking (I0050)		X	X	X	0.5	2-D Art
Introduction to Graphic Art (I3002)		X	X	X	0.5	2-D Art
Metal & Glass Crafts (I0025)		X	X	X	0.5	3-D Art
Clay Ceramics (I0031)		X	X	X	0.5	3-D Art
Sculpture (I0032)		X	X	X	0.5	3-D Art
Drawing (I0035)		X	X	X	0.5	2-D Art
Advanced Drawing (I0037)		X	X	X	0.5	Drawing
Painting (I0045)		X	X	X	0.5	2-D Art
Fasion Design (10030)		X	X	X		
Digital Art 1 (I0053)		X	X	X	0.5	2-D Art
Digital Art 2 (I0054)		X	X	X	0.5	Digital Art 1
AP Art History (I4003)		X	X	X	*1.5	
AP Studio (I4000)			X	X	*2.0	Three prior courses within either 2-D or 3-D Track

Two Dimensional Art Courses

2-D ART (I0010) 0.5 credit

Grades: 9, 10, 11, 12

Content: In this beginners course, students will learn basic skills to create drawings, paintings, prints, collages and digital art works, to prepare them for the advanced courses that follow. Creativity, craftsmanship, and the use of the elements of art and principles of design are emphasized.

PRINTMAKING (I0050) 0.5 credit

Grades: 10, 11, 12

Prerequisite: 2-D Art is encouraged

Content: In Printmaking students create an original design called a plate through adding layers to or removing material from wood, linoleum, plastic, cardboard, foam, etc. Ink is then applied to the design, which is transferred to paper, fabric, or other surfaces to make a print. Students will print on t-shirts, fabric, and paper make stencil and stamps in addition to other projects

INTRODUCTION TO GRAPHIC ART (I3002)

Grades: 9,10,11,12

0.5 credit

Prerequisite: 2-D Art

Content: This is an intro level design class for students interested in commercial art. Students will build on their understanding of art & design by applying basic graphic design theory to projects using traditional art supplies and computer software such as Adobe Photoshop. Projects are intended to simulate real world design problems, such as branding/logo development, product & package design, advertisements, page layout, album art, etc.

DRAWING (I0035) 0.5 credit

Grades: 10, 11, 12

Prerequisite: 2-D Art

Content: Students will focus on the basic skills and techniques of drawing. Some areas of focus include line and mark making, value, texture, use of color, composition, proportion, as applied to expressive non-objective, observational, and perspective drawing. Students will explore the use of various drawing media and approaches to draw in personally expressive & creative ways.

ADVANCED DRAWING (I0037) 0.5 credit

Grades: 10, 11, 12

Prerequisite: Drawing

Content: This course is designed as an advanced study of drawing techniques and concepts. Students will delve into various themes, explore expressive media and mixed-media applications and are encouraged to find and develop their own stylistic approach.

Note: Students considering AP Drawing would benefit from taking this course as projects could also be used toward the AP Drawing portfolio.

PAINTING (I0045) 0.5 credit

Grades: 10, 11, 12

Prerequisite: 2-D Art; (Drawing is beneficial, but not required)

Content: Students explore a variety of painting media: watercolor, acrylic, pastel & mixed media. Students will learn color theory & various painting techniques and approaches, moving on to paint subjects such as objects, landscapes, portraits and abstractions.

DIGITAL ART 1 (I0053) 0.5 credit

Grades: 10, 11, 12

Prerequisite: 2-D Art

Content: Students will use digital tools including Adobe Photoshop and various iPad apps to create original artwork. Software is used to create art for video games or animations, character designs, printed works like t-shirts, posters or album art. Students will also learn to recombine and edit photos using special effects.

DIGITAL ART 2 (I0054) 0.5 credit

Grades: 10, 11, 12

Prerequisite: Digital Art 1 (Drawing and Painting are beneficial, but not required)

Content: Students will continue to develop their technical & artistic skills using photo-manipulation and drawing/painting software programs, such as Photoshop & Illustrator. Students will also explore art making, which combines traditional drawing & painting media with original digital creations.

Three Dimensional Art Courses

3-D ART (I0020) 0.5 credit

Grades: 9, 10, 11, 12

Content: In this beginners course, students will learn basic 3-Dimensional building techniques in a variety of materials such as wire, clay, paper mache and cardboard to prepare them for advanced courses in sculpture, ceramics (clay), metals and glass crafts. Creativity and good craftsmanship are emphasized. 2-D art is no a prerequisite.

FIBER ARTS (I0040) 0.5 credit

Grades: 10, 11, 12 (*Not Offered 2018-2019*)

Content: This course offers students experiences with different fiber creations such as felting, knitting and weaving. Students will learn to design with various fabrics, fibers and various types of yarn and string. Creativity, craftsmanship and the use of the elements and principles of design are emphasized.

METAL & GLASS CRAFTS (I0025) 0.5 credit

Grades: 10, 11, 12

Prerequisite: 3-D Art

Content: This course offers students experiences with metal and glass creations. Students will learn to design and shape with wire, metal, stained glass and other metal, glass and jewelry related materials. Creativity, craftsmanship and the use of the Elements and Principles of Design are emphasized.

CLAY CERAMICS (I0031) 0.5 credit

Grades: 10, 11, 12

Prerequisite: 3-D Art

Content: Students spend the entire term making sculptures and pottery out of clay. Using the coil, pinch and slab method you will learn how to create an animal, an organic seed pod, a model building and a large pot. Creativity and good craftsmanship are emphasized.

SCULPTURE (I0032) 0.5 credit

Grades: 10, 11, 12

Prerequisite: 3D Art

Content: Students in this course will explore processes and concepts specific to sculpture. Site specific installations, assemblages and both additive and subtractive methods will be taught. Paper mache, clay, plaster, wire and paper may be used. Creativity and good craftsmanship are emphasized.

Fashion Design (I0030)

0.5 credit

Grades: 10, 11, 12

Content: Students in this course will learn sewing basics by hand and machine, how to up-style clothes, and how to create simple clothes from patterns. Drawing fashion illustrations and developing your own fashion designs will be taught along with working on unconventional materials, recycled garments and new fabrics. **Students will be responsible for purchasing \$15 worth of fabric and notions.**

Public and Honors Art Courses

COMMUNITY ART APPRECIATION (I0055)

Grades 9, 10, 11, 12

0.5 credit

Content: Students in this course will learn to appreciate forms of public art including street art, public sculptures, graffiti and community art projects. Students will learn the concepts and methods used to create art for the public as by studying the founders in the public and street art movements. Students will work in groups creating art for our own community.

AP ART HISTORY (I4003)

1.5 credits

Grades: 10, 11, 12

Content: This course is designed to explore art history from 3000 B.C.E. to present. Students examine and critically analyze major forms of artistic expression from a variety of cultures. Emphasis is placed on the development of analytical and critical thinking. Students will develop an understanding and knowledge of diverse historical and cultural contexts of architecture, sculpture, painting and other media.

Fee: 100% of Advanced Placement exam fee.

AP STUDIO ART (I4000)

2.0 credits

Grades: 11, 12

Prerequisite: Recommended 3 prior courses in the 2-D or t3-D tract.

Content: This advanced placement course is for students wishing to submit a portfolio of art work to the AP board for college credit. Students should come into the course with a portfolio of six works already completed – work can be from other art courses or done on their own. Students must be able work independently, making a focused series of drawings or sculptures of their own creation. Creativity and a strong art foundation are mandatory. **Fee: 100% of Advanced Placement portfolio evaluation fee. No written exam.**

Blackhawk Technical College Courses

The following Blackhawk Technical College courses require a Youth Options application. Applications are available in the School Counseling Office and must be submitted to your counselor by March 1st. Courses are taught on BMHS campus by a Blackhawk Technical College Instructor.

Course Title	Grades Permitted to Enroll				Credit	Requirement
	9	10	11	12		
Medical Terminology (R0812)			X	X	0.5	Application to Youth Options
Introduction to Corrections (R0814)			X	X	0.5	Application to Youth Options
Principles of Emergency Services (R0813)			X	X	0.5	Application to Youth Options

MEDICAL TERMINOLOGY (R0812) 0.5 credit

Grades: 11, 12

Note: Youth Option Application by **March 1**

Content: This course is a comprehensive study of medical vocabulary. The student learns the pronunciation, spelling, definition, and correct usage of medical terms used in a variety of health care settings.

INTRODUCTION TO CORRECTIONS (R0814)

Grades: 11, 12 0.5 credit

Note: Youth Option Application by **March 1**

Content: A multidisciplinary study of corrections from the early 1800's to the present. The course provides an overview of significant studies relating to the role of corrections and the methods of community treatment. The course also includes a thorough analysis of current models and practices in the correctional field. This course focuses on the roles of corrections of offenders and society. It starts with a historical and philosophical view of the development of corrections (post-adjudication processing of criminal offenders) focusing on adult offenders. Later topics include administrative and operational components of corrections, criminals in confinement, post-adjudication procedures and problems and community corrections.

PRINCIPLES OF EMERGENCY SERVICES (R0813)

0.5 credit

Grades: 11, 12

Note: Youth Option Application by **March 1**

Content: The Firefighter-I course is a basic training course geared at the entry level of the Fire Science program. Areas of study include: firefighter safety, protective equipment, department organization, fire apparatus, fire behavior, fire extinguishers, fire hose and appliances, water supply, fire streams, ladders, basic fire-fighting equipment, forcible entry and ventilation, overhaul and salvage, self-contained breathing apparatus, search and rescue, fire alarms and communications, fire inspections and prevention, and sprinkler systems. Most areas of study include a lecture portion and a 'hands-on' portion.

***These courses are transferable to the BTC Health Service Program when completed with a grade of 'C' or better for 3 credit hours**

Business/Computer Education Department

Course Title	Grades Permitted to Enroll				Credit	Prerequisite (Co-requisite denoted "Co")
	9	10	11	12		
Business Foundation (F1000)	X	X	X	X	1	Transcripted Credit BTC
Business Publication (F3016)		X	X	X	1	
Computer Applications (F1004) (MOS Certification)	X	X	X	X	1	Transcripted Credit BTC
Accounting (F2001)		X	X	X	1	
Advanced Accounting (F3001)		X	X	X	1	Recommended C or better in Accounting 1
Business Management (F3011)		X	X	X	0.5	Recommended C or better in Business Foundations <i>(not offered 2018-19)</i>
Multimedia (F3021)		X	X	X	1	Recommended C or better in Accounting, Marketing, or HSB Courses
Personal Finance (F3012)			X	X	0.5	Required for Class of 2019 and after
Entrepreneurship (F3009)			X	X	0.5	Recommended C or better in Business Foundations
Business & Personal Law (F3010)			X	X	0.5	
Sports & Entertainment Management (F3018)			X	X	0.5	Recommended C or better in Marketing 1, Multimedia, Business Foundations or Accounting
Advanced Business (F4002)			X	X	1	Multimedia, Advanced Accounting, Personal Finance, Business Management or Accounting. Co-requisite: Business Internship
Business Internship (F4003)			X	X	2	Co-requisite: Advanced Business Instructor Approval of Work Site
Intro to Marketing (F3007)			X	X	1	
Advanced Marketing (F4007)			X	X	1	Recommended C or better in Marketing 1 <i>(not offered in 2018-19)</i>
PIE Computer Applications (UW Whitewater Course) (F3015)			X	X	1	<i>(not offered in 2018-19)</i>
High School of Business Courses						
HSB Principles of Business (F4010)		X	X	X	1	
HSB Business Economics (F4020)		X	X	X	1	HSB Principles of Business
HSB Principles of Marketing (F4030)			X	X	1	HSB Principles of Business and Business Economics
HSB Principles of Finance (F4040)			X	X	1	HSB Principles of Business and Business Economics
HSB Business Strategies (F4060)			X	X	1	HSB Principles of Business, Business Economics, Principles of Marketing, Principles of Finance and Principles of Management

General Business Courses



BUSINESS FOUNDATIONS (F1000)

Grades: 9, 10, 11, 12

1.0 credit

This is a BTC 3 credit transcribed class.

Content: This course is designed to help students become familiar with the business world around them. It provides students with a basic understanding of consumerism, insurance, taxes, credit, checking accounts, banks, organized labor, occupations and careers, and money management. (Note: A "transcribed class" means that the student can receive 3 credits at Blackhawk Technical College for successful completion of the course with a C or better.)

PERSONAL FINANCE (F3012)

0.5 credit

Grades: 11, 12

Content: Required for Class of 2019 and after. A working knowledge of personal finances is essential for all citizens. This course studies practical mathematics used in daily life. Important topics covered in this course include the following: consumer credit; stock market investing; personal financial planning & budgeting; comparison of wages and salaries; personal banking (traditional and online); buying, maintaining, financing and insuring a home/apartment and/or car; taxes; and more. A simple four-function calculator is required.

ADVANCED BUSINESS (F4002)

1.0 credit

Grades: 11, 12

Prerequisite: Must have taken 1 of the following: Business Foundations, Multimedia, Marketing 1, Advanced Marketing, Accounting 1, Advanced Accounting, Personal Finance, International Business, or Business Management.

Co-Requisite: Business Internship

Content: This course is recommended for students who are interested in business careers. Instruction on telecommunication, data processing, business skills, job search, application and interview skills are included along with instruction related to on-the-job training skills.

BUSINESS INTERNSHIP (F4003)

2.0 credits

Grades: 11, 12

APPLICATIONS MUST BE SUBMITTED TO INSTRUCTOR FOR APPROVAL

COREQUISITE: Advanced Business

Prerequisite: Must have taken Computer Applications **and 1** of the following: Business Foundations, Multimedia, Marketing 1, Advanced Marketing, Accounting 1, Advanced Accounting, Personal Finance, International Business, or Business Management.

Content: On-the-job training in area of business/office career choice (cannot have a job in health, day care, or food industry). Students will be released from school to go to work in an approved work site or work Knight Zone concessions. The student will be responsible for transportation to and from work, and must average 10-15 hours per week. Instructor must approve all job sites.

Accounting Courses

ACCOUNTING (F2001)

1.0 credit

Grades: 10, 11, 12

Content: Interested in a business career? Then this course is a must! This course introduces the basic principles of accounting: journalizing, posting, preparing financial statements, completing end-of-period activities, and reconciling a checkbook. Many aspects of personal money management are also covered. Computers are incorporated into this course daily. A calculator is required.

ADVANCED ACCOUNTING (F3001)

1.0 credit

Grades: 10, 11, 12

Prerequisite: Recommended C or better in Accounting 1.

Content: This course builds on what students have learned in Accounting 1. Students will study special journals, corporations, non-profit organizations, prepaid expenses and bad debts to list just a few. Computers will be used daily.

Business Management Courses

BUSINESS MANAGEMENT (F3011) 0.5 credit

Grades: 10, 11, 12 (Not Offered 2018-2019)

Prerequisite: Recommended C or better in Business Foundations.

Content: This term course is designed for students interested in pursuing a career in business administration. Students will gain an understanding of the business world including finance, marketing, public relations, manufacturing, and human resources. Assignments include projects, presentations, and videos. It is recommended that students have a USB Drive.

ENTREPRENEURSHIP (F3009) 0.5 credit

Grades: 11, 12

Prerequisite: Business Foundations

Content: Prepare yourself for an exciting career as an entrepreneur where people will be working for you! Students will gain valuable entrepreneurial experience and knowledge through projects and speakers.

BUSINESS & PERSONAL LAW (F3010) 0.5 credit

Grades: 11, 12

Content: This is a course for students interested in a better understanding of the laws of society that will affect their daily lives. Topics covered: law enforcement and the courts, crime, torts, contracts, insurance, personal property, real property, landlord-tenant relationships, negotiable paper and Wills. Students will participate in a Mock Trial. Upon completion of the course, students will be better equipped to recognize legal problems and know when legal help is needed and where to find the answers to legal questions.

**SPORTS AND ENTERTAINMENT
MANAGEMENT (F3018)**

0.5 credit

Grades: 11, 12

Prerequisite: Recommended C or better in Business Foundations, Accounting, Multimedia or Marketing 1.

Content: This course is designed to introduce an understanding of the principles necessary to properly operate a sports or entertainment organization. Principles include facility management, marketing and promotion, public relations, community service, sponsorships and legal issues. In addition, the course will offer theoretical and practical application by providing simulations, case studies and projects that allow the students to become a decision maker in an organization.

Business Marketing Courses

INTRO TO MARKETING (F3007) 1.0 credit

Grades: 11, 12

Content: Students in Intro to Marketing will gain an understanding of what marketing is, as well as economics, selling, pricing, product development, advertising, and employability skills. Students will demonstrate their knowledge of these concepts by participating in a variety of real life business projects. This course allows students the opportunity to engage in teamwork activities and to showcase their creativity. Intro to Marketing is strongly recommended for any student who plans to pursue a business degree/career. Students will also have the opportunity to participate in the DECA Club.

ADVANCED MARKETING (F4007) 1.0 credit

Grades: 11, 12 (Not Offered in 2018-2019)

Prerequisite: Recommended C or better in Intro to Marketing

Content: Students in Advanced Marketing will use many of the skills learned in Intro to Marketing and apply them to more comprehensive projects. Students will develop a professional portfolio and complete a written project based on a marketing related situation or problem. These projects may be entered into competition at the State DECA Conference held each spring. Other areas of instruction include sports and entertainment marketing, management concepts, customer service, public relations, marketing plans, and communications. Advanced Marketing is strongly recommended for any student who plans to pursue a business degree/career. Students will also have the opportunity to participate in the DECA Club.

Business Technology Courses

BUSINESS PUBLICATIONS (F3016) 1.0 credit

Grades: 10, 11, 12

Content: This is a year-long (4 terms) course that will produce and sell the BMHS yearbook, The Beloit. Students must be committed to be in the course throughout the entire year. (If you are not able to be committed to the class for the entire year please see the instructor before signing up). Students will compose, construct, and edit all elements of computerized text layout, graphic art, and digital photography. Business Publications is a monetary business which requires students to work cooperatively and independently. Students will work outside of class taking pictures of school events and selling business ads to local and surrounding area businesses. Students will be using Inline Design Software and Adobe Photoshop.

COMPUTER APPLICATIONS (F1004)

Grades: 9, 10, 11, 12 1.0 Credit

Content: This course is designed to offer students the opportunity to earn a Microsoft Office Specialist (MOS) Certification in Word, PowerPoint and Excel. Students will learn a wide variety of skills in each of the three areas (Word, PowerPoint and Excel) which can be used for school, college, work and personal use. Currently 80% of the workforce utilizes computer skills therefore students will learn the skills needed to be successful in Word, PowerPoint and Excel and pass the Microsoft Office Specialist (MOS) certification test(s). Once the test(s) are passed students will have the privilege of providing that information to colleges, businesses and employers.



MULTIMEDIA (F3021)

1.0 credit

Grades: 10, 11, 12

Prerequisite: C or better in Accounting, Marketing or any High School Business course

Content: Excel in our digital world by acquiring the software and internet skills employers and colleges are looking for in this competitive marketplace. Students will acquire multiple levels of skills while working through a variety of software programs (2016 Word, Excel, PowerPoint) and apps on the iPad. In addition, students will engage in the making of commercials using iMovie, sound-mixing audio files using Audacity and engage integrating iPad applications into personal and professional environments. This is advance level class of producing multimedia by applying knowledge learned in previous business courses to multimedia projects. Students will be engaged in creating multi-level projects/assignments.

PIE COMPUTER APPLICATIONS

(F3015) 1.0 Credit

(UW-Whitewater Course)

Grades: 11, 12 (Not Offered in 2018-2019)

Content: This course is a college level class using a college level textbook for a thorough introduction to using computers covering word processing, spreadsheets, data storage and retrieval, computer graphics and applications, uses of computers, email and the internet, hardware, history, and problems arising from the use of computers. PIE is a University of Wisconsin Whitewater concurrent enrollment program which allows you to take a University course and receive both high school and college credit for your work.



Juniors or seniors who meet at least one of the following requirements can enroll in PIE:

- Class rank in the top 25 percent.
- A GPA of at least 3.25 on a 4.0 scale.
- An ACT score of 24 and class ranking in the top 50 percent.

HIGH SCHOOL OF BUSINESS COURSES

HSB PRINCIPLES OF BUSINESS (F4010)

Grades: 10, 11, 12 **1.0 Credit**

Prerequisite: None

Content: Q: What do your favorite rock group's tour schedule, the logo on a coffee mug, and the Wall Street Journal have in common? A: Business. It's everywhere. Principles of Business will open the student's eyes to the world of business. During the course students will be introduced to some of the major areas of business administration such as marketing, management, and finance through fun, real world projects.

HSB BUSINESS ECONOMICS (F4020)

Grades: 10, 11, 12 **1.0 Credit**

Prerequisite: None

Content: Have you ever thought about the choices that the Three Little Pigs made from an economic perspective? In Business Economics, students will consider how decisions (such as work vs. play or sticks vs. straw) affect businesses and individuals in the short and long term. Students will conduct research and examine business problems as well as learn about microeconomic, macroeconomic and international economic concepts.

HSB PRINCIPLES OF MARKETING (F4030)

Grades: 11, 12 **1.0 Credit**

Prerequisite: Principles of Business, Business Economics

Content: Why would Volkswagen choose an e-mail campaign over a television commercial? How does Nike determine its pricing strategy? Through projects and problem-solving students will get inside marketers' heads and find out what makes them tick. Projects in the course will challenge students to analyze the business world, work through key marketing decisions such as pricing and product image, and apply knowledge gained to develop a marketing strategy.

HSB PRINCIPLES OF FINANCE (F4040)

Grades: 11, 12 **1.0 Credit**

Prerequisite: Principles of Business, Business Economics

Content: Can you imagine a company president who doesn't understand finances? Learning how companies manage their money is important in any business career. In this course, students will face issues that concern financial markets and institutions. This includes how companies get money for improvements (a new building, a Super Bowl advertisement), make money (sales of products, investments), and keep track of money (understanding financial reports, making smart and ethical decisions). An online investing project provides a fun, hands-on experience in this important area of business.

HSB PRINCIPLES OF MANAGEMENT (F4050)

Grades: 11, 12 **1.0 Credit**

Prerequisite: Principles of Business, Business Economics

Content: Get an up-close look at managing. Students will learn first-hand how to manage projects and people—and how to do it ethically and legally. This course includes individual and group work as students conquer problems in the different areas of management, including human resources management, risk management, project management, and knowledge management.

HSB BUSINESS STRATEGIES (F4060)

Grades: 11, 12 **1.0 Credit**

Prerequisite: Principles of Business, Business Economics, Principles of Marketing, Principles of Finance, and Principles of Management

Content: In this capstone course students will run their own business. Using the concepts learned in previous High School of Business TM courses, students will start by writing a real business plan. That plan will then be put into action by opening and operating a business. Student owners will tackle problems real business professionals face, such as interviewing, hiring and supervising staff, keeping financial records, evaluating results, and much more. Along the way students will experience how the areas of a company (marketing, finance, management, etc.) work together.

English/Language Art Department

Course Title	Grades Permitted to Enroll				Credit	Prerequisite (Co-requisite denoted "Co")
	9	10	11	12		
English 9 (B1010)	X				1	
Accelerated English 9 (B1015)	X				1	
English 10 (B1020)		X			1	
Accelerated English 10 (B1025)		X			1	Recommended B or better in English 9 or Accelerated English 9, or Instructor's consent
English 11 (B1030)			X		1	
African American Literature (B1032)			X		1	Recommended C or better in English 9 or Accelerated English 9 and English 10 or Accelerated English 10
Accelerated English 11 (B1035)			X		1	Recommended B or better in English 10 or Accelerated English 10, or Instructor's consent
AP Language and Composition (B1036)			X	X	1	Recommended B or better in English 10 or Accelerated English 10 or Instructor's consent
English 12 (B1040)				X	1	
Blackhawk Tech English Course: Written Communication and Oral / Interpersonal Communication (B1045)				X	1	English 11 or Acc. English 11. AP Language and AP Literature satisfy the 11 th grade English credit
Women Writers (B1047)				X	1	Recommended B or better in English 11 or Accelerated English 11 or AP English Language and Composition.
AP Literature and Composition (B1050)				X	1	Recommended B or better in English 11, Accelerated English 11, or AP Language, or Instructor's consent
Media Journalism (B1055)		X	X	X	1	Recommended B or better in English 9 or Accelerated English 9
Greek and Roman Mythology (B1060)		X	X	X	0.5	English 9
World Mythology (B1065)		X	X	X	0.5	English 9
Grammar/Mechanics (B1070)		X	X	X	0.5	English 9
Creative Writing (B1075)			X	X	0.5	English 10
Introduction to Public Speaking (B1098)			X	X	1	2.5 GPA and Approved Youth Options Application U-Rock Course
ELL 1 (B1110)	X	X	X	X	2	Proficiency Determined
ELL 2 (B1120)	X	X	X	X	2	Proficiency Determined
ELL 3 (B1130)	X	X	X	X	2	Proficiency Determined
Aligned English – Fundamentals (B0013F)	X	X	X	X	1 English 1 Elective	Placement by Reading Specialists
Aligned English Level A (B0013A)	X	X	X	X	1 English 1 Elective	Placement by Reading Specialists
Aligned English Level B (B0013B)	X	X	X	X	1 English 1 Elective	Placement by Reading Specialists
Aligned Springboard (B01311/B01312)	X	X	X	X	1	Placement by Reading Specialists

English Grade 9

ENGLISH 9 (B1010)

1.0 credit

REQUIRED: Grade 9

(Accelerated English 9 may be substituted)

Content: Using the College Board's Springboard curriculum, this course will provide each student with a firm foundation in the four core skills of reading, writing, listening, and speaking. It will also provide a variety of writing experiences directed at correct structures in grammar, vocabulary, punctuation, and organization of ideas for clear communication.

**ACCELERATED ENGLISH 9 (B1015) 1.0 credit
Grades: 9**

Content: This course is highly recommended for students planning to go on to higher education and is similar to regular English 9, although there is an expectation that texts will be analyzed in greater depth and at a faster pace. Students who register for this course can expect homework assigned daily, including the completion of reading and writing assignments outside of class time. Students should be highly motivated and be willing to work more independently.

English Grade 10

ENGLISH 10 (B1020)

1.0 credit

REQUIRED: Grade: 10

(Accelerated English 10 may be substituted)

Content: Using the College Board's Springboard curriculum, this course will build upon the student's previous experiences in English 9. Each student will continue in the study of literature, including short stories, novels, drama, poetry and essays. Vocabulary, writing lab, group work, grammar review and various forms of composition can be expected. An oral presentation is also required.

ACCELERATED ENGLISH 10 (B1025)

Grade: 10

1.0 credit

Prerequisite: Recommended B or better in English 9 or Accelerated English 9 or consent of instructor.

Content: This course is highly recommended for students planning to go on to higher education and is similar to regular English 10, although there is an expectation that texts will be analyzed in greater depth and at a faster pace. Students who register for this course can expect homework assigned daily, including the completion of reading and writing assignments outside of class time. Students should also be highly motivated and be willing to work more independently. Students will have to complete an extensive writing project.

English Grade 11

ENGLISH 11 (B1030)

1.0 credit

REQUIRED: Grade: 11

(Accelerated English 11 or AP Language and Composition may be substituted)

Content: Using the College Board's Springboard curriculum, this course will build upon the student's previous experiences in English 9 and English 10. Each student will continue working within the four core skills of reading, writing, listening and speaking. This is a required course in the study of the American Dream and focuses on American literature, including short stories, novels, drama, poetry and essays. Vocabulary, writing lab, group work, grammar review, and various forms of composition can be expected. An oral presentation is also required.

AFRICAN AMERICAN LITERATURE (B1032)

Grades: 11

1.0 credit

Elective may be substituted for English 11

Prerequisite: RECOMMENDED C or better in English 9, Accelerated English 9 and English 10 or Accelerated English 10

Content: Building upon the student's previous experiences in the four core skills of reading, writing, listening and speaking, students will read and study poetry, essays, short stories, plays, and novels from various literary/historical time periods in African American literature. Students who register for this course can expect homework assigned regularly, including the completion of reading and writing assignments, especially dialectical journal entries and essays. Students should be highly interested in this subject, be willing to work more independently, be able to participate actively in classroom discussion, and be able to work in small groups to complete research projects, including oral presentations. This class will pose many challenging questions that have few absolute answers.

**ACCELERATED ENGLISH 11 (B1035) 1.0 credit
Grade: 11**

(English 11 or AP Language and Composition may be substituted)

Prerequisite: Recommended B or better in English 10 or Accelerated English 10 or consent of instructor.

Content: This college-prep course is highly recommended for students planning to go on to higher education and is similar to regular English 11, although there is an expectation that texts will be analyzed in greater depth and at a faster pace. Students who register for this course can expect homework assigned daily, including the completion of reading and writing assignments, especially dialectical journal entries and essays, outside of class time. Students should also be highly motivated and be willing to work more independently, able to participate actively in classroom discussion, and work in small groups to complete research projects, including oral presentations. Considered a pre-AP course, this class will pose many challenging questions that have few absolute answers.

**AP LANGUAGE & COMPOSITION (B1036)
Grade: 11, 12 1.0 credit**

Prerequisite: Recommended B or better in English 10, Accelerated English 10, or consent of instructor.

Note: This class is reading and writing intensive!

Content: This course is designed to take student writers beyond the limited scope of the five paragraph essay. It will provide students with opportunities to demonstrate and improve their academic writing skills through compositions about a variety of subjects in multiple disciplines. Students will develop their analytical, expository, and argumentative writing skills while learning to carefully read and incorporate information from primary and secondary sources of literature. Students should also expect to complete a research project at the end of the semester. Students who successfully complete this course should be able to read complex texts with greater understanding and write prose with richness and depth. Assigned summer reading is mandatory prior to beginning of course.

Fee: Students are responsible for purchasing their own books and paying for the AP Language Exam.

English Grade 12

**ENGLISH 12 (B1040) 1.0 credit
REQUIRED: Grade 12**

(Blackhawk Communications, AP Lit., AP Lang., or Women Writers may be substituted)

Content: Using the College Board's Springboard curriculum, this course will build upon the student's previous experiences in English 9, English 10, and English 11. This required course focuses on the four core skills of reading, writing, listening and speaking. Students will improve their vocabulary and essay skills. An oral presentation is also required.

**BLACKHAWK TECH ENGLISH COURSE:
WRITTEN COMMUNICATION AND
ORAL/INTERPERSONAL COMMUNICATION
(Counts as Eng.12 Credit) (B1045)
Grade: 12 1.0 credit**

Prerequisite: English 11 or Accelerated English. AP Language and AP Literature satisfy the 11th grade English Credit.

Content: This course is the equivalent of Blackhawk Technical College's (BTC) Written Communications and Oral Communications courses and is designed for students intending to attend technical colleges or improve written and oral communication skills. It is aligned with BTC to allow students advanced standing credit upon enrolling at BTC. This means that students who earn a Recommended B or better in the course will earn six technical college credits for the communications courses. An "AS" will be added to the student's transcript to indicate advanced standing to BTC admissions. These credits are required for any associate degree at BTC, they may transfer to other technical colleges or qualify a tech student to transfer to a 4-year program after completing an Associate's Degree at BTC. This course also completes the School District of Beloit's benchmarks for English 12. Units include research essay writing, film analysis and review, poetry reading and oral communications, interview and group communications, public speaking, and written business communication.

WOMEN WRITERS (B1047)**1.0 credit****Grade: 12**

Pre-requisite: Recommended B or better in English 11, Accelerated English 11 or Advanced Placement English Language and Composition.

Content: This accelerated/college-prep course focuses on novels, poetry and short stories written by women who come from all over the world. Students will be able to make connections among the texts and their own lives, write analytically about literature, examine and comprehend writing techniques, and explore issues in contemporary society. Class time will focus on small and large group discussion, literary analysis, and personal responses to literature. As this class is reading and writing intensive, students should expect the reading of texts and the writing of analytical essays to be done outside of class time. Another requirement is a multi-media senior project, which will be presented in front of the class. This course will fulfill the senior English requirement.

AP LITERATURE & COMPOSITION (B1050)**Grade: 12****1.0 credit**

Prerequisite: Recommended B or better in English 11 or Accelerated English 11 or AP Language and Composition, or consent of instructor.

Note: Students are strongly encouraged to take AP Language and Composition or Accelerated English before AP Lit. This class is reading and writing intensive!

Content: This course is conducted as close to a college course as possible. The curriculum endorsed by the College Board demands time management and a strong work ethic. It is designed for the serious student of literature who is confident in his or her ability to write an essay, to complete readings with margin notes before deadlines, and to utilize MLA reference materials to correct grammar. Students will be given the opportunity to write analytically and persuasively in preparation for not only the AP exam but also for their post-secondary education. Written essays, discussion and dialectical journal entries comprise the majority of the graded assignments in the course. Summer readings of 2 texts with extensive margin notes and dialectical journal entries are also required. An impromptu essay exam will be given during the first week of school based upon that summer reading.

Fee: Students are responsible for purchasing their own books and paying for the AP Lit. exam.

English Elective Courses**MEDIA JOURNALISM (B1055)****1.0 credit****Grades: 10, 11, 12**

Content: Students will study the fundamental principles of gathering, writing, reporting, and editing news and feature stories. Emphasis will be placed on accuracy, clarity and reportorial responsibility. The second term continues the emphasis on writing and introduces students to the electronic media with units on media literacy, advertising, TV, and film. Students will also discuss current events on a daily basis. **Note:** Students interested in working on the student newspaper and/or the student yearbook should consider taking this course.

GREEK AND ROMAN MYTHOLOGY (B1060)**Grades: 10, 11, 12****0.5 credit**

Prerequisite: English 9

Content: The fascinating myths of Ancient Greece and Rome concerning the lives of gods, goddesses and great heroes provide the material for this course. Modern day allusions to Greek/Roman words are studied.

WORLD MYTHOLOGY (B1065)**0.5 credit****Grades: 10, 11, 12**

Prerequisite: English 9

Content: This course focuses on the cultures, myths, and heroes of the world's continents. The following units are studied: Myths of the Middle East (Babylonia & Egypt); Myths of Northern Europe (Norse); Myths of the British Isles; Myths of the Far East (India, China, Japan); Myths of Africa; Myths of the Americas (South, Central and North); Myths of Australia (Aborigine).

GRAMMAR/MECHANICS/USAGE IN COMMUNICATION (B1070)**0.5 credit****Grades: 10, 11, 12 (Not Offered in 2018-2019)**

Prerequisite: English 9

Content: This course is recommended for students who enjoy writing and speaking, and who want to strengthen their skills in these areas. The curriculum will review basic grammar, mechanics, and usage rules and incorporate vocabulary words to increase writing and speaking skills. The English department highly recommends this course for those taking the PSAT, SAT, and ACT tests. One third of the questions on these college entrance tests are usage in writing.

CREATIVE WRITING (B1075)**0.5 credit****Grades: 11, 12****Prerequisite:** English 10

Content: This course is designed to foster critical writing and reading skills for students and is based on the belief that active reading and interpreting of texts leads to better writing. Students will read a variety of texts by men and women with multicultural backgrounds. Students will write daily journals and weekly pieces in which they will explore issues and images that connect with readings. Students will share work in class. Students, using their writings, may design and produce a literary magazine.

**INTRODUCTION TO PUBLIC SPEAKING (B1098)
YOUTH OPTIONS COURSE****Grades: 11, 12****1.0 credit****Prerequisite:** Students must have a 2.5 GPA.

Note: Must complete Youth Options application from your school counselor to participate in this program. This course is co-taught by a Professor from University of Wisconsin-Rock County and BMHS English teacher at BMHS

Content: This beginning course, designed to develop confidence and precision as students increase their effectiveness in public speaking and interpersonal communication, focuses on the principles of oral communication and listening in a variety of selected communication experiences. Maximum of 24 students in each class. (This course is transferable to colleges as a 3 credit elective course with a grade of "C" or better.)

English Placement Courses**ELL 1 (ENGLISH LANGUAGE LEARNERS)
(B1110)****2.0 credit****Grades: 9, 10, 11, 12**

(Depending on English language proficiency level.)

Content: ELL 1 introduces school-related vocabulary and general academic language across the curriculum. It develops fundamental literacy skills that focus on reading comprehension vocabulary development, dictionary skills and the writing of short compositions, primarily at the paragraph level. Basic grammar structures are taught and practiced in context. This course may be repeated for credit. This course satisfies an English credit towards graduation.

**ELL 2 (ENGLISH LANGUAGE LEARNERS)
(B1120)****2.0 credit****Grades: 9, 10, 11, 12**

(Depending on English language proficiency level.)

Content: ELL 2 builds on earlier literacy skills and introduces additional skills that are parallel to those taught to native speakers of English. More complex and abstract ideas in spoken and written communication are expected and developed as students' control of English grammar, organizational structure and vocabulary expands. The writing process is introduced and practiced with a focus on simple sentence structure and basic writing conventions. Writing assignments extend beyond the paragraph to longer compositions and short essays. May be repeatable for credit. This course satisfies an English credit towards graduation.

**ELL 3 (ENGLISH LANGUAGE LEARNERS)
(B1130)****2.0 credit****Grades: 9, 10, 11, 12**

(Depending on English language proficiency level.)

Content: ELL 3 is a standards-based curriculum that builds on earlier literacy skills and introduces additional skills (Reading, Speaking, Listening) that are parallel to those taught to native speakers of English. The course is designated to prepare students for either the Springboard curriculum or the Aligned Springboard course with their native English speaking peers. Students study literature and create various forms of composition. This course may be repeatable for credit. This course satisfies an English credit towards graduation.

ALIGNED ENGLISH**(FUNDAMENTALS – B0013F, LEVEL A – B0013A, AND LEVEL B – B0013B)****GRADES 9, 10, 11, 12****2.0 credit****(1.0 ENGLISH, 1.0 ELECTIVE)**

Content: These classes are alternatives to the universal curriculum for students who are not yet ready for SpringBoard in ENGLISH 9-12. Aligned English offers a standards-based curriculum, in reading, writing, speaking, and listening, and is designed to help students value the power of reading and writing, increase motivation to engage in a text, and acquire the skills and processes for success in high school and beyond.

ALIGNED SPRINGBOARD (B01310, B01311 /B01312)**GRADES: 9, 10, 11, 12****1.0 credit**

Content: These courses are an integration of the Aligned curriculum and units from Springboard. Aligned Springboard English offers a standards-based curriculum in reading, writing, speaking, listening and is designed to prepare students for the Springboard curriculum. Students will study literature, including short stories, novels, drama, poetry, and essays. Various forms of composition will be required. An oral presentation is required. This course will fulfill an English requirement.

Family & Consumer Science Department

Course Title	Grades Permitted to Enroll				Credit	Prerequisite (Co-requisite denoted "Co")
	9	10	11	12		
Housing & Interior Design (G0242)	X	X	X	X	0.5	
Health Careers & Occupations (G0282)	X	X	X	X	0.5	
Foods & Cultures (G0272)	X	X	X	X	0.5	
Hospitality Services I (G0323)	X	X	X	X	0.5	
Food Science (G0383)		X	X	X	0.5	Recommended C or better in Physical Science (Elective Science Credit)
Child Development (G0892)		X	X	X	0.5	Transcripted Credit BTC
Hospitality Services II (G0353)			X	X	0.5	Hospitality Services I, Transcripted Credit BTC
Early Childhood Education I (G0333)			X	X	0.5	Transcripted Credit BTC
Foundations of Early Childhood Education (G0345)			X	X	0.5	Transcripted Credit BTC
Early Childhood Education II (G0343)			X	X	0.5	Early Childhood Education I Certification, Transcripted Credit BTC
Early Childhood Education III (G0444)				X	1	Early Childhood Education I Certification or Health Careers & Occupations, Transcripted Credit BTC
Early Childhood Education Internship (G0454)				X	2	Early Childhood Education I Certification. Early Childhood Education III. (Co-requisite: Health Care)
Hospitality Services III and Community Service (G0474)				X	1	Hospitality Services II or any Family & Consumer Science Course
Hospitality Internship (G0484)				X	2	Hospitality Services II. (Co-requisite: Hospitality Services III and Community Service)
Community Service Internship (G0494)				X	2	Any Family & Consumer Science Course (Co-requisite: Hospitality Services III and Community Service)
Personal Finance (F3012)			X	X	0.5	Required for Class of 2019 and after

Family, Children and Health Science Courses

HOUSING AND INTERIOR DESIGN (G0242)

Grades: 9, 10, 11, 12 **0.5 credit**

Content: Students interested in exploring housing and interior decorating should take this course. Students will be exploring decorating and design decisions, including designing a floor plan for their dream house.

HEALTH CAREERS AND OCCUPATIONS (G0282)

0.5 credit

Grades: 9, 10, 11, 12

Content: Students will investigate the more than 200 career opportunities in the health field, one of the fastest growing occupational areas. The course will study the requirements and training for each career in the following areas: Consumer Health, Community Health, Environmental Health, Accident Prevention, Mental/Emotional Health, and Health Related Issues.

Note: Students who plan to enroll in the Health Youth Apprenticeship program should take this as sophomores.

Project materials: \$5.00

CHILD DEVELOPMENT (G0292)

Grades: 10, 11, 12

0.5 credit

Content: This course covers the development of children from conception through preschool years. The course will help students gain knowledge and skills associated with positive parent and child relationships. Students will have opportunities to work with preschoolers ages 3-5 years and to develop activities for these children related to the physical, social, intellectual and emotional development of children in that age group. Students may earn transcribed credit in BTC's Associate Degree program for Early Childhood Education.

PERSONAL FINANCE (F3012)

0.5 credit

Grades: 11, 12

Content: Required for Class of 2019 and after. A working knowledge of personal finances is essential for all citizens. This course studies practical mathematics used in daily life. Important topics covered in this course include the following: consumer credit; stock market investing; personal financial planning & budgeting; comparison of wages and salaries; personal banking (traditional and online); buying, maintaining, financing and insuring a home/apartment and/or car; taxes; and more. A simple four-function calculator is required.

EARLY CHILDHOOD EDUCATION I (G0333)

Grades: 11, 12

0.5 credit

Content: Students will gain knowledge necessary for a career working with young children and could earn transcribed credit in the Associate Degree Program for Early Childhood Education at Blackhawk Technical College. At the end of the course, students may be eligible to receive a certificate that qualifies them to work as an assistant childcare teacher in a child care facility. Certification requirements by the Department of Public Instruction, Department of Children and Family Services, and Blackhawk Technical College require students to earn at least a 'B' in this course and not miss more than six (6) class periods to be eligible for the certificate).



EARLY CHILDHOOD EDUCATION II (G0343)

Grades: 11, 12

0.5 credit

Prerequisite: Child Care Services I Certificate

Content: At the end of the course, students may be eligible to receive a certificate that qualifies them to work as a lead teacher in a child care facility. This course may give the students transcribed credit in the Associate Degree Program for Early Childhood Education. Blackhawk Technical College requires students to earn at least a 'B' in this course and not miss more than six (6) class periods to be eligible for the certificate).



EARLY CHILDHOOD EDUCATION III & HEALTH (G0444)

Grade: 12

1.0 credit

Prerequisite: Child Care Services I Certification or Health Careers

Content: This is a course for seniors who have successfully completed the prerequisite course for an Internship placement and who are interested in pursuing a career in Child Care or Health upon completing high school. Topics covered will complement their site placement.

Note: Those students with a Child Care placement may be eligible to receive the Infant and Toddler certificate as well as the Child Care Skills Standards Certificate from the Department of Public Instruction. Contact BMHS course instructor.



EARLY CHILDHOOD EDUCATION INTERNSHIP (G0454)

2.0 credits

Grade: 12

APPLICATIONS MUST BE SUBMITTED TO INSTRUCTOR FOR APPROVAL

Prerequisite: Early Childhood Education I

Co-requisites: Early Childhood III & Health Care

Content: This course is designed for students who are interested in participating in an Internship work experience in child care. Students will be released from school to go to work at an approved work site. This will involve course work related to the job, on-site job evaluation, and evaluations with the employer.

HEALTH CARE INTERNSHIP (G0464)**Grade: 12** **2.0 credits****APPLICATIONS MUST BE SUBMITTED TO INSTRUCTOR****Prerequisite:** Health Careers**Co-requisite:** Early Childhood Education III & Health Care**Content:** This course is designed for students who are interested in participating in an Internship work experience the Health Field. Students will be released from school to go to work in an approved work site. This will involve coursework related to the job, on-site job evaluation, and evaluations with the employer.**FOUNDATIONS OF EARLY CHILDHOOD EDUCATION (G0345)****Grades: 11, 12****0.5 credit**

This course introduces you to the early childhood profession. Course competencies include: integrate strategies that support diversity and anti-bias perspectives; investigate the history of early childhood education; examine regulatory requirements for early childhood education in WI; summarize types of early childhood education settings; identify the components of a quality early childhood education program; summarize responsibilities of early childhood education professionals; explore early childhood curriculum models. This course may give the students transcribed credit in the Associate Degree Program for Early Childhood Education. Blackhawk Technical College requires students to earn at least a "B" in this course and not miss more than six (6) class periods to be eligible for the certificate.

Hospitality and Food Courses**FOODS AND CULTURES (G0272)** **0.5 credit****Grades: 9, 10, 11, 12****Content:** Students interested in the study of foods around the world should sign up for this course. You will learn about your culture and the culture of others through food preparation in laboratory experiences, media presentations, and group activities. A willingness to try new and different foods is necessary.**Project materials: \$5.00****HOSPITALITY SERVICES I (G0323)** **0.5 credit****Grades: 9, 10, 11, 12****Content:** This class introduces students to commercial kitchen basics and hospitality career exploration. Knife skills and safety, sanitation basics, and commercial equipment functions will all be covered in addition to career cluster surveys. Light food preparation (cooking and baking) as well as nutrition and menuing will be introduced.**Fee: \$10.00****FOOD SCIENCE (G0383)****0.5 credit****Grades: 10, 11, 12****Prerequisite:** Recommended C or better in Physical Science**Equivalent Science Credit may be earned in addition to the Required Science Courses.****Content:** Food Science applies fundamental scientific principles to the research, development, manufacturing, packaging, storage, and marketing of all types of food products including fruits and vegetables, meat and poultry, dairy products and further processed foods. This applied, laboratory-based course is designed to educate about functional components of foods, food safety, nutrition, sensory evaluation, quality assurance, new product development, food chemistry, food processing, engineering, and much more. Students will explore the role of food within various contexts, investigate the management of food quality and safety, explore the processes involved in food production from farming to the science, and physics of various types of food production.**(ES) – Equivalent Science credit may be earned in addition to the required Science courses****HOSPITALITY SERVICES II (G0353)****Grade: 11****1.0 credit****Prerequisite:** Recommended C or higher in Intro to Hospitality Services**Content:** This class continues to prepare students for careers and/or higher education in the hospitality industry. Catered events and prep for the student-run café provide opportunities for students to learn in a hands-on fast-paced and exciting environment. Knife skills and safety, sanitation and food safety, baking, cooking and utilization of commercial equipment in food preparation will be achieved.**Out-of Class Time Required:** 1-2 hours per week if catering jobs become available.**Fee: \$10.00**

**HOSPITALITY SERVICES III & COMMUNITY SERVICE (G0474) 1.0 credit
Grade 12**

Prerequisite: Hospitality Services II or F/CE Course

Content: This is a course for seniors who have successfully completed the prerequisite course for an Internship placement and who are interested in pursuing a career in Food Service, Community Service, Interior Design or Clothing upon completing high school. Topics covered will complement their Internship placement. Also, the student-run Café gives students the opportunity for internship employment in school. Immersing students in a day-to-day operation, they can gain the hands-on experience needed to be more employable outside of school as well as prepares them for culinary or hospitality management program at technical colleges or universities.

**HOSPITALITY INTERNSHIP (G0484) 2.0 credits
Grade: 12**

APPLICATIONS MUST BE SUBMITTED TO INSTRUCTOR FOR APPROVAL.

Prerequisite: Hospitality II

Co-requisite: Hospitality Services III & Community Service

Content: This course is designed for students who are interested in participating in an internship work experience in Food Service. Students will be released from school to go to work at an approved work site. This will involve course work related to the job, on-site job evaluation, and evaluations with the employer.

**COMMUNITY SERVICE INTERNSHIP (G0494)
Grade: 12 2.0 credits**

APPLICATIONS MUST BE SUBMITTED TO INSTRUCTOR FOR APPROVAL

Prerequisite: Any Family and Consumer Education course

Co-requisite: Hospitality Services III & Community Service

Content: This course is designed for students who are interested in participating in an internship work experience in the following areas: Community Service, Interior Design, or Clothing. Students will be released from school to go to work in an approved work site. This will involve course work related to the job, on-site job evaluation, and evaluations with the employer.

Junior Reserve Officers Training Corps Department

THE MAKING OF A BETTER CITIZEN

JROTC is devoted to your growth, both as a student and as a person. JROTC gives you the opportunity to develop and improve yourself in many ways. It uses military skills and techniques to teach self-discipline, confidence, and pride in a job well done and offers you challenges and opportunities to: promote your graduation from high school, develop a solid foundation for career development, sharpen your communication skills, promotes and encourages citizenship, improve physical fitness, and strengthens your self-esteem. Your participation shows a willingness to make the most out of your high school experience. Every member of JROTC is special and brings a different cultural dimension to the program. You can be a member of a unique team---A TEAM OF WINNERS!

LEADERSHIP EDUCATION TRAINING (LET) – THE BENEFITS

JROTC prepares high school students for responsible roles while making them aware of the benefits of citizenship. Leadership Education and Training goals are to graduate from high school, demonstrate positive self-esteem while promoting winning behavioral concepts in a culturally diverse society. JROTC emphasizes and teaches you to think logically and to communicate effectively while displaying the ability to work cooperatively with others. JROTC also teaches the benefits of diet and physical fitness in maintaining good health and appearance. JROTC allows you to participate on the Rifle Marksmanship Team, Drill and Color Guard Teams. Cadets are allowed to participate in a week long summer adventure camp. JROTC students are encouraged to participate in Varsity Athletics and any clubs and or organizations in the school. All JROTC programs are at no cost to the student or parent.

Course Title	Grades Permitted to Enroll				Credit	Prerequisite (Co-requisite denoted "Co")
	9	10	11	12		
JROTC LET 1 (N1000)	X	X	X	X	1	
JROTC LET 2 (N2000)		X	X	X	1	JROTC LET 1
JROTC LET 3 (N3000)			X	X	1	JROTC LET 2
JROTC LET 4 (N4000)				X	1	JROTC LET 3

JROTC LET 1 (N1000)

1.0 credit

Grades: 9, 10, 11, 12

Content: Introduction to ethical values, principals of good leadership and how to communicate effectively with others. Learn how to properly wear the JROTC uniform. Participate in physical fitness activities and learn valuable life skills and how to become a better person and citizen.

JROTC LET 2 (N2000)

1.0 credit

Grades: 10, 11, 12

Prerequisite: Completion of JROTC LET 1

Content: Leadership application is the primary focus. Students are introduced to small group instruction, given leadership positions, and demonstrate knowledge of basic military skills. Learn about world geography, health, wellness and fitness. Demonstrate the ability to think and communicate logically. Improve writing and verbal communication skills.

JROTC LET 3 (N3000)**1.0 credit****Grades: 11, 12****Prerequisite:** Completion of JROTC LET 2

Content: Instruction focuses on leadership application, teamwork, decision making, supervising and mentoring. Participate in physical fitness activities and community service work. Begin the process of applying for post-secondary education and improve both writing and speaking skills.

JROTC LET 4 (N4000)**1.0 credit****Grade: 12****Prerequisite:** Completion of JROTC Let 3

Content: Apply the principles of leadership. Demonstrate proficiency in all basic JROTC skills. Prepare for post-secondary education and or apply skills to a chosen military/civilian education or occupational specialty. Prepare to graduate high school. Provide continuity for the next graduating class of JROTC students. Become a productive citizen of the United States of America.

Mathematics Department

Course Title	Grades Permitted to Enroll				Credit	Prerequisite (Co-requisite denoted "Co")
	9	10	11	12		
Pre-Algebra (C1055)	X				1	Placement by District Curriculum Team
Algebra 1 (C1050)	X	X			1	
Geometry (C1084)	X	X	X	X	1	Recommended C or better in Algebra 1
Algebra 2 (C1060)	X	X	X	X	1	Recommended C or better in Algebra 1 and Geometry
Trigonometry and Advanced Topics (C1090)		X	X	X	1	Recommended C or better in Algebra 2 and Geometry
Pre-Calculus (C2000)		X	X	X	1	Recommended C or better in Trigonometry & Advanced Topics
AP Mathematics: Calculus 1 (AB) (C2010)			X	X	1	Recommended C or better in Trigonometry and/or Advanced Topics or Pre-Calculus
AP Mathematics: Calculus 2 (BC) (C2015)			X	X	1	Recommended C or better in Trigonometry and Advanced Topics or Pre-Calculus, Calculus AB
Probability and Statistics (C1010)	X	X	X	X	1	Recommended C or better in Geometry w/ teacher recommend
AP Mathematics: Statistics (C1020)			X	X	1.5	Recommended C or better in Algebra 2
BTC: Math For Technical Careers 1 (C1093)		X	X	X	0.5	Algebra 1 and Geometry
BTC: Math For Technical Careers 2 (C1094)		X	X	X	0.5	Recommended C or better in Math For Technical Careers 1
PLTW: Introduction to Computer Science (C3025)		X	X	X	1	Recommended C or better in Algebra 1 (Elective Math Credit)
PLTW/MSOE: Computer Science & Software Engineering (C3024)		X	X	X	1	High level math skills recommended (Elective Math Credit)

Classic Mathematical Courses

PRE-ALGEBRA (C1055) 1.0 credit

Grade: 9 (or above with Dept. Chair approval)

Prerequisite: Placement by Department Chair & Math Interventionist.

Content: This is not a self-selected class. Students will be placed in this class based on academic need. The target audience for this course is primarily freshmen whose end of year 8th grade MAPS math test score indicates deficiencies in mathematics that would prevent success in Algebra 1. Placement in this course will be made based on MAPS test scores and will be the decision of the Math Department Chair, Math Interventionist and high school administration. This course will address specific skills necessary for success in high school mathematics and will focus on providing students

with the opportunity to learn the foundational skills necessary for Algebra. Fact fluency will continue to be practiced as students explore pre-algebra concepts such as recognizing patterns, solving equations, graphing functions, using proportional reasoning, developing and applying geometric formulas, and applying probability and statistical concepts. Students will learn when it is appropriate to use technology as a tool to help solve more complex mathematical problems.

ALGEBRA 1 (C1050)**1.0 credit****Grade: 9, 10**

Content: This course deals with the theory of Algebra and requires an ability to grasp abstract concepts. Students will study algebraic expressions, real numbers, solving equations and word problems, polynomials, operations with polynomials, special products and factoring, algebraic fractions, functions, relations, graphs, rational and irrational numbers and quadratic equations. Basic fact fluency is expected and reinforced in this course.

GEOMETRY (C1084)**1.0 credit****Grades: 9, 10, 11, 12**

Prerequisite: Successful completion of Algebra I

Content: This course encompasses all the dimensions of the understanding of geometry: its shapes and forms; the skills of drawing, measurement, and visualization; its properties and deductive nature; its many uses; and the algebraic representation of geometry. The course emphasizes the concepts of coordinates, transformations, area, volume, congruence and similarity in relation to how they can be applied to solve problems in the physical world. Proof-writing and algebraic manipulation is extensively developed throughout the course.

ALGEBRA 2 (C1060)**1.0 credit****Grades: 9, 10, 11, 12**

Prerequisite: Recommended C or better in Algebra I, Geometry

Content: This course requires a mastery of Algebra 1 material. The skills and concepts from Algebra 1 are the foundation of this course. Topics taught in this course include linear and quadratic equations and systems, linear and quadratic inequalities and systems, polynomial functions, radical functions, rational functions, logarithmic and exponential functions, conic sections and graphing a variety of functions. Both basic skill fluency and appropriate concept application are stressed in this course.

Statistical Mathematical Courses**PROBABILITY AND STATISTICS (C1010)****Grades: 9, 10, 11, 12****1.0 credit**

Prerequisite: Successful completion of Algebra 1 and Geometry

Content: This course is designed to meet the needs of students who have interest in pursuing careers that require interpreting and understanding data. In this course we will explore a large range of topics with an emphasis on "real world" applications. Technology plays an important role in statistics and probability by making it possible to generate plots, regression functions, and correlation coefficients, and to simulate many possible outcomes in a short amount of time. Students will regularly apply the tools of technology including graphing calculator and computer to solve problems. They will be challenged through critical thinking exercises and participate in various group and individual activities that will enhance their mathematical reasoning ability and communication skills throughout real world applications.

ADVANCED PLACEMENT MATHEMATICS:**STATISTICS (C1020)****1.5 credits****Grades: 11, 12**

Prerequisite: Recommended C or better in Algebra 2

Content: The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students who do well in this course are encouraged to take the advanced placement Statistics exam for possible college credit. In May, the College Board offers examinations for the AP classes. Students who perform well on the exam may earn college credit. A graphing calculator is required.

Fee: 100% of Advanced Placement exam fee.

Advanced Mathematical Courses

TRIGONOMETRY AND ADVANCED TOPICS (C1090)

1.0 credit

Grades: 10, 11, 12

Prerequisite: Recommended C or better in Geometry and Algebra 2

Content: Students will begin with the study of right triangle trigonometry including: functions, identities, unit circle, radian measure and vector applications. Students will solve oblique triangles using the laws of sine and cosine. Among the advanced topics to be discussed are logarithmic and exponential functions, vectors, parametric equations, polar coordinates and equations, operations with matrices, probability and statistics. A graphing calculator is required.

PRE-CALCULUS (C2000)

1.0 credit

Grades: 10, 11, 12

(Students intending to take Calculus should take this course the previous year, especially if Algebra 2 and Trigonometry grades were C or lower. This course is highly recommended for students who did not take honors math courses, but who wish to take AP Calculus or better prepare for college level math.

Prerequisite: Recommended C or better in Trigonometry and Advanced Topics

Content: Students will apply the theory presented in previous courses. The applications leading to Calculus will be developed. Also included is the study of higher order of polynomial functions as well as rational, radical, logarithmic and exponential functions. Sequences and series and the Binomial Theorem are also studied. The ability to connect mathematics with the outside world and the appropriate use of calculators are important components of this course. A graphing calculator is required.

ADVANCED PLACEMENT MATHEMATICS:

CALCULUS 1 (AB) (C2010)

1.0 credit

Grades: 11, 12

Prerequisite: Recommended C or better in Trigonometry and Advanced Topics,

Content: This course covers limits and continuity, differentiation, anti-differentiation, integration techniques, and applications. The content of this course is equivalent to a first semester of calculus in college. Students who do well are encouraged to take the advanced placement Calculus AB exam in mathematics for possible college credit. Students should plan to purchase a graphing calculator. In May, the College Board offers examinations for AP classes. Students who perform well on the exam may earn college credit. A graphing calculator is required. **Fee: 100% of Advanced Placement exam fee.**

ADVANCED PLACEMENT MATHEMATICS:

CALCULUS 2 (BC) (C2015)

1.0 credits

Grades: 11, 12

Prerequisite: AP Calculus AB

Content: This course deals with applications of integration, Taylor and Maclaurin Series, vector functions, parametric equations, polar equations, and applications of calculus to all of these topics. This course is the equivalent to the second semester of college calculus. Those students who do well are encouraged to take the Advanced Calculus BC placement exam in mathematics for possible college credit. In May, the College Board offers examinations for the AP classes. Students who perform well on the exam may earn college credit. A graphing calculator is required.

Fee: 100% of Advanced Placement exam fee.

Applied Mathematical Courses

BTC: MATHEMATICS FOR TECHNICAL CAREERS 1 (C1093)



0.5 credit

Grades: 10, 11, 12

Prerequisite: Successful completion of Geometry

Content: This course offers an alternative to a traditional math sequence for students who are oriented to a trade or technical program. The target audience is students who lean towards technical college as a post-secondary option. The syllabus will be the same as the Shop Math class offered at Blackhawk Technical College and the class will be articulated for credit at BTC. This course can be taken only after the two-year mathematics requirement for graduation has been fulfilled.

Objectives include; 1) performing arithmetic operation on whole numbers, 2) reading and locating coordinate points in rectangular coordinate systems by absolute and incremental methods, 3) performing arithmetic operations with fractions, 4) performing arithmetic operations with decimals, 5) using ratios and proportions to solve application problems, 6) solving percentage problems, 7) converting within and between US Customary and Metric Systems, 8) find taper angles and taper errors.

BTC: MATHEMATICS FOR TECHNICAL CAREERS 2 (C1094)



0.5 credit

Grades: 10, 11, 12

Prerequisite: Recommended C or better in Mathematics for Technical Careers 1

Content: This course is a continuation of Mathematics for Technical Careers 1 and includes operations with signed numbers, the use of constants in the study of circles and regular geometric shapes and their dimensions as well as finding areas, volumes, and lateral surface areas of regular solids. An introduction to algebra, formulas and linear equation solutions, the use of trigonometry for solving right triangles and oblique triangles is included.

Project Lead the Way Courses

COMPUTER SCIENCE ESSENTIALS (F3025)

(Previously titled: INTRODUCTION TO COMPUTER SCIENCE)

Grades: 10, 11, 12

1.0 credits

Prerequisite: Geometry recommended.

Content: Designed to be the first computer science course for students who have never programmed before, CSE is an optional starting point for the PLTW Computer Science program. Students create interactive stories in Scratch™ (an easy-to-use programming language); work in teams to create simple apps for mobile devices using App Inventor; and analyze data about students' health, social habits, and interests using functions in Excel®. Students will learn the impact of computing in society and the application of computing across career paths. They will also transfer the understanding of programming gained in App Inventor to a third language, Python®, in which they learn introductory elements of text-based programming. The course aligns with the Computer Science Teachers Association (CSTA) 3A standards. Students can earn elective math credit with the successful completion of this course.

COMPUTER SCIENCE PRINCIPLES (F3024)

Previously titled: COMPUTER SCIENCE AND SOFTWARE

Grades: 10, 11, 12

1.0 credit

Prerequisite: Computer Science Essentials and Geometry recommended.

Content: CSP implements the College Board's CS Principles framework. Using Python® as a primary tool and incorporating multiple platforms and languages for computation, this course aims to develop computational thinking, generate excitement about career paths that utilize computing, and introduce professional tools that foster creativity and collaboration. This course can be a student's first course in computer science, although we encourage students without prior computing experience to start with Computer Science Essentials. CSP helps students develop programming expertise and explore the workings of the Internet. Projects and problems include app development, visualization of data, cybersecurity, and simulation. The course aligns with CSTA 3B. Students can earn elective math credit with the successful completion of this course.

Performing Arts Department

Course Title	Grades Permitted to Enroll				Credit	Prerequisite (Co-requisite denoted "Co")
	9	10	11	12		
String Ensemble (L0040)	X	X	X	X	1	Prior Experience or Placement Audition
Treble Choir (Women) (L0050)	X				1	
Beginning Orchestra (L0041)	X	X	X	X	1	
Men's Chorus (L0049)	X	X	X	X	1	
Concert Band (L0031)	X	X	X	X	1	Placement Audition
Wind Ensemble (L0035)	X	X	X	X	1	Placement Audition
Jazz Band I (L0037)	X	X	X	X	2	Placement Audition
Jazz Band II	X	X	X	X	1	Placement Audition
Music Composition using Technology (L0062)		X	X	X	0.5	
Performing Arts (L1080)	X	X	X	X	0.5	
Advanced Acting (L1085)	X	X	X	X	0.5	Performing Arts
Symphony Orchestra (L0042)		X	X	X	1	String Ensemble or Placement Audition
Jazz Improvisation (L0039)		X	X	X	0.5	Prior Musical Experience Required
AP Music Theory (L0064)		X	X	X	1.5	Placement Exam
Popular Vocal Styles		X	X	X	0.5	
Varsity Women's Choir (L0053)		X	X	X	2	Prior Experience and/or Vocal Audition
Concert Choir (L0055)		X	X	X	2	Vocal Audition
Knight Choir (L0057)		X	X	X	0.5	
Theatre Arts (L1090)		X	X	X	1	
Theatre Crafts (L1095)		X	X	X	1	

String Music

BEGINNING ORCHESTRA (L0041) 1.0 credit

Grade: 9, 10, 11, 12

Content: This course is designed for any student wishing to learn to play an orchestra instrument (violin, viola, cello, or bass) or an string student wishing to learn another string instrument. Students will learn at least one string instrument over the course of this class. School-owned instruments and method books will be used. **Students will pay a yearly usage fee of \$15 for instrument rental.**

STRING ENSEMBLE (L0040)

1.0 credit

Grade: 9 or have taken beginning orchestra

Prerequisite: Experience in Orchestra at the intermediate school level or Beginning Orchestra at BMHS. No audition required.

Content: String Ensemble is a performing ensemble. Students perform with the Symphony Orchestra in concerts. Required performances include: Fall, Winter and Spring Concerts, and others to be determined. Most (if not all) performances are scheduled outside of school time. Though String Ensemble performs at concerts, the main focus of the ensemble is the development of string/music technique, skill, and knowledge. Students are required to attend scheduled lessons each term. **Students are required to own or rent and maintain an instrument. Students using school-owned instruments will pay a yearly usage fee of \$50.**

SYMPHONY ORCHESTRA (L0042) 2.0 credit**Grades: 10, 11, 12****Prerequisite:** String Ensemble and/or permission of instructor after performance audition.

Content: Symphony Orchestra is primarily a performing ensemble. Required performances include: Fall, Winter, and Spring Concerts, Coronation assembly, and other performances as determined. Most (if not all) performances are scheduled outside of school time. Students are required to attend scheduled lessons. Students rehearse during class time to develop individual and group skills while preparing music of many styles. **Students are required to own or rent and maintain an instrument. Students using school-owned instruments will pay a yearly usage fee of \$50.**

Instrumental Music

CONCERT BAND (L0031) 1.0 credit**Grades: 9, 10, 11, 12****Prerequisite:** Placement Audition. Auditions are held in the Spring of the previous year.

Content: The Concert Band is our second-tier performing ensemble, performing Class B / Grade 3-4 level literature. This is a performance-based class. Students rehearse during class time to develop individual and group skills while preparing for performances. Required participation in activities include: concert performances, pep band, marching band, and solo/ensemble. Students are expected to attend all scheduled lessons and sectionals and to maintain their own instruments. **Students who use a school-owned instrument will pay a yearly \$50 usage fee.**

WIND ENSEMBLE (L0035) 1.0 credit**Grades: 9, 10, 11, 12****Prerequisite:** Placement Audition. Auditions are held in the Spring of the previous year.

Content: The Wind Ensemble is our elite performing ensemble, performing Class A / Grade 5-6 level literature. This is a performance-based class. Students rehearse during class time to develop individual and group skills while preparing for performances. Required participation in activities include: concert performances, pep band, marching band, and solo/ensemble. Students are expected to attend all scheduled lessons and sectionals and to maintain their own instruments. **Students who use a school-owned instrument will pay a yearly \$50 usage fee.**

JAZZ BAND 1 (L0037) 2.0 credits**JAZZ BAND 2 (L0038) 1.0 credit****Grades: 9, 10, 11, 12**

Prerequisite: Enrollment in this class REQUIRES an audition. Students who successfully pass the audition (held the previous spring) will be placed into two separate bands (Jazz 1, Jazz 2) based on playing ability and instrumentation needs. In addition, concurrent enrollment in Concert Band / Wind Ensemble is required for wind and percussionists, and in orchestra for bass players. An exception will be made for pianists and guitarists who do not play a wind/string instrument. **(This requirement can be waived per music director discretion.)**

Content: The purpose of this course is to develop musical independence through knowledge of styles and performance technique of varied jazz literature. The content will include but is not limited to, production of characteristic tone, interpretation of jazz rhythms and articulations, performance of literature from various popular and jazz styles, and to engage in the creative process through improvisation. The ensembles will perform at various festivals and concerts throughout the Midwest. All performances are required.

JAZZ IMPROVISATION (L0039) 0.5 credit**Grades: 10, 11, 12****Prerequisite:** Open to students who have previous musical experience.

Content: The purpose of the course is to develop skills in Jazz improvisation in a variety of styles from the various historical periods of jazz. Students will develop the skills necessary to understand and perpetuate the great music of the jazz genre. Students will work in a combo setting, performing music from the 1930's and 1940's, Latin Jazz, Bebop, and Contemporary music including composers such as Duke Ellington, Miles Davis, Charlie Parker, and Herbie Hancock, just to name a few. This course will allow students to continue the study of music and to participate in music related activities, not only in high school but also into their adult lives. This course can be repeated for credit.

Vocal Music

MEN'S CHORUS (L0049)

1.0 credit

Grades: 9, 10, 11, 12 Men

Prerequisite: No experience required.

Content: This course is designed for male students who are interested in participating in choir at the high school level. Special attention will be made to the changing male voice as well as beginning male vocal technique. Choral music from a variety of styles, time periods, and cultural traditions will be rehearsed and performed. Students will be expected to participate in daily singing activities as well as participate in private voice lessons with the choir teacher. In addition to daily rehearsals, all students must attend required sectionals, concerts, and choir festivals often held outside of the school day. Students will be graded on ensemble contribution, formal assessment, performance, and a final at the end of each quarter.

TREBLE CHOIR (L0050)

1.0 credit

Grades: 9 Women

Prerequisite: No experience required.

Content: This course is designed for grade nine female students who are interested in participating in choir at the high school level. Choral music from a variety of styles, time periods, and cultural traditions will be rehearsed and performed. Students will be expected to participate in daily singing activities that help train the female singing voice as well as participate in private voice lessons with the choir teacher. In addition to daily rehearsals, all students must attend required sectionals, concerts, and choir festivals often held outside of the school day. Students will be graded on ensemble contribution, formal assessment, performance, and a final at the end of each quarter.

Popular Vocal Styles (L0058) *NEW* 0.5 credit

Grades: 10, 11, 12

Prerequisite: No experience required.

Content: In this course students will explore, innovate and create in terms of popular vocal music. This project-based and student centered course will sequence through a brief history of popular music exploring why we listen to the music we do. Various styles of music will be explored: Country, R & B, Jazz, etc. Using methods of media delivery, students will analyze performances and justify the aspects that make performances enjoyable, memorable and marketable. Students will also learn technical components of popular vocal music as well, such as how microphones function along with microphone technique. Students will focus on solo singing incorporating elements from classical and bel canto singing methods, breath and posture. A cumulative project will focus on student designed compositions that will be performed. Students will analyzed, read, write and develop vocabulary as it pertains to popular vocal music.

VARSITY WOMEN'S CHOIR (L0053) 2.0 credit

Grades: 10, 11, 12 Women

Prerequisite: Vocal audition.

Content: This course is designed for 10-12th grade women who are interested in participating in choir at the high school level. Choir is a performance ensemble designed to explore choral music from a wide variety of styles, time periods, and cultural traditions. Students will be expected to participate in daily singing and technique activities that help train the female singing voice as well as participate in private voice lessons with the choir teacher. Music theory and sight-singing will also be studied. In addition to daily rehearsals, all students must attend required sectionals, concerts, and choir festivals often held outside of the school day. Students will be graded on ensemble contribution, formal assessment, performance, and a final at the end of each quarter.

CONCERT CHOIR (L0055) 2.0 credit**Grades: 10, 11, 12 Men and Women****Prerequisite:** Vocal audition.

Content: Concert Choir is an auditioned performance ensemble of 40-50 men and women that explores choral music from a wide variety of styles, time periods, and cultural traditions. Students in Concert Choir have generally been enrolled in Treble Choir, Men's Chorus, or Varsity Women's Choir, but auditions from students not previously enrolled in choir are encouraged. Lessons in music theory and daily singing activities will be focused on training the male and female voices of the ensemble as well as broadening one's understanding of music. In addition to daily rehearsals, all students must attend required sectionals, concerts, and choir festivals often held outside of the school day. In addition to these commitments, members of Concert Choir will be responsible for participating in caroling and singing events at school sporting events and throughout the community. Students will be graded on ensemble contribution, formal assessment, performance, and a final at the end of each quarter.

KNIGHT CHOIR (L0057) 0.5 credit**Grades: 10, 11, 12 Men and Women****Prerequisite:** Choir Director approval needed.

Content: This course is designed for grade 10 – 12 male and female students who are interested in participating in choir at the high school level. This course is open to both students enrolled in general education classes as well as those in special education. Music from a variety of styles, time periods, and cultural traditions will be rehearsed and performed. Students will be expected to participate in daily singing activities that help train the voice as well as participate in the creation and performance of choreography. In addition to daily rehearsals, all students must attend required sectionals, concerts, and choir festivals often held outside of the school day. Students will be graded on ensemble contribution, formal assessment, performance, and a final at the end of each quarter.

Music Composition and Theory

MUSIC COMPOSITION USING TECHNOLOGY (L0062)**0.5 credit****Grades: 9, 10, 11, 12**

Content: The main objective of this course is to provide students with the experience to explore song writing on the Apple based computer software, "Garage Band". With this music composition software, students will be required to create projects and compositions as well as participate in daily lessons centered on the structure and art of writing a song. Students will not only record and experiment with sounds, but will be required to record themselves for a handful of these projects. Students will be expected to present their compositions to the rest of the class after a project is due. Aside from projects, those enrolled will participate in daily graded composition activities (formative assessment) and be assessed on the ability to write, describe, and discuss musical concepts necessary to create a song.

ADVANCED PLACEMENT MUSIC THEORY**(L0064)****1.5 credit****Grades: 10, 11, 12**

Prerequisite: Participation in a performing ensemble and/or private voice/instrument lessons is highly encouraged.

Content: AP Music Theory is the equivalent of a first-year college level music theory course. In this course students will first master the rudiments and terminology of music, including hearing and notating pitches, intervals, scales and keys, metric organization, and rhythmic patterns. From there, students will engage in higher level tasks including, but not limited to, harmonic and melodic analysis, aural skills (including sight-singing and dictation), composition exercises, score analysis of musical masterworks, species counterpoint figured bass analysis and realization, and formal analysis of small and large musical forms. This course will prepare students to take the AP Music Exam. In May, the College Board offers examinations for the AP classes. Students who perform well on the exam may earn college credit

Fee: 100% of Advanced Placement exam fee.

Theatre Arts

PERFORMING ARTS (L1080) 0.5 credit

Grades: 9, 10, 11, 12

Content: This course is a beginning acting course, emphasizing the preparation and interpretation of acting monologues and scenes. Class time will be spent performing and analyzing play scripts. Students will be required to memorize dialogue in acting scenes and perform those scenes in front of the rest of the class.

ADVANCED ACTING (L1085) 0.5 credit

Grades: 9, 10, 11, 12

Prerequisite: Performing Arts

Content: This course will explore in greater depth the acting techniques introduced in Performing Arts. Text analysis, character development, vocal techniques, interpretation skills, and period style will be stressed. Also included will be a study of musical theater choreography, commedia style, and stage combat.

THEATRE ARTS (L1090) 1.0 credit

Grades: 10, 11, 12

Content: Students in Theatre Arts will learn the basic concepts of staging a play and write their own scripts in an ensemble theatre setting and learn short and long form improvisational theatre techniques. They will write original plays, both comic and tragic, adapted from social issues, short stories, non-fiction, and poetry to be performed in front of their peers.

THEATRE CRAFTS (L1095) 1.0 credit

Grade: 11, 12

Content: Dedicated to the backstage/behind-the-scenes aspects of theatre, this class explores the concepts of theatre design. Students will learn about lighting, sound, costume, and set design. All final projects are hands-on in the theatre space. Some time is spent on set construction for the fall play and spring musical with hands-on projects involving props, set, painting, costumes, etc.

Physical Education/Health Department

In order to graduate, each student is required to complete 1.5 credits of Physical Education. A student may earn a maximum of 2.0 credits of Physical Education during their four-year high school career from the following two steps:

1. Each student **MUST** first successfully **PASS** either a Physical Education 9 or a General Physical Education course.
2. After step one has been completed, students may then choose to take as least two of the offered courses from the following list:
 - a. General Physical Education
 - b. Individual and Dual Activities
 - c. Team Activities
 - d. Lifetime Wellness
 - e. Lifeguard & Safety Certifications
 - f. Strength & Conditioning

Upon completing 1.5 credits of physical education from the list above, juniors and seniors may choose to take High School Officiating and seniors may choose to take Outdoor Adventure.

Note: Students shall provide their own Physical Education attire, including a swimsuit, and students must use a padlock, which must be purchased from BMHS.

Course Title	Grades Permitted to Enroll				Credit	Prerequisite (Co-requisite denoted "Co")
	9	10	11	12		
Physical Education 9 (J0030)	X				0.5	
Health (J0055)	X				0.5	
General Physical Education (J0040)		X	X	X	0.5	
Individual and Dual Activities (J0042)		X	X	X	0.5	Physical Education 9 or General Physical Education
Team Activities (J0044)		X	X	X	0.5	Physical Education 9 or General Physical Education
Lifetime Wellness (J0046)		X	X	X	0.5	Physical Education 9 or General Physical Education
Strength & Conditioning (J0058)		X	X	X	0.5	Physical Education 9 or General Physical Education
Lifeguard and Safety Certification (J0048)		X	X	X	0.5	Physical Education 9 or General Physical Education and at least 15 years old by the end of 1st semester and approval by instructor
High School Officiating (J0052)			X	X	0.5	Successful completion of 1.5 physical education credits
Advanced Health and Wellness (J0056)			X	X	0.5	Health
Outdoor Adventure (J0050)				X	0.5	Successful completion of 1.5 physical education credits and an ability to swim

Physical Education Courses

PHYSICAL EDUCATION 9 (J0030) 0.5 credit **Grade: 9**

Content: The course concentrates on improving fitness as well as introducing the student to a wide variety of physical activities. Individual, dual, and team activities are offered with lifetime activities being emphasized. A swimming unit is required. This course can count towards the required 1.5 Physical Education credits needed for graduation.

GENERAL PHYSICAL EDUCATION (J0040) **Grades: 10, 11, 12 0.5 credit**

Content: Emphasis is placed on fitness and refinement of skills developed in previous years of Physical Education courses. A wide range of individual, dual, and team activities, including a swim unit, will be offered. Lifetime activities and fitness will be emphasized.

INDIVIDUAL & DUAL ACTIVITIES (J0042) **Grades: 10, 11, 12 0.5 credit**

Prerequisite: Physical Education 9 or General Physical Education

Content: This course focuses on lifelong physical activities that can be done individually or with another person. Students will have the opportunity to take their skills to a new level while developing an understanding and appreciation for a variety of individual and dual activities. Activities may include tennis, badminton, pickle ball, golf, strength training, bowling, and seasonal activities such as fishing or cross country skiing.

TEAM ACTIVITIES (J0044) 0.5 credit **Grades: 10, 11, 12**

Prerequisite: Physical Education 9 or General Physical Education

Content: This course focuses on physical activities and sports that can be carried out with any number of players, from small teams to large teams. Rules, skill refinement, teamwork, communication, cooperation, and appreciation for the various activities are a few of the major concepts covered in this course. Team activities may include volleyball, basketball, softball, whiffleball, kickball, flag/touch football, soccer, floor hockey, team handball, ultimate frisbee, team swimming games, and other team building activities.

LIFETIME WELLNESS (J0046) 0.5 credit **Grades: 10, 11, 12**

Prerequisite: Physical Education 9 or General Physical Education

Content: Students taking this course shall investigate, develop, and implement a personal fitness program that addresses not only physical activity but will incorporate nutrition, and stress management. This course shall culminate with an individual fitness plan implementation. During the investigation stage the students will sample a variety of strength and conditioning activities including but not limited to: weight/resistance training, Yoga, Pilates, fitness walking, aerobics, water fitness/swimming and cardio-kickboxing. Students will learn that what constitutes lifetime wellness is different for every BODY.

STRENGTH & CONDITIONING (J0058) 0.5 credit **Grade: 10, 11, 12**

Prerequisite: Physical Education 9 or General Physical Education.

Content: Strength & Conditioning is open to any student who is interested in gaining a stronger sense of how to train their bodies and minds to face physical challenges. This course will focus on how to reach and maintain top physical condition. Daily cardio and strength training through a variety of avenues (which includes the pool, cardio and strength centers, gyms, the outdoors, equipment and everyday items...) will be the norm. There will also be research and "active" homework. **A HIGH AMOUNT OF INTENSE PHYSICAL ACTIVITY IS TO BE EXPECTED. HIGHLY ENCOURAGED FOR ALL ATHLETES.**

OUTDOOR ADVENTURE (J0050) 0.5 credit **Grades: 12**

Prerequisite: Students must have completed 1.5 Physical Education credits and have an ability to swim.

Content: Outdoor adventure curriculum challenges students physically, intellectually, socially, emotionally and environmentally. Students shall have ample opportunity to embrace and appreciate the environment from a variety of perspectives as they experience team building initiatives, paddle on the Rock River, ride bicycles on and off road, climb at a climbing gym, rappel from the Barkin Arena cat walks, orienteer the school grounds and at Big Hills Park, hike at area state parks, investigate survival skills/wilderness first aid, outdoor cooking, and try breathing underwater while SCUBA diving.

Fee: Approximately \$35.00 covers equipment rental, transportation costs, and a trip to a rock climbing gym.

Certification Courses

LIFEGUARD & SAFETY CERTIFICATIONS (J0048) 0.5 credit

Grades: 10, 11, 12

Prerequisite: Physical Education 9 or General Physical Education AND students must be at least 15 years old by the end of the first semester.
WRITTEN APPROVAL BY COURSE INSTRUCTOR

Content: In this course, students will have the opportunity to become certified with several American Red Cross Certifications. An individual's health and safety is the focus as students become certified in First Aid and CPR (professional). Students also earn their life guarding certifications. Students will be expected to swim every day.

Fee: \$78.00 (\$43.00 - Class Materials, \$35.00 – Red Cross Certification)

ADVANCED HEALTH AND WELLNESS (J0056)

Grades: 11, 12

0.5 credit

Prerequisite: Health

Content: The course is designed to take a more in-depth look at personal and community health issues. The class will provide the opportunity for group and/or independent studies. Each student will be responsible for personal growth and empowered to make a difference in the community. Topics to be covered will be determined by student's concerns/interests. Issues may include: relationships, human growth & development, consumerism, depression/suicide, life-style related health problems, disease transmission, alcohol, marijuana and other drugs. There will be re-certification for American Red Cross Adult CPR and First Aid training. Students will be required to spend several hours beyond class time on independent/group research.

Health Courses

HEALTH (J0055) 0.5 credit

Grades: 9 (Required)

Content: The class concentrates on current health issues within the following concepts: risks, wellness, skill building, positive practices, and community. The different threads incorporated in the program include accident prevention and safety, community health, consumerism, environment, physiology, hygiene, human growth & development, mental and emotional health, prevention and control of diseases, substance use/abuse, nutrition, and personal health. The focus is on what enhances wellness and how to achieve and maintain health and wellness. This course is required for graduation.

Science Department

Graduation Requirements: 3 credits of science is required: 1 credit of Physical Science or Accelerated Physical Science, 1 credit of Biological Science (Ecology, Human Biology), and an additional science credit of your choice.

All science courses involve both lab and lecture modes of instruction and meet the lab science requirements for colleges and universities. Students may choose computer-simulated dissection labs. Problem solving using the scientific method and metric units of measurement are utilized in all courses.

Prerequisites: Prerequisites are considered met with the successful completion of the listed course(s).

Accelerated Physical Science: You should consider registering for Accelerated Physical Science 9 if you earned an A or B in 8th Grade science and/or an Advanced Proficient on the state science exam.

Course Title	Grades Permitted to Enroll				Credit	Prerequisite (Co-requisite denoted "Co")
	9	10	11	12		
Physical Science 9 (E1010)	X				1	
Accelerated Physical Science 9 (E1011)	X				1	
Earth Series: The Physical World (E1200)		X	X	X	0.5	Physical Sci or Accelerated Phys Sci
Earth Series: Water, Weather, & Climate (E1202)		X	X	X	0.5	Physical Sci or Accelerated Phys Sci
Chemistry In The Community (ChemCom) (E3012)		X	X	X	1	Physical Sci or Accelerated Phys Sci AND Algebra 1
General Chemistry (E3011)		X	X	X	1	Physical Sci or Accelerated Phys Sci AND Algebra 1
Electrical Systems (E2012)		X	X	X	0.5	Physical Sci or Accelerated Phys Sci AND Algebra 1 (Not Offered in 2018-2019)
Conceptual Physics (E3013)		X	X	X	1	Physical Sci or Accelerated Phys Sci AND Algebra 1
Biology Series: Human Biology (E2020)		X	X	X	0.5	Physical Sci or Accelerated Phys Sci
Biology Series: Ecology (E2021)		X	X	X	0.5	Physical Sci or Accelerated Phys Sci
Biology Series: Botany (E2018)			X	X	0.5	Ecology
Biology Series: Zoology (E2024)			X	X	0.5	Human Biology
Anatomy and Physiology (E3020)			X	X	1	Human Biology (Pre) and Chemistry or ChemCom (Pre/Co)
Introduction to Forensic Science (E2026)			X	X	0.5	1 Physical and 1 Biological Credit
Earth Series: Astronomy (E1204)			X	X	0.5	Physical Sci or Accelerated Phys Sci AND Algebra 1
AP Physics 1 (E4030)			X	X	1	Conceptual Physics (may be waived by instructor) and Algebra 2
AP Physics 2 (E4032)			X	X	1	Conceptual Physics (may be waived by instructor) and Algebra 2
AP Chemistry (E4012)			X	X	1.5	Chemistry and Algebra 2
AP Biology (E4020)			X	X	1.5	1 Biological Credit (Pre) Chemistry or ChemCom (Pre/Co)
AP Environmental Science (E4024)			X	X	1.5	Ecology (Pre/Co) Chemistry or ChemCom (Pre/Co)

Physical Science Courses

PHYSICAL SCIENCE 9 (E1010) 1.0 credit

Required Grade: 9

(Accelerated Physical Science 9 may be substituted)

Content: Students have an opportunity to explore the fields of Chemistry, Physics and Earth Science in detail in this course. Chemistry units include matter, chemical, and nuclear reactions. Physics units include motion, forces, and energy. Students will also study topics on the universe, geology, and weather in the Earth Science portion of the course. This is considered a foundation course for all other science courses and addresses NGSS topics.

ACCELERATED PHYSICAL SCIENCE 9 (E1011)

Grade: 9 1.0 credit

Freshmen should consider registering for Accelerated Physical Science 9 if earning an A or B in 8th Grade science and/or an Advanced Proficient on the state science exam.

Content: Students have an opportunity to explore the fields of Chemistry, Physics and Earth Science in detail in this course. Chemistry units include: matter, chemical, and nuclear reactions. Physics units include: motion, forces, and energy. Students will also study topics on the universe, geology, and weather in the Earth Science portion of the course. This is considered a foundation course for all other science courses and addresses NGSS topics. This is considered a foundation course for other physical science courses. As an accelerated course, students will be asked to study topics in more depth and be expected to complete additional projects.

CHEMISTRY IN THE COMMUNITY (E3012)

Grades: 10, 11, 12 1.0 credit

Prerequisite: Algebra 1 and Physical Science 9 or Accelerated Physical Science 9

Content: Chemistry in the Community, ChemCom, is a course developed by the American Chemical Society. This course addresses the chemistry of subjects that are likely to influence the daily lives of the students and commonly centers upon topics currently in the news today. Analyzing written material and debating the risks and benefits of issues presented are as important as math skills in this course. Topics include: water, materials, petroleum, air, industry, atoms, and food. This course is accepted as a prerequisite for college.

GENERAL CHEMISTRY (E3011) 1.0 credit

Grades: 10, 11, 12

Prerequisite: Algebra I and Physical Science 9 or Accelerated Physical Science 9

Content: Why do lemons taste sour? Why does ice float? Why does pop go flat? How do a poisonous gas and an explosive metal combine to form a substance you can't live without? In General Chemistry, students explore the answers to these questions and many more. The course topics include: dimensional analysis, atomic structure, the Periodic Table, states of matter, quantum theory, bonding, reactions, gas laws, solutions, acids and bases, and oxidation-reduction. This course is recommended for, but not limited to, college-bound students.

ADVANCED PLACEMENT CHEMISTRY (E4012)

Grades 11, 12 1.5 credits

Prerequisite: General Chemistry and Algebra II or consent of instructor

Content: This three-term class is designed to cover topics usually taught in college Chemistry. Topics include measurement, atomic theory, bonding, reactions, stoichiometry, thermochemistry, molecular geometry, gas laws, solutions, kinetics, equilibrium, acid-base interactions, buffers, thermodynamics, oxidation and reduction, electrochemistry, nuclear reactions, and the fundamentals of organic chemistry.

Fee: 100% of Advanced Placement exam fee

ELECTRICAL SYSTEMS (E2012) 0.5 credit

Grades: 10, 11, 12 (Not Offered in 2018-2019)

Prerequisite: Algebra 1 and Physical Science 9 or Accelerated Physical Science 9

Content: How does an LED work? What are all those parts for in my game system or cell phone? Electronics students will learn the science behind how modern electronic devices work. This course is recommended for students interested in science, technology, or related careers such as automotive technician for background knowledge.

CONCEPTUAL PHYSICS (E3013) 1.0 credit**Grades: 10, 11, 12****Prerequisite:** Algebra 1 (Geometry recommended) and Physical Science 9 or Acc. Physical Science 9**Content:** Physics students can discover the answers to these or other questions about the laws of nature. Topics include: velocity, acceleration, speed of light travel, momentum, forces, energy, waves, electricity, light, and nuclear forces. This course is recommended for, but not limited to, college bound students.**ADVANCED PLACEMENT PHYSICS 1 (E4030)****Grades: 11, 12 1.0 credit****Prerequisite:** Conceptual Physics (may be waived by instructor) and Algebra 2**Content:** AP Physics 1 is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics; work, energy, and power; mechanical waves and sounds; and introductory of simple circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills.**Fee: 100% of Advanced Placement exam fee****ADVANCED PLACEMENT PHYSICS 2 (E4032)****Grades: 11, 12 1.0 credit****Prerequisite:** Conceptual Physics (may be waived by instructor) and Algebra 2**Content:** AP Physics 2 is an algebra-based, introductory college-level physics course that explores topics such as fluid statics and dynamics; thermodynamics with kinetic theory; electrical circuits with capacitors; magnetic fields; electromagnetism; optics; and quantum, atomic, and nuclear physics. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills.**Fee: 100% of Advanced Placement exam fee**

Earth and Space Science Courses

EARTH SERIES: THE PHYSICAL WORLD (E1200)**Grades: 10, 11, 12 0.5 credit****Prerequisite:** Physical Science 9 or Accelerated Physical Science 9**Content:** This course focuses on the physical and historical nature of geology. Students will study the dynamics and structure of our planet in terms of rocks, minerals, soils, landforms and plate tectonics. Environmental issues concerning practices such as mining will be incorporated into the course.**EARTH SERIES: WATER, WEATHER & CLIMATE (E1202)****Grades: 10, 11, 12 0.5 credit****Prerequisite:** Physical Science 9 or Accelerated Physical Science 9**Content:** This course focuses on the interactions and movement of water in, on and above our planet. Students will study the interaction of energy with the water and atmosphere and the resulting geography of weather and climate. Environmental issues such as global warming, water and air pollution will be explored.**EARTH SERIES: ASTRONOMY (E1204)****Grades: 11, 12 0.5 credit****Prerequisite:** Physical Science 9 or Accelerated Physical Science 9 **and** Algebra 1**Content:** This course will explore how physical laws govern the universe. Students will trace the evolution of historic cosmological ideas into modern theories. Additionally, students will compare the structure and motion of solar system bodies. Students will study the life cycle of stars and the structure of galaxies. Space travel of the past, present and future will also be explored.**ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE (E4024)****Grades: 11, 12 1.5 credits****Co-requisite:** Chemistry in the Community or Chemistry and Ecology**Recommended:** The Physical World STRONGLY recommended.**Content:** In this course, students will apply scientific principles, concepts, and methodologies to the interrelationships of the natural world. Students will also identify and analyze environmental problems both natural and human-made, and evaluate the risks associated with these problems and examine alternative solutions for resolving and/or preventing them. This is a laboratory intense science course.**Fee: 100% of Advanced Placement exam fee**

Biological Science Courses

BIOLOGY SERIES: HUMAN BIOLOGY (E2020)

Grades: 10, 11, 12 **0.5 credit**

(Required for class of 2019 and beyond)

Pre-requisite: Physical Science or Accelerated Physical Science

Content: This course addresses the NGSS topics of interacting human systems, nutrient chemistry, genetics, evolution and natural selection. All body systems (including sexual reproduction) will be discussed with an emphasis on structure and function.

BIOLOGY SERIES: ECOLOGY (E2021)

Grades: 10, 11, 12 **0.5 credit**

(Required for class of 2019 and beyond)

Pre-requisite: Physical Science or Accelerated Physical Science

Content: This course addresses the NGSS topics of ecological interactions, resource identification and management and biodiversity. Activities include the building of a self-contained ecosystem (fish in a bottle), natural selection studies, and plant and soil testing. Ecology students will have the opportunity to serve as guides for the 5th grade Outdoor Environmental Education trips.

BIOLOGY SERIES: BOTANY (E2018)

Grades: 11, 12 **0.5 credit**

Pre-requisite: Ecology

Content: The biological themes of genetics, evolution, cells, and population dynamics will be taught from a plant perspective. Students will learn the evolution of plants, the importance of plants in our ecosystem, as well as the diversity of the plant kingdom. Students will be growing plants and investigating their properties in order to understand botany concepts.

BIOLOGY SERIES: ZOOLOGY (E2024)

Grades: 11, 12 **0.5 credit**

Pre-requisite: Human Biology

Content: The biological themes of genetics, evolution, cells, and population dynamics will be taught from an animal perspective. Students will explore animal diversity from primitive organisms through advanced vertebrates. Activities will include dissection and comparative studies.

ANATOMY AND PHYSIOLOGY (E3020)

Grades: 11, 12 **1.0 credit**

Pre-requisite: Biology Series: Human Biology

Co-requisite: General Chemistry or Chemistry in the Community

Content: This course covers the basics of human anatomy and physiology including anatomical terminology, basic biochemistry, cells and tissues, and the integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic/immune, respiratory, digestive, urinary, and reproductive systems. It will also introduce common human disease processes. Students should expect an extensive lab experience. This course is designed for students interested in an in-depth study of the human body.

INTRODUCTION TO FORENSIC SCIENCE (E2026)

Grades: 11, 12 **0.5 credit**

Pre-requisite: One credit of a physical science, one credit of biology (Anatomy and Physiology is encouraged)

Content: Students will learn the methodology needed to evaluate a crime scene, the proper lab mechanics needed to evaluate evidence, and how to compare between a known and an unknown. Students will learn how DNA, fingerprinting, blood typing, entomology, anthropology and other forensic tests can be used to solve a crime. This course is heavily reliant upon laboratory and research skills.

ADVANCED PLACEMENT BIOLOGY (E4020)

Grades: 11, 12 **1.5 credits**

Pre-requisites: 1 Biological Credit

Co-requisite: Chemistry in the Community or Chemistry

Content: This course is designed to cover topics generally taught in a college level Biology survey course. It will expose the student to historical and technical (lab) aspect as well as subject content in molecules and cells, heredity, evolution, zoology, botany, ecology, organisms, and populations.

Fee: 100% of Advanced Placement exam fee.

Social Studies Department

Social Studies Graduation Requirements

All students must have a minimum of 3 Social Studies credits in the following areas for graduation:

U.S. History (1 credit): Modern U.S. History (9th), Advanced Modern U.S. History (9th) or AP U.S. History (10th/11th/12th)

World History (1 credit): A total of 1 full credit of World History. Each student (10th) must select two (2) of the following four (4) term courses, or take A.P. World History (1.5 credits)

- World Cultures (1/2 credit)
- World Conflicts (1/2 credit)
- Great Civilizations (1/2 credit)
- Human Footprints (1/2 credit)

Government (1/2 credit): American Democracy (12th) or AP U.S. Government (12th)

Elective (1/2 credit): All students must have a ½ credit elective of your choice (10th – 12th)

	Grades Permitted to Enroll				Credit	Prerequisite (Co-requisite denoted "Co")
	9	10	11	12		
Modern U.S. History (D1050)	X				1	
Advanced Modern U.S. History (D1060)	X				1	
AP Human Geography (D6100)	X	X	X	X	1	
World History: Great Civilizations (D2011)		X			0.5	
World History: World Cultures (D2012)		X			0.5	
World History: World Conflicts (D2013)		X			0.5	
World History: Human Footprints (D2014)		X			0.5	
History of the Holocaust & Genocide (D2015)		X	X	X	0.5	
American Minorities (D2026)		X	X	X	0.5	
African-American Studies (D2028)		X	X	X	1.0	
Economics (D2038)		X	X	X	0.5	
Women's History/Issues (D2046)		X	X	X	0.5	
AP U.S. History (D2100)		X	X	X	1.5	
AP European History (D5100)		X	X	X	1	
AP World History (D4200)		X	X	X	1.5	
Criminal Law (D3010)			X	X	0.5	
Current Events (D3020)			X	X	0.5	
Sociology (D3040)			X	X	0.5	
Psychology (D3030)			X	X	0.5	
AP Psychology (D3100)			X	X	1	
American Democracy (D4010)				X	0.5	
AP U.S. Government (D4100)				X	1	

US HISTORY COURSES

MODERN U.S. HISTORY (D1050) 1.0 credit

Grade: 9

Content: This course is a study of United States history from World War I to the present. Emphasis is placed on relating the significance and importance of major events, movements, and leaders. This course is required for graduation.

ADVANCED U.S. HISTORY (D1060) 1.0 credit

Grade: 9

Content: Advanced U.S. History is a rigorous, fast paced and challenging course designed to prepare students for AP courses. Our focus of study will be World War 1 to modern day America. Students should possess strong reading and writing skills and be willing to devote substantial time to study and complete class reading assignments in school and at home. Emphasis placed on class discussion, the use of primary and secondary sources, critical reading, and analytical writing. This course fulfills U.S. History requirement for graduation.

AMERICAN MINORITIES (D2026) 0.5 credit

Grades: 10, 11, 12

Content: The course examines the important roles that minorities have played in the development of the United States. The class also focuses in on issues that minorities face today. The groups studied include: African Americans, Hispanic Americans, Native Americans and other protected groups.

AFRICAN-AMERICAN STUDIES: PRE-HISTORY - 1865 (D2028)

Grades: 10, 11, 12

0.5 credit

Content: This course provides a chronological study of the history and themes of African civilization and the African American experience in the United States. The class starts with an examination of early African geography, culture and civilization and ends with the study of Reconstruction in the United States. Special emphasis is placed on the contribution of African Americans in the building of the United States.

AFRICAN-AMERICAN STUDIES: 1865 - PRESENT (D2030)

Grades: 10, 11, 12

0.5 credit

Content: This course provides a chronological study of the history and themes of the African American experience in the United States from Reconstruction to the present. The course also examines significant issues that African Americans faced throughout the 20th century and issues that they still face today.

WOMEN'S HISTORY/ISSUES (D2046) 0.5 credit

Grades: 10, 11, 12

Content: This course is designed for students who have a strong interest in American women's history and issues facing women today. The history of American women will cover from colonization of America to present. Specific issues that will be examined include: abuse, anorexia/bulimia, sexism, double standard, and many more.

ADVANCED PLACEMENT U. S. HISTORY

(D2100)

1.5 credit

Grades: 10, 11, 12

Content: The first part of this course examines American History from the Colonial Era through the Civil War. This will include detailed units on the American Revolution, the French and Indian War, The Articles of Confederation and the Constitution, the beginning of the new government under Washington and Adams, the Jeffersonian Republic, the War of 1812, the Age of Jackson, the Slavery Controversy, Manifest Destiny, the Sectional struggles between the North and South, and the Civil War. The second part of this course include Reconstruction, the Gilded Age, The Great West and the Agricultural Revolution, Imperialistic American, the Progressive Era, World War I, the Roaring Twenties, The Great Depression and the New Deal, America in World War II, the Cold War, The Stormy Sixties, the Stalemated Seventies, The Resurgence of Conservatism in the Eighties, the Nineties to the Present. In May, the College Board offers examinations which will cover content from the AP U.S. History course. Students who perform well on the exam may earn college credit.

Fee: 100% of Advanced Placement exam fee.

AMERICAN DEMOCRACY (D4010) 0.5 credit
Grade: 12

Content: This course examines how the United States is governed at the local, state, and national levels. There is a special emphasis on the U.S. Constitution and how the three branches of government work. ***This course is required for graduation but students may substitute Advanced Placement Government.***

ADVANCED PLACEMENT U.S. GOVERNMENT (D4100) 1.0 credit
Grade: 12

Content: This course examines the nature of the American political system, its development over the past 200 years, and how it works today. In May, the College Board offers examinations for the AP classes. Students who perform well on the exam may earn college credit.

Fee: \$100% of Advanced Placement exam fee.

World History Courses

****NEW WORLD HISTORY REQUIREMENT****

All sophomores must select two (2) of the four (4) 0.5 credit *WORLD HISTORY classes for a total of one (1) World History credit.

***WORLD HISTORY: GREAT CIVILIZATIONS (D2011) 0.5 credit**
Grade: 10

Great civilizations is an inquiry based class that examines the characteristics of civilizations and studies those civilizations identified as some of the greatest of all time: Han, MesoAmerican (Aztec and Mayan), Gupta, Egypt, Rome and the British Empire to determine why they became great, what contributions they made to the modern world, and contributing factors to their decline. Students will compare and contrast the civilizations to each other as well highlight their contributions to the modern world.

***WORLD HISTORY: WORLD CULTURES (D2012) 0.5 credit**
Grade: 10

How is culture created and why is everyone so different? Uncover the answers in this explorative class. Students will study what makes up a culture and investigation different areas around the globe. From the aborigines in Australia to the cities of South Africa, this class will cover the world and the cultures that inhabit it.

***WORLD HISTORY: WORLD CONFLICTS (D2013) 0.5 credit**
Grade: 10

What is conflict, what are the different forms of conflict and where do we see it today? As the United States and the world becomes even more connected, student understanding of the background and current impact of events and conflicts throughout the world becomes increasingly important. This discussion based course will help students understand the greater world around them by examining the impact of social, international and modern day conflicts as well as the impact of imperialism and revolutions on people around the world. Through simulations, research and debate, students will see the necessity for skills in co-existence, negotiation, living with ambiguity and conflict resolution.

***WORLD HISTORY: HUMAN FOOTPRINTS (D2014) 0.5 credit**
Grade: 10

"Human Footprints" will explore the many ways mankind has made a lasting impact on the earth, and the ways in which people have tried to understand, examine, and map the world. We will study the effects of human migration, agriculture, industry, politics, culture and many other topics, in order to understand how humans have collectively contributed to the world we live in today. From hands-on activities to research based assignments, we will investigate topics from ancient history to present day. Learn how we, as people, have shaped the world we live in.

HISTORY OF THE HOLOCAUST AND GENOCIDE (D2015) 0.5 credit
Grade: 10, 11, 12

Content: As students you have been exposed to the Holocaust. Do we really understand how it was allowed to happen or why? Can genocide still exist today in the modern world? This course will examine anti-Semitism, the Nazis' rise to power and their escalating policies of intolerance and mass murder during WWII. We will also look at genocide from other eras and today's modern world.

ADVANCED PLACEMENT HUMAN GEOGRAPHY (D6100) 1.0 credit
Grades: 9, 10, 11, 12

Content: The purpose of the AP course in Human Geography is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice.

ADVANCED PLACEMENT EUROPEAN HISTORY (D5100) 1.0 credit
Grades: 10, 11, 12

Content: This class examines the political, economic, social religious and technological trends and key figures and events that formed modern Europe from the fourteenth century to the present. Students will learn the impact and importance of the late Medieval European trends, the Renaissance, the Reformation, building Absolute Monarchies, the Napoleonic Era, the Victorian Age, and modern Europe on our society today. Students will build critical thinking skills such as analysis, compare/contrast, synthesis, and evaluation by studying primary and secondary sources

ADVANCED PLACEMENT WORLD HISTORY (D4200) 1.5 credit
Grade: 10, 11, 12

Content: This course is designed to explore human history from 8000 B.C. E. to present by exploring six different chronological periods. Emphasis is placed on the development of analytical and writing skills necessary for success on a collegiate level. To this end, the course devotes considerable time to the critical evaluation of primary and secondary sources, analysis of historiography (the principles, theories or methodology of scholarly historical research and presentation) and inquiry into global connections that have shaped our present world.
Fee: 100% of Advanced Placement exam fee.

Social Science Courses

ECONOMICS (D2038) 0.5 credit
Grades: 10, 11, 12

Content: Economics is a complex and interesting subject involving consumers, businesses and the government as participants in an increasingly global marketplace. Students will learn and practice basic microeconomic and macroeconomic concepts.

CRIMINAL LAW (D3010) 0.5 credit
Grades: 11, 12

Content: Students will examine many aspects of criminal law including the causes of crime, victims, trial procedure, gangs, capital punishment, juvenile justice, and much more. Students will job shadow, visit a court house and police station, hear guest speakers, and hold mock trials.

CURRENT EVENTS (D3020) 0.5 credit
Grades: 11, 12

Content: This course examines what is happening in America and in the world today. Newspapers, magazines, and the internet are used to study the events and people that affect our life. This class will enable students to better understand the world. Students are required to participate actively in class discussions and debates.

SOCIOLOGY (D3040) 0.5 credit
Grades: 11, 12

Content: This class examines the way society is organized and how it functions. This class allows students to examine the groups and institutions that affect their lives.

PSYCHOLOGY (D3030) 0.5 credit
Grades: 11, 12

Content: This course is designed to help the individual to better understand herself/himself. It provides insight into how we learn and how psychologists do research. It covers the workings of the mind and body through studying the brain, perceptions, motivations and altered states of consciousness. Life span, personality theories, stress, breakdown and therapy will be discussed.

ADVANCED PLACEMENT PSYCHOLOGY (D3100) 1.0 credit
Grades 11, 12

Content: This course in Psychology will introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the methods psychologists use in their science and practice. In May, the College Board offers examinations for the AP classes. Students who perform well on the exam may earn college credit.

Technical Education Department

Industrial Technology Education at BMHS provides students with an opportunity to explore a variety of technology driven courses ranging from Automotive to Computer Aided Design. With this knowledge, students are provided with skills to select an area that is best suited to their interests and abilities for a career or post-secondary application.

Course Title	Grades Permitted to Enroll				Credit	Prerequisite (Co-requisite denoted "Co")
	9	10	11	12		
Robotics (H1000)	X	X	X	X	0.5	
Automotive Technology 1 (H0039)	X	X	X	X	0.5	
Automotive Technology 2 (H0040)	X	X	X	X	1	Automotive Technology 1 with a C or better.
Automotive Technology 3 (H0041)			X	X	2	Automotive Technology 2 with a B or better and/or have instructor approval.
IT Fundamentals (H4001)	X	X	X	X	1	
IT Network 1 (H4002)	X	X	X	X	1	IT Fundamentals
IT Network 2 (H4004)		X	X	X	1	IT Network 1
Construction 1 (H3005)	X	X	X	X	0.5	
Construction 2 (H3006)	X	X	X	X	1	Construction 1 with a C or better
Construction 3 (H3012)		X	X	X	2	Construction 2 with a C or better
Construction 4 Practicum (Student House Build) (H3021)			X	X	2 or 4	Construction 3 with a C or better
Skilled Tradesman Internship (H3024)			X	X	2 or 4	Construction 3 with a C or better
Cabinetry 1 (H3035)	X	X	X	X	0.5	
Cabinetry 2 (H3030)	X	X	X	X	1	Cabinetry 1 with a C or better
Cabinetry 3 (H3036)		X	X	X	1	Cabinetry 2 with a C or better
Machining & CNC Operation I (H3033)	X	X	X	X	1	Geometry
Machining & CNC Operation II (H3028)	X	X	X	X	1	Machining & CNC I with a C or better
Machining & CNC Operation III (H3040)		X	X	X	1	Machining & CNC II with a C or better
Welding I (H3032)	X	X	X	X	0.5	Algebra I
Welding II (H3031)	X	X	X	X	1	Welding I with a C or better
Welding III (H3034)		X	X	X	1	Welding II with a C or better
Welding/Machining Internship (H3023)			X	X	2 or 4	Machining & CNC II , Welding II, and Intro to Engineering Design If you are not meeting the prerequisite required you must have instructor approval.
PLTW: Principles of Engineering (POE)		X	X	X	1	IED, Geometry or Instructor approval
PLTW: Engineer Design & Development (EDD)			X	X	2	IED and POE, Geometry or Instructor approval

Introductory Technology Course

Robotics (H1000)

Grades: 9, 10, 11, 12

0.5 credit

COURSE LOCATION: HENDRICKS CENTER

Content: Exploring Technology is an innovative robotics program that equips students with the resources they need to build an underwater Remotely Operated Vehicle (ROV). Students build the ROV following a curriculum that provides students with the opportunity to learn about robotics, engineering, science, and mathematics (STEM). Throughout the hands-on project, students will learn engineering concepts, problem solving, teamwork, soft skills communication, technical applications and are exposed to exciting STEM careers. The Challenge fosters an end goal, rewards, sportsmanship, spirit, and presentation skills.

Automotive Technology Courses

AUTOMOTIVE TECHNOLOGY I (H0039)

Grades: 9, 10, 11, 12

0.5 credit

COURSE LOCATION: HENDRICKS CENTER

Recommended: Coveralls, Safety Glasses

Content: In this first-level class, students will be introduced to the fundamentals of the modern day automotive technical servicing including, careers, basic maintenance, cooling system service, vehicle electrical systems, routine and preventive maintenance and safe use of vehicle lifting and hoist mechanisms. Instruction is also given in S/P2 internet bases safety, tools/equipment use and using computer service information.

AUTOMOTIVE TECHNOLOGY II (H0040)

Grades: 9, 10, 11, 12

1.0 credit

Prerequisite: Recommended C or better in Automotive Technology I.

COURSE LOCATION: HENDRICKS CENTER

Recommended: Coveralls, Safety Glasses

Content: The course consists of a combination of classroom instruction, computer-based learning activities and hands-on lab work. Topics covered include careers, engines diagnostic and performance, brakes, cooling and electrical systems as well as advance maintenance.

AUTOMOTIVE TECHNOLOGY III (H0041)

Grades: 11, 12

2.0 credits

Full year, Two Semesters

Prerequisite: Recommended B or better in Automotive Technology II and/or have instructor approval.

COURSE LOCATION: HENDRICKS CENTER

Recommended: Coveralls, Safety Glasses

Content: The course consists of a combination of classroom instruction, computer-based learning activities and hands-on lab work. Successful completion of the three Autos courses will prepare a student for entry level as an automotive tech. Topics covered include careers, fuel and emission systems, advanced engine performance, transmissions, steering, suspension and alignment as well as heating and air conditioning.

Information Technology Courses

IT FUNDAMENTALS (H4001)

1.0 credit

Grades: 9,10,11,12

Content: The key audiences for this class are students who are not sure if they are interested in the information Technology field. The course emphasizes the practical application of skills and procedures needed for hardware and software installations, upgrades, and troubleshooting systems. Emphasis will be on both theory and hands-on activities. This class is an introduction class and so there are no prerequisites.

Students may be responsible for purchasing projects made in class.

IT NETWORK 1 (H4002)

1.0 credit

Grades: 9, 10, 11, 12

Prerequisite: IT Fundamentals

Content: IT Network 1 is designed for students with basic PC skills and foundational math and problem solving skills. Students are not expected to have knowledge of binary math and algorithms. Emphasis will be on both theory and hands-on activities. This class is a second level class, which will require students to have completed IT Fundamentals.

The curriculum consists of four courses:

- Networking for Home and Small Businesses
 - Working at a Small-to-Medium Business or ISP
 - Introducing routing and Switching in the Enterprise
 - Designing and supporting Computer Networks
- The courses are delivered sequentially, and each course is a prerequisite for the next course.
- Students may be responsible for purchasing projects made in class.**

IT NETWORK 2 (H4004)**1.0 credit****Grades: 10, 11, 12****Prerequisite:** IT Network 1 or Instructor Approval.

Content: IT Network 2 is designed for students with advanced problem solving and analytical skills, such as students pursuing degrees in engineering, information technology, math, or science. Students are expected to know binary math and understand the concept of algorithms. Emphasis will be on both theory and hands-on activities. This class is the Third Level class, which will require students to have completed IT Fundamentals and IT Network 1.

The major projects are:

- Network Fundamentals
- Routing Protocols and Concepts
- LAN Switching and Wireless
- Accessing the WAN

Students may be responsible for purchasing projects made in class.

Building Trades Courses

CONSTRUCTION 1 (H3005)**0.5 credit****Grades: 9, 10, 11, 12**

Content: This course is designed for students at the beginning of the pathway for the building trade's field. This term long course will introduce students to the basics in the building trade's field. Students in this course will accurately design blueprints and build to scale; a model home to industry standards. Key concepts students will learn in this course are: safety; using blueprints; basic residential framing for floors, walls, and roof; basic operation of power equipment used in the building trades industry. Students will be assessed on their ability to produce and complete accurate and high quality products related to the build trades field.

Students may be responsible for purchasing projects made in class.

CONSTRUCTION 2 (H3006)**1.0 credit****Grades: 9,10,11,12**

Prerequisite: Must pass Construction 1 with a C or better

Content: This course is designed for students in the middle of the pathway for the building trade's field. Students in this course will accurately design and build industry standard modules. Key concepts students will learn in this course are: safety, designing and using blueprints; basic residential electrical, framing for floors, walls, and roofs and on the safe operation of power equipment used in industry. Students will also learn the industry standards for Electrical, Insulation, Drywall, Hanging Windows and Doors, Installing Flooring (Tile and Laminate). Students will be assessed on their ability to produce and complete accurate and high quality products related to the building trade's field.

Students may be responsible for purchasing projects made in class.

CONSTRUCTION 3 (H3012)**2.0 credit****Grades: 10, 11, 12**

Prerequisite: Must pass Construction 2 with a C or better

Content: This course is designed for students who wish to enter into the final stages of the building trade's field courses. This year long course will have students learning and practicing expert level topics in the building trades. Students will accurately design blueprints and build full-scale modules to industry standards. Key concepts included: safety; designing and using blueprints; quoting and price estimating; residential construction techniques of floors, walls, and roofs and the use of power equipment used in the building trades industry. Students will also complete labs related to interior and exterior finishes, plumbing, HVAC, electrical, masonry and stairs, framing and roofing. Students will be assessed in their ability to produce and complete accurate and high quality products related to the building trades. **Students may be responsible for purchasing projects made in class.**

**CONSTRUCTION 4 PRACTICUM STUDENT
HOUSE BUILD (H3021) 2.0 - 4.0 credits
Grades: 11, 12**

Prerequisite: Construction 3. Those that do not meet this requirement must have instructor approval. This is a year long course that will require 2 blocks per day.

NOTE: Students will be supplied with a basic tool belt for the job site.

Content: This course is designed for students at the end of the pathway for the building trade's field. The Building Trades Practicum 355 course will be a year long course in which the students will actively be working with skilled tradesmen in building a full sized home in which will later be put on the real estate market and sold. Students in this course will learn and participate in building a home from start to finish. Students will get on the job training in many different aspects of residential construction. Students will be expected to display and produce high quality craftsmanship with satisfactory precision for retail sales and meet all residential building codes. Students will be assessed on their ability to produce and complete accurate and high quality products related to the building trade's field.

Students may be responsible for purchasing projects made in class.

**SKILLED TRADES INTERNSHIP (H3024)
Grades: 11, 12 2.0 – 4.0 credits**

Prerequisite: Construction 1, Construction 2, Construction 3, and Construction 4 Practicum

Content: The Skilled Tradesman Internship 350 course will be a yearlong course in which the students will actively seek employment working for an area business in the building trade's field. Students in this course will learn how to create a resume, apply for a job, and perform a job interview. After accepting a position, students will work side by side with professionals in the construction or cabinetry profession. Students will get on the job training in the position and eventually will be expected to produce high quality products with satisfactory precision for retail sales. Students will be assessed by their ability to be hired into an industry position and how well they perform their duties in the workplace on a daily basis for the year.

**CABINETRY 1 (H3035)
Grades: 9,10,11,12 0.5 credit**

Content: This course will be targeting students who are potentially interested in a career in the cabinetry and millwork field. Key curricular concepts in this course will be teaching students proper operation and safety in a cabinetry shop as well as basic cabinet creation techniques related to construction, joints, finishing, etc.

Students may be responsible for purchasing projects made in class.

**CABINETRY 2 (H3030)
Grades: 9, 10, 11, 12 1.0 credit**

Prerequisite: Cabinetry 1

Content: This course is designed for students in the second level or middle of the pathway for the building trade's field. This semester long course will have students learning and practicing basic to moderate level topics in the building trade's field. Students in this course will produce accurate blueprints and build full-scale cabinets and furniture to industry standards. Key concepts students will learn in this course are: safety, designing and using blueprints; quoting and price estimating; basic residential cabinetmaking; basic operation of power equipment used in the building trades industry; interior trim work; and advanced level mass production furniture construction techniques. Students will be assessed on their ability to produce and complete accurate and high quality products related to the building trade's field.

Students may be responsible for purchasing projects made in class.

**CABINETRY 3 (H3036) 1.0 credit
Grades: 10, 11, 12**

Prerequisite: Cabinetry 2

Content: Students will be able to choose a project of their choice and work independently, all while improving their craftsmanship/skills. Each student will be responsible for figuring out amount of wood to purchase and providing their own teacher approved blueprints. Students get to keep their final project when completed! Students must complete Cabinetry 1 and 2 before being allowed into this course, No Exceptions.

Students may be responsible for purchasing projects made in class.

Machining & Welding Courses

MACHINING & CNC Operations I (H3033)

Grades: 9, 10, 11, 12 **0.5 credit**

Prerequisite: Algebra 1

Content: This course is designed for students who are potentially interested in a career in the machining field. Key curricular concepts in this course will be teaching students basic machining operations and intro to metal working equipment to include; manual machining skills, speeds and feeds, precision and measurement, computer numerically controlled mills & lathes.

MACHINING & CNC OPERATIONS II (H3031)

Grades: 9, 10, 11, 12 **1.0 credit**

Prerequisite: Machining & CNC Operations I

Content: This course will be targeting students who are interested in and/or actively pursuing a career in the machining field. Key curricular concepts in this course will be teaching students advanced metal machining techniques using both manual and CNC equipment. Students will learn skills based on *NIMS standards. Projects in this course will be much intense than those of Basic Machining and will be relevant to situations they may/will encounter in a machining career.

***NATIONAL INSTITUTE FOR METALWORKING SKILLS**

MACHINING & CNC OPERATIONS III (H3040)

Grades: 10, 11, 12 **1.0 credit**

Prerequisite: Machining & CNC Operations II

Content: Students must pass Machining and CNC Operations II in order to join this course on account of the scope and sequence of the curriculum that is being taught. This course covers advanced methods in design, setup, and operation of CNC machining centers. Emphasis is on design, programming and production of complex parts. Upon completion, students should be able to demonstrate skills in design, programming, operations, and setup of CNC machining centers.

NATIONAL INSTITUTE FOR METALWORKING SKILLS Testing and Credentialing

WELDING I (H3032)

Grades: 9, 10, 11, 12

0.5 credit

Prerequisite: Algebra I

Content: This course will be targeting students who are potentially interested in the welding field. Key curricular concepts in this course will be teaching students basic welding processes (SMAW, GTAW, and GMAW), welding positions, basic joints, and technical drawings. This course will prepare students for Advanced Welding & Fabrication.

WELDING II (H3031)

Grades: 9, 10, 11, 12

1.0 credit

Pre-requisites: Welding 1

Content: This course will build on skills taught in welding 1. Content will include welding symbols and blueprints Gas Tungsten Arc Welding (GTAW or TIG), Gas Metal Arc Welding (GTAW or MIG) and Shielded Metal Arc Welding (SMAW) on aluminum, stainless steel and mild steel in all positions on a variety of weld joints. Additionally students will become proficient in the use of cutting and fabrication tools and equipment such as plasma, oxy-acetylene, iron worker, bending machines and hand tools. This course will prepare students for Welding 3 (Fabrication). Assessment will consist of written quizzes and tests and hands on weldments which will be evaluated continuously as part of their daily work.

WELDING III (H3034)

Grades: 10, 11, 12

1.0 credit

Prerequisites: Welding II

Content: This course will be targeting students who want to further their knowledge in welding and/or are actively pursuing a career in the welding field. Key curricular concepts in this course will be teaching students welding processes and advanced welding positions and joints. Projects in this course are much larger than those in Welding II and will be relevant to situations they may/will encounter in the welding career. **Students will design and build their own independent project, which they will need to pay for.**

WELDING/MACHINING INTERNSHIP (H3023)**Grades: 11, 12** **2.0 or 4.0 credits****Prerequisite:** Introduction to Engineering Design and Machining 2/Welding 2**Content:** Seniors work an average of 15 hours per week in the Welding / Machining field while earning at least the minimum wage and must remain in the program one full school year. Students may be released during the school day or work after school. Supervision and evaluation is a shared responsibility of the instructor and the employer. Recommendation by the instructor is required and acceptance into the program is through an interview process by the employee.**Students may be responsible for purchasing projects made in class.****PLTW: ENGINEERING DESIGN & DEVELOPMENT (EDD) (H3019)****Grades: 11, 12** **2.0 credit****Prerequisite:** Introduction to Engineering Design,**Content:** Engineering Design and Development (EDD) is the capstone course in the PLTW high school engineering program. It is an engineering research course in which students work in teams to design and develop an original solution to a valid open-ended technical problem by applying the engineering design process. The course applies and concurrently develops secondary level knowledge and skills in mathematics, science, and technology.**Students may be responsible for purchasing projects made in class.**

Project Lead the Way Courses

PLTW: INTRODUCTION TO ENGINEERING DESIGN (IED) (H1011)**Grades: 9, 10, 11, 12** **1.0 credit****Prerequisite:** Geometry**Content:** This course teaches problem-solving skills using a design development process. Models of product solutions are created analyzed and communicated using solid modeling computer design software. Along the way, students will learn basic drafting and Computer Aided Drafting (CAD) skills.**Students may be responsible for purchasing projects made in class.****PLTW: PRINCIPALS OF ENGINEERING (POE) (H1013)****Grades: 9, 10, 11, 12** **1.0 credit****Prerequisite:** Geometry**Content:** This course helps students understand the field of engineering/engineering technology. Students will explore various technology systems and manufacturing processes to learn how engineers and technicians use math, science, and technology in an engineering problem solving process to benefit people. Through hands-on experience students will develop a strong foundation of the analysis, problem solving, design, and modeling skills used by engineers and those in related professions.**Students may be responsible for purchasing projects made in class.**

World Languages Department

World Language study is a vital portion of a student's high school career. Some colleges require that applicants for admission have completed at least two credits of the same world language. Three credits are strongly recommended. Beloit Memorial High School currently offers two world languages: Spanish and French. **Students will be asked to donate money to try cultural foods in some classes of French and Spanish.**

	Grades Permitted to Enroll				Credit	Prerequisite (Co-requisite denoted "Co")
	9	10	11	12		
French 1 (K1010)	X	X	X	X	1	
French 2 (K1012)	X	X	X	X	1	Recommended C or better in French 1
French 3 (K1014)		X	X	X	1	Recommended C or better in French 2
French 4 (K1016)		X	X	X	1	Recommended C or better in French 3
AP French 5 (K1018)			X	X	1	Recommended C or better in French 4
Spanish 1 (K1040)	X	X	X	X	1	
Spanish 2 (K1042)	X	X	X	X	1	Recommended C or better in Spanish 1
Spanish 3 (K1046)		X	X	X	1	Recommended C or better in Spanish 2
Spanish 4 (K1050)		X	X	X	1	Recommended C or better in Spanish 3
AP Spanish 5 (K1052)			X	X	1	Recommended C or better in Spanish 4 or Spanish for Spanish Speakers 3
Spanish for Spanish Speakers 1 (K1041)		X	X	X	1	Speaks Spanish consistently at home as first language
Spanish for Spanish Speakers 2 (K1043)		X	X	X	1	Recommended C or better in Spanish Speakers 1
Spanish for Spanish Speakers 3 (K1044)			X	X	1	Recommended C or better in Spanish Speakers 2
AP World Language Refresher (K1053)			X	X	0	French 2 or Spanish 2, or Spanish for Spanish Speakers 1

Course Sequences

French	Spanish	Spanish for Spanish Speakers (SSS)
1	1	1
2	2	2
3	3	3
4	4	
AP French 5	AP Spanish 5	AP Spanish 5

French Language Courses

FRENCH 1 (K1010) 1.0 credit

Grades: 9, 10, 11, 12

Content: This course stresses listening, speaking, reading and writing skills. Along with repetition and other speaking exercises with partners, original written dialogues and peer presentations are also required. Emphasis is on vocabulary and basic sentence structure. In addition, students will learn about France (particularly Paris) and French-speaking countries, their people and cultures. Daily use of technology is integrated for formative assessment.

FRENCH 2 (K1012) 1.0 credit

Grades: 9, 10, 11, 12

Prerequisite: Recommended C or better in French 1

Content: This course continues the work of French 1 with an increasing emphasis on writing and speaking. Students will be expected to maintain a separate journal in the target language and present dialogues periodically. Course content includes supplemental vocabulary to level 1 knowledge base and an extensive study of the household, foods, regular & irregular verb usage, both present and preterite tenses. An introduction to French music is also used to strengthen listening comprehension and phonetic skills. Daily use of technology is integrated for formative assessment.

FRENCH 3 (K1014) 1.0 credit

Grades: 10, 11, 12

Prerequisite: Recommended C or better in French 2

Content: This is considered the beginning of advanced study and the teacher will conduct the course mostly in French. The four basic language skills continue to be developed with a strong emphasis on comparing the past and imperfect verb tenses. Vocabulary content includes study of personal hygiene, beliefs and clothing. Future and conditional tenses are introduced. Communication in French is expected and will count in daily participation points. Popular French music will be used as a regular medium for dictation and mastery of phonetic skills. Additional activities include reading short stories, journal writing, speaking participation in class and with voice-recording technology. Partner work, original dialogues and presentations continue to be a part of the curriculum. French film is introduced. Daily use of technology is integrated for formative assessment.

FRENCH 4 (K1016)

1.0 credit

Grades: 10, 11, 12

Prerequisite: Recommended C or better in French 3

Content: This is a continuation of advanced study and the teacher will conduct the course almost entirely in French. Students will be expected to communicate in French as much as possible and it will be a critical component in grading. This course deals in greater depth with grammatical concepts, adding the conditional, pluperfect and subjunctive tenses. Expect continued practice in speaking and writing including weekly journals, current event presentation and dictation to music and popular literature. In addition to reading various short story selections, students will compose their own folklore tales. A murder mystery is also used. Students will research French speaking African countries and have the opportunity to view some classic French films. Daily use of technology is integrated for formative assessment.

ADVANCED PLACEMENT FRENCH 5 (K1018)

Grades: 11, 12

1.0 credit

Prerequisite: Recommended C or better in French 4

Content: This is the most advanced course offered and has been modified to meet the standards for the new language and cultures AP Exam. It deals with advanced grammatical concepts and requires an intensive review of all the major verb tenses. The class is conducted entirely in French and students will be expected to participate in the target language only. Students will have the opportunity to study French novels, short stories, theater, poetry and art. Course content includes units on the French education and political systems. Students will have the opportunity to explore French media and analyze several classic French films. Current events, cultural projects, and weekly journals are maintained as an integral part of the curriculum. It is a must for students who intend to continue language study at the college level. Advanced placement exams are optional. Daily use of technology is integrated for formative assessment.

In May the College Board offers examinations for the AP classes. Students who perform well on the exam may earn college credits. There may be a fee for the AP exam.

Spanish Language Courses

SPANISH 1 (K1040) **1.0 credit**

Grades: 9, 10, 11, 12

Content: Students will be actively involved in a variety of listening, speaking, reading, and writing exercises in Spanish. Activities are designed based on national standards that students will learn about communication in Spanish, cultures that use Spanish, connections to other disciplines, comparisons with their own experiences, and how the target language relates to our community. Activities include pronunciation and memorization of vocabulary, speaking practice, application and manipulation of grammatical principals, listening activities, video prompts, cultural research and readings, excerpts of films, projects and presentations involving technology, and quizzes and summative tests. Students are assessed on their accuracy and fluency using basic language skills.

SPANISH 2 (K1042) **1.0 credit**

Grades: 9, 10, 11, 12

Prerequisite: Recommended C or better in Spanish 1

Content: Students are expected to participate in class daily by speaking, reading, writing, and listening in Spanish. Instruction will be more than 50% in Spanish and aligned with national standards mentioned in the level 1 description. Students will study culture and geography of several Hispanic countries. Listening, speaking, reading, writing projects and performances will involve students communicating about events in the past on a variety of topics and situations. (Students are assessed on their accuracy and fluency using developing language skills.)

SPANISH 3 (K1046) **1.0 credit**

Grades: 10, 11, 12

Prerequisite: Recommended C or better in Spanish 2

Content: This intermediate class encourages students to use Spanish as much as possible since the class is conducted 75% in Spanish. This course is aligned with the national standards listed in the description of level 1. This course focuses on improving students' fluency in communication through extensive grammar study including the mastery of more than 3 verb tenses. Students will read short stories and short novels, view foreign films, and study the geography of Spanish speaking countries. Technology-based research projects and presentations are required. Students will be expected to participate in spontaneous conversation in logical, culturally appropriate manners. (Students are assessed on their accuracy and fluency using intermediate language skills.)

SPANISH 4 (K1050)

1.0 credit

Grades: 10, 11, 12

Prerequisite: Recommended C or better in Spanish 3

Content: This advanced class is conducted mainly in Spanish as the students are actively involved in a variety of activities and exercises in reading, writing, listening and speaking activities based on national standards. Students review and expand their knowledge of basic grammatical structures by studying cultures, excerpts of classic literature, social history, and foreign films. Students learn study strategies, note taking skills and content that will help them be successful in college level Spanish coursework or in study abroad. (Students are assessed on their accuracy and fluency using advanced language skills.)

ADVANCED PLACEMENT SPANISH 5 (K1052)

Grade: 11, 12 **1.0 credit**

Prerequisite: Recommended C or better in Spanish 4

Content: This advanced class is conducted like a third semester college level course. Activities are designed based on national standards. Material is presented in Spanish and students are actively involved in practicing to read, write, listen, and speak with high levels of accuracy and fluency. Mastery of the indicative, imperative, and subjunctive moods is stressed, along with a comprehensive grammatical review and detailed study of cultural and historical events. Students learn new vocabulary and expressions through the reading of short stories and a play. Students are expected to participate in discussions about current events in Spanish. Students use technology for practice, projects, and other performance tasks. (Students are assessed on their accuracy and fluency using advanced language skills.)

In May the College Board offers examinations for the AP classes. Students who perform well on the exam may earn college credits. There may be a fee for the AP exam.

AP WORLD LANGUAGE REFRESHER (K1053)

Grade: 10, 11, 12 **0 credit**

Prerequisite: French 2, Spanish 2, SSSP1

Content: The AP Language Refresher is an opportunity for students to practice their speaking and listening skills. Culture and current events will also be studied. This is especially helpful to students in AP World Language classes.

First Language Spanish Courses

SPANISH FOR SPANISH SPEAKERS 1 “SSS1” (ESPANOL PARA HISPANOHABLANTES 1) (K1041)

Grade: 10, 11, 12

1.0 credit

Content: This course is for students who speak Spanish as a first language. In this course students will be required to read literature and complete writing tasks daily. By taking this course, students will improve in spelling, their vocabulary will increase, and they will increase their proficiency in writing and in reading. Students will focus on interpreting information and they will produce original written works to keep in a personal portfolio.

(Esta clase (SSS1) es para los estudiantes quienes hablan español como lengua materna. En este curso se requiere que los estudiantes lean literatura y escriban diariamente. Al tomar esta clase, los estudiantes se mejorarán sus habilidades de deletrear, su vocabulario se aumentará, y se cultivará su competencia de escribir y leer. Los estudiantes se enfocarán en interpretar la información leída para escribir obras originales que se guardarán en una carpeta de trabajos personales.

SPANISH FOR SPANISH SPEAKERS 2 “SSS2” (ESPANOL PARA HISPANOHABLANTES 2) (K1043)

Grade: 10, 11, 12

1.0 credit

Prerequisite: Recommended C or better in Spanish Speakers 1

Content: In this intermediate level 2 course, students will enhance their literacy skills and perfect their abilities to write with correct grammar and spelling for expository, persuasive, narrative, creative, and descriptive works in Spanish. Students will read examples of each type of piece then incorporate their understanding of the correct structure and grammar of the Spanish language during the writing process. Proficiency rubrics will determine the extent to which the student has command of the language and competence in the content and context of the requirements of the written tasks.

(La clase de español para hispanohablantes 2 (SSS2) es un curso para los estudiantes que hablan español como lengua materna y para los quienes han aprobado la clase de Español para hispanohablantes 1. En este curso intermedio, los estudiantes aumentarán su competencia de lectoescritura y perfeccionarán las habilidades de escribir con gramática y ortografía correcta en formas de prosa explicativa, persuasiva, narrativa,

creativa y descriptiva. Los estudiantes leerán unos ejemplos de cada forma de prosa y poesía entonces incorporarán su entendimiento de la estructura y la gramática del lenguaje durante el proceso de escribir. Se utilizarán las rúbricas de competencia para evaluar el dominio del lenguaje escrito en el contexto de las tareas y los trabajos.)

SPANISH FOR SPANISH SPEAKERS 3 “SSS3” (ESPANOL PARA HISPANOHABLANTES 3) (K1044)

Grade: 10, 11, 12

1.0 credit

Prerequisite: Recommended C or better in Spanish Speakers 2

Content: Spanish for Spanish Speakers 3 (SSS3) is an advanced class for students who speak Spanish as a first language. In this class, students will further increase their abilities to interpret, analyze and critique various texts. They will learn to write formal essays and cite references in MLA format. In addition to short reading assignments, the class will read an entire novel in Spanish.

After taking this course, the student will be ready to take AP Spanish 5.

(La clase de Español para hispanohablantes 3 (SSS3) es un curso avanzado para los estudiantes que hablan español como lengua materna y para los quienes han aprobado la clase de SSS2. En este curso, los estudiantes aumentarán aún más, sus habilidades de interpretar, analizar, y criticar textos diferentes. Se aprenderán a formar ensayos formales y citar referencias en forma MLA. Además de lecturas breves, la clase leerá y analizará una novela entera. **Después de tomar esta clase, el/la estudiante estará listo para tomar AP Spanish 5.**

ELL LAB (B1140)

Grade: 9, 10, 11, 12

0.5 credit

Prerequisite: Placement by ELL Staff

Content: ELL Lab is a support class for English Language Learners. Placement is made by ELL staff.

BMHS Four Year Planning Guide

As you prepare to register for courses for this next year, you should review your past and future goals. How do classes you have taken or will take next year "fit" your plans? Please use this sheet as a planning guide. If you need further assistance, please feel free to contact your school counselor.

Subject	BMHS Requirements	Subject	University of Wisconsin System Requirements
ENGLISH	<u>4 CREDITS Including:</u> English 9 or Acc English 9 English 10 or Acc English 10 English 11 or Acc English 11 or Afric Amer Lit English 12 or Womens Writers Blackhawk Communications (Senior English) AP Literature & Comp English Elective	ENGLISH	For most University of Wisconsin Schools: *Rank in the Top 30-50% of Class *Successful Completion of the Following Subjects: 4 CREDITS
SOCIAL STUDIES	<u>3 CREDITS Including:</u> US History or Advanced US History World History (Must Select 2 of the Following) * Great Civilization *World Cultures *World Conflicts *Human Footprints American Democracy Social Studies Elective	SOCIAL STUDIES	3-4 CREDITS
SCIENCE	<u>3 CREDITS Including:</u> Physical Science Biological Science (Ecology/Human Biology) Science Elective	SCIENCE	2-3 CREDITS
MATH	<u>3 CREDITS Including:</u> Algebra 1 Geometry Algebra 2 Math Elective	MATH	<u>3-4 CREDITS Including:</u> Algebra Geometry Algebra 2
PHYSICAL EDUCATION	<u>1.5 CREDITS Including:</u> PE 9 or General PE 2 PE Electives	WORLD LANGUAGES	Recommended: 2 Years of a single World Language. Please verify - the entrance requirements could range anywhere from 0-4 years.
HEALTH	<u>.5 CREDITS</u> Health	ELECTIVES	<u>7 Credits or More:</u> Students completing rigorous courses including senior year, will be stronger candidates for admission
PERSONAL FINANCE	<u>.5 CREDITS</u> Personal Finance	TOTAL CREDITS	22+ CREDITS
ELECTIVES	<u>10.5 Credits</u>		
TOTAL CREDITS	26 CREDITS		

Graduation Requirements & Planning Guide

EARLY GRADUATION

Students who completed all graduation requirements for Beloit Memorial High School may apply for early graduation. Per School District of Beloit Board Policy students must complete 7 semesters of high school. A student who is considering early graduation must meet the following requirements:

- Must meet all credit and course requirements for graduation.
- Must complete an Early Completion Request Form before the start of your senior year.
- Must submit a written rationale and second semester plan along with the Early Completion Request Form. This rationale or plan should demonstrate college and/or career readiness.
- Must submit a parent written rationale and second semester plan along with the Early Completion Request Form.

All early graduates will be included in senior activities.

GUIDELINES FOR DROPPING COURSES

The following guidelines are to be strictly followed when considering/processing a course drop once a class has begun:

1. As stated on the front, a meeting must occur with a teacher, student, parent, counselor and administration before the course can be dropped.
2. The student must have failed the first term of the two term class.
3. There must be a class with an available seat for the student to be placed in that block.
4. Students are not to drop courses to become an office worker or teacher assistant.

If the participants at the meeting can agree that the drop is necessary due to the skill level of the class being too difficult and the necessary criteria is met, then the drop can proceed. However, if the reasons for the drop center on **lack of motivation, poor attendance or personal conflict**, then the drop should be **denied** because the student has it within his/her power to achieve a better outcome in the course. When a drop is denied, the participants at the meeting should decide and formalize a workable strategy for student success.

Prioritizing Drops

Before any drops can be considered, the students who have incomplete schedules must have their schedules filled first.

Seniors who need to drop a class in order to make room for a required course should be considered first. Juniors trying to meet requirements should be considered second, then sophomores, then freshmen.

Grading Policy

- Up to 5 days into the term:
Courses dropped with no penalty.
- Drops **prior** to mid-term grade:
W on transcript
- Drops **after** mid-term grade:
F(unless IEP driven) on transcript
- Moving out of the district:
W on transcript unless it is late enough in the term to award credit.
- Transferring to alternative programs:
W or F on transcript depending on time of change unless late enough to award credit.

BMHS Planning Information

Retaking a failed core course

Students are encouraged to maintain a passing grade in all courses. Students may only retake core courses during Knight School or during BMHS Summer School.

Odyssey is the School District of Beloit's online learning software. Please don't expect this to be easy. In fact, in many ways, online learning is more difficult than the normal classroom setting. It requires self-motivation.

Night School

Night school provide students with the opportunity to recover failed credits required for graduation. Students attend classes Monday-Thursday. Regular attendance is mandatory to complete the course. Students may register with their counselor.

Summer School

Beloit Memorial High School's summer school for high school students is aimed at helping students recover credits and gain achievement. Students may enroll in this six-week program for initial credits or to recover failed credits required for graduation. Regular attendance is mandatory to complete the course. Registration will be available in the spring.

National Honors Society

The National Honor Society (NHS) is the nation's premier organization established to recognize outstanding high school students. More than just an honor roll, NHS serves to recognize those students who have demonstrated excellence in the areas of scholarship, service, leadership, and character.

At BMHS, the first phase of selection is based on GPA. All juniors and seniors with a GPA of 3.5 or above will be sent an application in the fall. Those that return an application will be reviewed by the Faculty Council on the grounds of service, leadership, and character. The Faculty Council then votes on which students to select. Students that are selected are inducted into the chapter in November.

Testing and Assessment Information

The ACT, or American College Testing, is a standardized collegiate examination, similar to the Scholastic Aptitude Test (SAT). As of 2008, nearly all four-year colleges and universities in the United States accept the ACT, although every school factors the results into admission decisions differently.

The Wisconsin Department of Public Instruction has entered into a partnership with ACT®, Inc. to comprehensively assess Wisconsin high school students: (cost to all juniors first time is free).

- 9th grade students will take the ACT Aspire™ Early High School assessment in the Fall and Spring.
- 10th grade students will take the ACT Aspire™ Early High School assessment in Spring.
- 11th grade students will take The ACT® Plus Writing and the ACT® WorkKeys® Assessment System in the Spring.

ACT Aspire™ Early High School - ACT Aspire assesses student readiness in English, math, reading, science, and writing. ACT Aspire is an online assessment in Wisconsin except for students who require accommodations through Braille, Large Print or American Sign Language who will take ACT Aspire in a paper and pencil format.

The ACT® Plus Writing - The ACT Plus Writing consists of four multiple-choice tests: English, Mathematics, Reading, and Science; and a 30-minute essay test that measures writing skills.

(DPI: <http://oea.dpi.wi.gov/assessment/ACT>)

Students wanting to take an additional ACT can sign up with their counselor.

The SAT and PSAT Testing Information

The SAT

The Scholastic Aptitude Test (SAT) is offered at Beloit Memorial High School two times a year. Check with your counselor to determine when the SAT testing will occur.

The PSAT

The Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT) is a program co-sponsored by the College Board and National Merit Scholarship Corporation (NMSC). It's a standardized test that provides firsthand practice for the SAT®. It also gives you a chance to enter NMSC scholarship programs and gain access to college and career planning tools.

College Credit Options & Additional Programming

ADVANCEMENT PLACEMENT COURSES

WHAT IS ADVANCED PLACEMENT?

The purpose of Advanced Placement (AP) courses are twofold: (1) to provide students with a learning experience equivalent to that of an introductory college course, and (2) to allow students to earn college credits while still in high school. AP courses will require students to complete extensive reading, to effectively write academic papers, and to actively participate in course discussions.

BENEFITS OF AP

Students will receive credit, advanced placement or both at most colleges and universities. The amount of credit received varies on the college, AP score, and the subject. Some colleges grant up to six college credits for a score of 5 on the AP exam. Students are also able to move into a higher level class at colleges as a freshman. This not only translates into time saved, but also a financial savings for each credit earned while in high school. It is possible for a student to take enough AP exams to enter college at a sophomore standing.

COST OF AP EXAMS

Students have to pay for each exam taken. The cost is approximately \$91 per exam.

ADVANCED PLACEMENT (AP) COURSES

ARTS

- AP Art History
- AP Music Theory
- AP Studio Art: 2-D Design
- AP Studio Art: 3-D Design
- AP Studio Art: Drawing

ENGLISH

- AP English Language and Composition
- AP English Literature and Composition

HISTORY & SOCIAL SCIENCE

- AP European History
- AP Human Geography
- AP Psychology
- AP United States Government and Politics
- AP United States History
- AP World History

MATH & COMPUTER SCIENCE

- AP Calculus AB
- AP Calculus BC
- AP Statistics

SCIENCES

- AP Biology
- AP Chemistry
- AP Environmental Science
- AP Physics 1
- AP Physics 2

WORLD LANGUAGES & CULTURES

- AP French Language and Culture
- AP Spanish Language and Culture

PORTER SCHOLAR INFORMATION

The Porter Scholar Program is a cooperative effort between Beloit College and Beloit Memorial High School designed to give high school seniors release time during the school day to attend one class at Beloit College. A Porter Scholar must be in the top 10% of the junior class to be eligible to take tuition free course work at Beloit College. Interested students must fill out an admission application for Beloit College and return it to their high school counselor by the middle of April. Students will be notified of acceptance into the program by June. For more information, contact the School Counseling Office at Beloit Memorial High School. Even if you're applying for the Porter Scholar Program, you still need to select a full schedule. **THIS PROGRAM IS OPEN TO SENIORS ONLY.**

YOUTH OPTIONS PROGRAM

The Youth Options Program allows students to take post-secondary courses at a UW Campus, a Wisconsin technical college, or a participating state private college. Courses chosen in this program are those NOT offered by the local high school. The school board pays tuition if the course is taken for high school credit. It is possible to receive both high school and college credit for courses successfully completed. A completed application is due to your counselor and must be turned in before the enrollment deadline. The spring deadline date is March 1 for classes taken 1st semester and the fall deadline date is October 1 for classes taken 2nd semester. The student must provide their own transportation if courses are taught off the BMHS campus. The student will be required to reimburse the school district for tuition and fees if the student drops or fails the course. Please see your school counselor for a brochure, application or more information.

WISCONSIN YOUTH APPRENTICESHIP PROGRAM

The curricula define specific competencies students must master through combined classroom and work-based instruction. Requirements for one and two year programs will vary. Students will be awarded a Certificate of Occupational Proficiency by the Department of Workforce Development (DWD) when they successfully complete their high school diploma requirements and achieve the specific competencies required. Students will be eligible for advanced standing credits at Blackhawk Technical College, other Wisconsin technical colleges, and state colleges. The Certified Nursing Assistant (CNA) courses are a part of this program.

SCHOOL TO WORK PROGRAM

The opportunity to experience hands on education while still in high school can be valuable. The school to work program allows students to work in a career field before making their post-high school

decisions. Upon graduation, students are recognized with a certificate of completion of entry-level skills. The employer knows individuals are coming to them to pursue a career and not just a paycheck.

PROJECT LEAD THE WAY

Project Lead the Way (PLTW) is a pre-engineering program consisting of a series of courses that will provide students with a solid foundation of engineering related skills and knowledge. This will allow them to enter post-secondary engineering and related programs with advanced standing and, in some cases, transcribed college credits. During the 2015 – 2016 school year, PLTW course offerings include; Intro to Engineering Design, Principles of Engineering, and Digital Electronics. All courses will be offered through the Industrial Technology Education Department.

COLLEGE CREDITS

Courses listed below are advanced or transcribed credit courses taken during high school at BMHS. You will receive college credit after graduation if you enroll in the college within 27 months of graduation.

MICROSOFT OFFICE CERTIFICATION



- **MICROSOFT OFFICE SPECIALISTS (MOS)**

BLACKHAWK TECHNICAL COLLEGE



- Medical Terminology
- Introduction to Corrections
- Principles of Emergency Services
- Business Foundations
- Business Management
- Child Development
- Early Childhood Education 1
- Early Childhood Education 2
- Early Childhood Education 3
- Health Careers and Occupations
- Hospitality Services 2
- Blackhawk Communication
- Foundations of Early Childhood Education
- Automotive
- Math for Technical Careers



UW ROCK COUNTY COLLEGE

- Introduction to Public Speaking



GATEWAY TECHNICAL COLLEGE

- Automotive

Enrollment in Courses Categorized Above Grade Level

Courses in the course selection book are listed at appropriate grade level as determined by each department. Courses are listed by grade level to facilitate the greatest opportunity for student academic success. To establish the grade level, prior knowledge and developmental readiness for course topics are taken into account.

However, there are situation which warrant consideration for a student to request enrollment in a course above their grade level. As long as a student meets any curricular prerequisites, they may petition for enrollment by completing the following steps.

1. Indicate the intended course on the course selection sheet by course name and number.
2. Complete the petition for enrollment available from the student's counselor.
3. Return the completed form to your counselor by the deadline listed on the petition form.
4. Attend a meeting with your parent or guardian which will include the appropriate department chair, counselor and instructor (if known) to determine the status of enrollment. This meeting will be organized and convened by the counselor.

If should be noted that even if enrollment is granted, the request will be filled only if seats are available. Courses are first filled by seniors, then juniors, sophomores, and freshmen.

Petition for Enrollment in Course above Grade Level

Student: _____

Parent/Guardian: _____

Address: _____ Phone: _____

Course Requested: _____ Course Number: _____

Please check one (1) of the following reasons for your request:

- ☐ Identified as Gifted & Talented by School District of Beloit in area of request.
- ☐ ACT scores indicate advanced prior knowledge in the area of request.
- ☐ Supported claim of high interest in this area.
(Support may be in the form of extensive prior experience or involvement.)
- ☐ Other (Please Specify): _____

Please explain your reasons for requesting enrollment in this course and indicate support as necessary.

*****PLEASE see your counselor for a copy of this form*****



Beloit Memorial High School

1225 Fourth Street
Beloit, Wisconsin 53511
(608) 361-3000
Carole Campbell, Principal
Ccampbel@sdb.k12.wi.us

Board of Education

Laurie Endres, President
Kris Klobucar, Vice President
Shelly Cronin, Treasurer
Wendy Sanchez, Clerk
Lisa Anderson-Levy, Member
Dennis Baskin, Member
Pam Charles, Member

Superintendent

Dr. Tom Johnson

The School District of Beloit complies with all federal, state and local laws prohibiting discrimination against students based on their membership in any protected class.

The School District of Beloit complies with all federal, state and local laws prohibiting discrimination in employment based on a person's membership in a protected class.

The mission of the School District of Beloit, committed to excellence and strengthened and enriched by diversity, is to prepare each student to compete, contribute and thrive as an admirable citizen in a rapidly changing world by engaging students in a wide variety of high quality, relevant programs in partnership with families, schools and the stateline community.

Kolak Education Center, The Roosevelt Building
1633 Keeler Avenue, Beloit, WI 53511
Office: (608) 361-4016
FAX: (608) 361-4122
District Web Site: www.sdb.k12.wi.us