Beloit Memorial High School

2016-2017

Career Planning & Course Guide

Dear BMHS Families,

It is my pleasure to welcome you to the 2016-2017 school year at Beloit Memorial High School.

We are excited to continue to offer an incredible scope of courses and programs to meet students' needs. BMHS remains committed to providing students with rigorous coursework that serves to advance students toward appropriate career pathways and career preparation. Students are able to choose from a strong, robust Advanced Placement program, which affords students challenging curricula along with other college level offerings like Project Lead the Way; additionally, our Response to Intervention (RTI) is hailed by the Department of Public Instruction as a model for Wisconsin schools and districts. Beloit Memorial has numerous opportunities to meet students where they are at and provide viable programming to meet their goals and aspirations for the future.

The Beloit Memorial's is also a state leader in the area of advanced career and technology offerings. Students are able to explore careers with significant workforce demands such as machining, building construction, manufacturing, and computer science through our REACH program. In tandem with the opportunities in the REACH program, students also have access to a Career Advocate who serves as a bridge between students' career exploration, business/industry demands, and course selections. Further enhancing students' learning opportunities are the variety of internships, co-ops, and apprenticeship opportunities.

Beyond the educational offerings, Beloit Memorial offers students a facility that is matched by few other schools in the state. The new Natatorium is open and has the capacity to meet our growing demand for both life safety swim instruction and the growing popularity of the swim program. In the spring of 2014, new tennis courts were completed with eight courts and seating for spectators, along with our amazing new fitness center.

The opportunities to explore interests are extensive and matched by very few high schools. We encourage you to devote time to thoughtful planning of your educational journey here at BMHS. Utilize the talents of our school counselors, teachers, administrators, and student services staff as you seek to make informed decisions about your future. Staff can provide insight and advice as you navigate the numerous choices that present themselves within this course selection-planning guide. Most importantly, have candid discussions with your parents about career interests and the variety of pathways to reach your goals.

I am very excited about the upcoming 2016-2017 school year and all it has to offer. I look forward to seeing you in the many, varied classes we have at Beloit Memorial High School.

Go Knights! We are Beloit Proud.

Dr. Tina Salzman

Principal

BELOIT MEMORIAL HIGH SCHOOL

MISSION STATEMENT

The Mission of Beloit Memorial High School, a high performing diverse learning community, is to prepare and empower each student to compete and achieve to one's potential in a changing global society by engaging students in challenging, diversified and relevant educational experiences.

How Do I Use This Book To Plan For My Future?

The Beloit Memorial High School Career Planning & Course Guide book is a tool to help you make plans for your future. If used correctly, this guide will help you find purpose and direction in selecting courses of study for each of your high school years. The first half of this book is devoted to 16 Career Clusters. Each Career Cluster is connected to a sequence of courses offered at BMHS that, if successfully completed, will prepare you for your goals beyond high school. The second half of the guide book contains detailed information about each course and general information about other opportunities offered at BMHS.

Step 1: Career Cluster Survey
Take the Career Cluster Interest Survey on pages 1-6 with your parents or guardians. When completed, look for the three boxes with the highest numbers, and enter the box number with the corresponding cluster name on the last sheet.

Step 2: Use Additional Resources
Use www.WICareerPathways.org and www.Careercruising.com to assist you with selecting the best Career Cluster and pathway for you.

Step 3: Career Pathway Choice and Program of Study
Review the appropriate Career Programs of Study in the guide book for the three identified Career Cluster Pathways and/or WISCareers results. Select one career pathway to begin your course focus.

Step 4: Four Year High School Plan
Read the course descriptions for the courses offered.

Complete the 4-Year High School Plan found at the back of the booklet. Check carefully for pre-requisite courses and necessary grade-level requirements. Please see your counselor if you have any questions.

Step 5: Course Registration
Discuss your choices with your parents/guardians and sign the bottom of the planning sheet. Make sure to list one 1-credit and one 0.5 credit course as alternates in case your first choices are not available.

Step 6: Changing Courses
When the master schedule is built, the number of students requesting particular courses determines if the course will be offered and if offered, the number of course sections. The School District of Beloit reserves the right to cancel any section of any course. If a considerable number of students request a change of schedule, the desired balance of sections and personnel is upset. Therefore, once schedules are finalized, students are permitted to make changes only when meeting one of the guidelines listed below:

- A change due to summer school attendance.
- A change due to a failure in the prerequisite for a requested course.
- A change due to unresolved scheduling conflict.
- A change related to health problems, including a written statement from the physician is required.
- A change made to correct a scheduling error made by the school staff.

ALL SCHEDULE CHANGES MUST BE COMPLETED 2 WEEKS PRIOR TO THE START OF SCHOOL!

Introduction to Inspire Rock County

Inspire Rock County

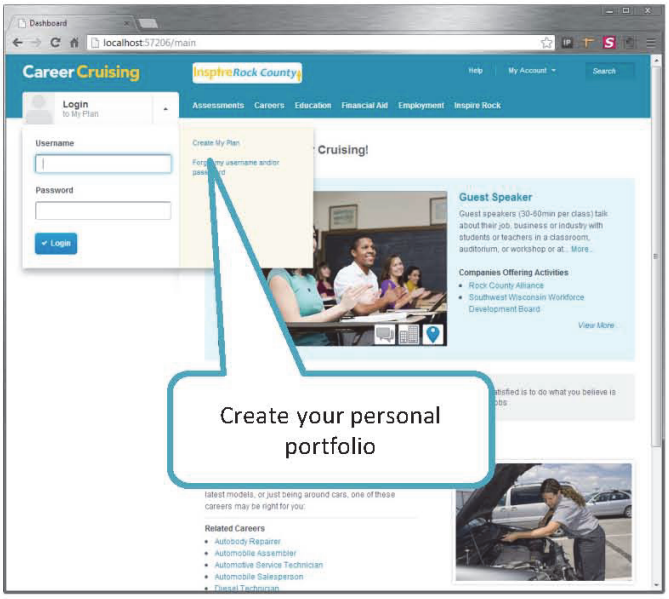
What is Career Cruising ? – It is a website that guides your exploration of careers and the world of work.

1 How do I start?

Using your web browser, go to www.careercruising.com and enter in your portfolio username and password. ***(Don't have a portfolio – goto step 2)***

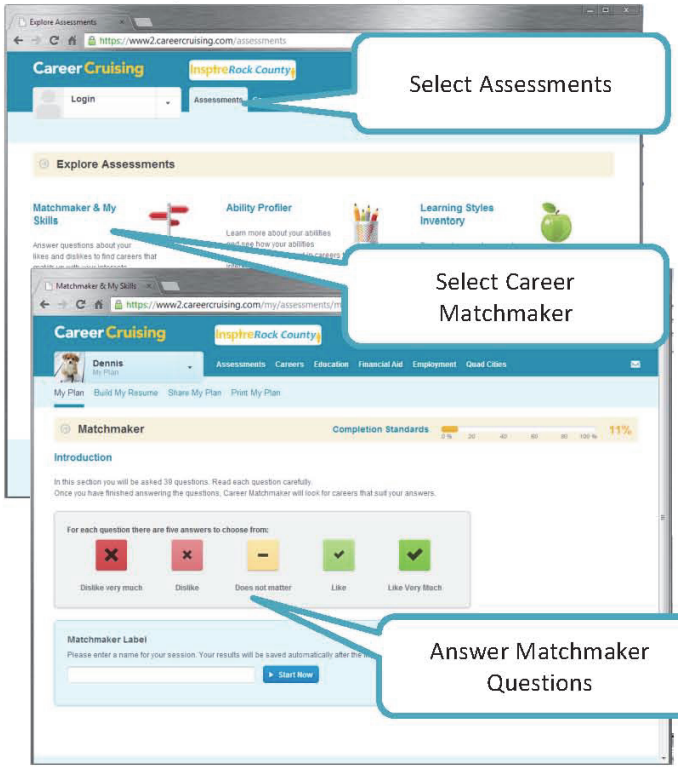
2 Create your personal portfolio

- Login with your schools username/password
- Create your portfolio



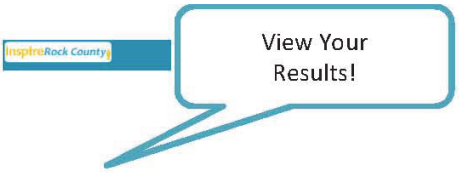
3 Take an interest assessment

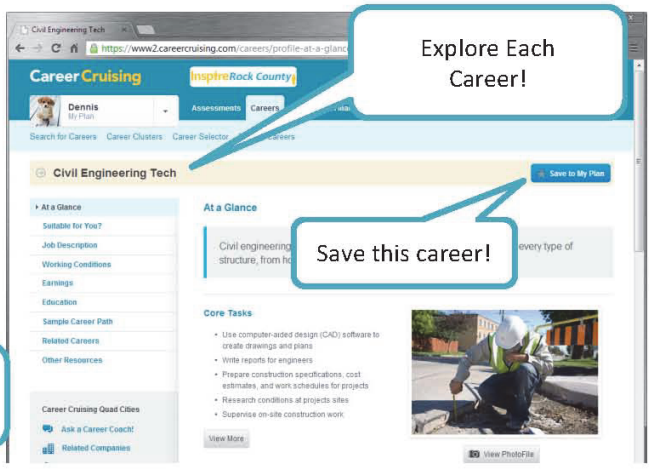
Answer questions based on your likes and dislikes



4 Explore your careers!

View careers that match your results.





Questions? Please contact your teacher/counselor.

Introduction to Inspire Rock County

Inspire Rock County

How do I start?

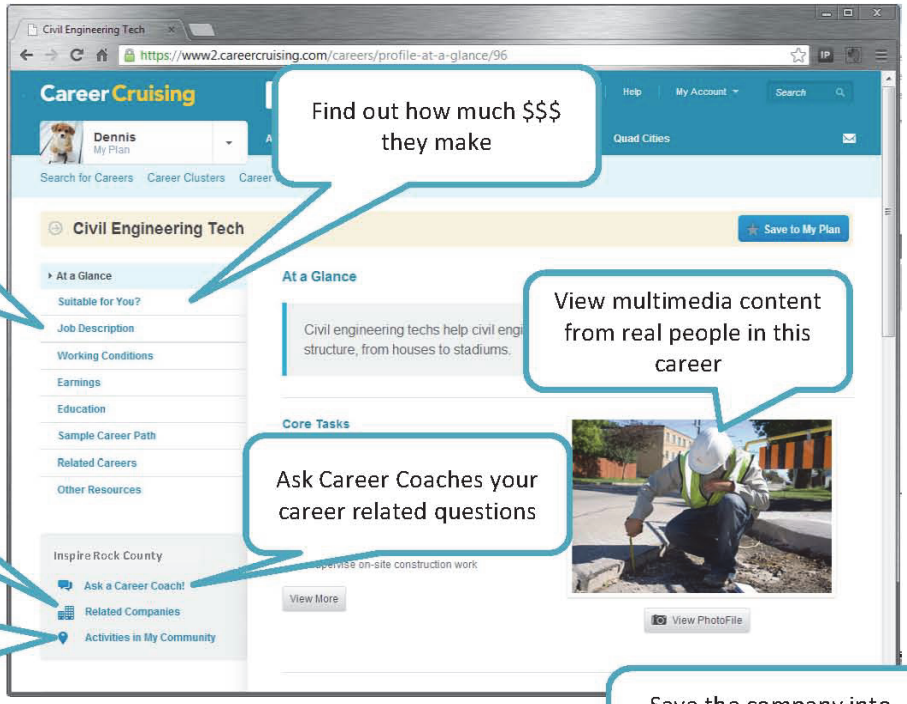
Search for a career or choose a career from your Career Matchmaker results! From there, you can look at related companies or get advice by asking a Career Coach your questions.

What are Work-based Learning Activities?

Work-based Learning Activities are programs like job shadowing, summer internships and career fairs that you can participate in offered by volunteers and companies in your area.

Viewing Your Career

Find out everything about a specific career.



Find out how much $$$ they make

What classes do I need to take to be a Civil Engineer Tech?

View multimedia content from real people in this career

View local companies that hire people in this career

Ask Career Coaches your career related questions

View Work-based Activities related to this career

Save the company into your portfolio and review anytime.

Viewing a Company

Find out everything about a specific company.

Learn what Work-based Activities you can participate in.

Learn more about this company

Ask a specific company question.

Find out what other careers this company hires.

Questions? Please contact your teacher/counselor.

CAREER PLANNING AND COURSE GUIDE

TABLE OF CONTENTS

CAREER CLUSTER INFORMATION

COURSE INFORMATION

Career Clusters Interest Survey

Name _____

School _____ **Date** _____

Directions: Circle the items in each box that best describe you. You may make as many or as few circles in each box as you choose. Add up the number of circles in each box. Look to see which three boxes have the highest numbers. Find the corresponding Career Clusters on the pages immediately following this survey to see which Career Clusters you may want to explore.

	Activities that describe what I like to do:	Personal qualities that describe me:	School subjects that I like:	Total number circled in Box 1
BOX 1	1. Learn how things grow and stay alive. 2. Make the best use of the earth's natural resources. 3. Hunt and/or fish. 4. Protect the environment. 5. Be outdoors in all kinds of weather. 6. Plan, budget, and keep records. 7. Operate machines and keep them in good repair.	1. Self-reliant 2. Nature lover 3. Physically active 4. Planner 5. Creative problem solver	1. Math 2. Life Sciences 3. Earth Sciences 4. Chemistry 5. Agriculture	

	Activities that describe what I like to do:	Personal qualities that describe me:	School subjects that I like:	Total number circled in Box 2
BOX 2	1. Read and follow blueprints and/or instructions. 2. Picture in my mind what a finished product looks like. 3. Work with my hands. 4. Perform work that requires precise results. 5. Solve technical problems. 6. Visit and learn from beautiful, historic, or interesting buildings. 7. Follow logical, step-by-step procedures.	1. Curious 2. Good at following directions 3. Pay attention to detail 4. Good at visualizing possibilities 5. Patient and persistent	1. Math 2. Drafting 3. Physical Sciences 4. Construction Trades 5. Electrical Trades/Heat, Air Conditioning and Refrigeration/ Technology Education	

	Activities that describe what I like to do:	Personal qualities that describe me:	School subjects that I like:	Total number circled in Box 3
BOX 3	1. Use my imagination to communicate new information to others. 2. Perform in front of others. 3. Read and write. 4. Play a musical instrument. 5. Perform creative, artistic activities. 6. Use video and recording technology. 7. Design brochures and posters.	1. Creative and imaginative 2. Good communicator/good vocabulary 3. Curious about new technology 4. Relate well to feelings and thoughts of others 5. Determined/tenacious	1. Art/Graphic design 2. Music 3. Speech and Drama 4. Journalism/Literature 5. Audiovisual Technologies	

Source: Adapted from the Guidance Division Survey, Oklahoma Department of Career and Technology Education (2005)

Note: *This survey does not make any claims of statistical reliability and has not been normed. It is intended for use as a guidance tool to generate discussion regarding careers and is valid for that purpose.*

BOX 4	Activities that describe what I like to do:	Personal qualities that describe me:	School subjects that I like:	Total number circled in Box 4
	1. Perform routine, organized activities but can be flexible. 2. Work with numbers and detailed information. 3. Be the leader in a group. 4. Make business contact with people. 5. Work with computer programs. 6. Create reports and communicate ideas. 7. Plan my work and follow instructions without close supervision.	1. Organized 2. Practical and logical 3. Patient 4. Tactful 5. Responsible	1. Computer Applications/Business and Information Technology 2. Accounting 3. Math 4. English 5. Economics	

BOX 5	Activities that describe what I like to do:	Personal qualities that describe me:	School subjects that I like:	Total number circled in Box 5
	1. Communicate with different types of people. 2. Help others with their homework or to learn new things. 3. Go to school. 4. Direct and plan activities for others. 5. Handle several responsibilities at once. 6. Acquire new information. 7. Help people overcome their challenges.	1. Friendly 2. Decision maker 3. Helpful 4. Innovative/Inquisitive 5. Good listener	1. Language Arts 2. Social Studies 3. Math 4. Science 5. Psychology	

BOX 6	Activities that describe what I like to do:	Personal qualities that describe me:	School subjects that I like:	Total number circled in Box 6
	1. Work with numbers. 2. Work to meet a deadline. 3. Make predictions based on existing facts. 4. Have a framework of rules by which to operate. 5. Analyze financial information and interpret it to others. 6. Handle money with accuracy and reliability. 7. Take pride in the way I dress and look.	1. Trustworthy 2. Orderly 3. Self-confident 4. Logical 5. Methodical or efficient	1. Accounting 2. Math 3. Economics 4. Banking/Financial Services 5. Business Law	

BOX 7	Activities that describe what I like to do:	Personal qualities that describe me:	School subjects that I like:	Total number circled in Box 7
	1. Be involved in politics. 2. Negotiate, defend, and debate ideas and topics. 3. Plan activities and work cooperatively with others. 4. Work with details. 5. Perform a variety of duties that may change often. 6. Analyze information and interpret it to others. 7. Travel and see things that are new to me.	1. Good communicator 2. Competitive 3. Service-minded 4. Well-organized 5. Problem solver	1. Government 2. Language Arts 3. History 4. Math 5. Foreign Language	

	Activities that describe what I like to do:	Personal qualities that describe me:	School subjects that I like:	Total number circled in Box 8
BOX 8	1. Work under pressure. 2. Help sick people and animals. 3. Make decisions based on logic and information. 4. Participate in health and science classes. 5. Respond quickly and calmly in emergencies. 6. Work as a member of a team. 7. Follow guidelines precisely and meet strict standards of accuracy.	1. Compassionate and caring 2. Good at following directions 3. Conscientious and careful 4. Patient 5. Good listener	1. Biological Sciences 2. Chemistry 3. Math 4. Occupational Health classes 5. Language Arts	
BOX 9	1. Investigate new places and activities. 2. Work with all ages and types of people. 3. Organize activities in which other people enjoy themselves. 4. Have a flexible schedule. 5. Help people make up their minds. 6. Communicate easily, tactfully, and courteously. 7. Learn about other cultures.	1. Tactful 2. Self-motivated 3. Works well with others 4. Outgoing 5. Slow to anger	1. Language Arts/Speech 2. Foreign Language 3. Social Sciences 4. Marketing 5. Food Services	
BOX 10	1. Care about people, their needs, and their problems. 2. Participate in community services and/or volunteering. 3. Listen to other people's viewpoints. 4. Help people be at their best. 5. Work with people from preschool age to old age. 6. Think of new ways to do things. 7. Make friends with different kinds of people.	1. Good communicator/good listener 2. Caring 3. Non-materialistic 4. Intuitive and logical 5. Non-judgmental	1. Language Arts 2. Psychology/ Sociology 3. Family and Consumer Sciences 4. Finance 5. Foreign Language	
BOX 11	1. Work with computers. 2. Reason clearly and logically to solve complex problems. 3. Use machines, techniques, and processes. 4. Read technical materials and diagrams and solve technical problems. 5. Adapt to change. 6. Play video games and figure out how they work. 7. Concentrate for long periods without being distracted.	1. Logical/analytical thinker 2. See details in the big picture 3. Persistent 4. Good concentration skills 5. Precise and accurate	1. Math 2. Science 3. Computer Tech/ Applications 4. Communications 5. Graphic Design	
BOX 12	1. Work under pressure or in the face of danger. 2. Make decisions based on my own observations. 3. Interact with other people. 4. Be in positions of authority. 5. Respect rules and regulations. 6. Debate and win arguments. 7. Observe and analyze people's behavior.	1. Adventurous 2. Dependable 3. Community-minded 4. Decisive 5. Optimistic	1. Language Arts 2. Psychology/Sociology 3. Government/History 4. Law Enforcement 5. First Aid/First Responder	

BOX 13	Activities that describe what I like to do:	Personal qualities that describe me:	School subjects that I like:	Total number circled in Box 13
	1. Work with my hands and learn that way. 2. Put things together. 3. Do routine, organized and accurate work. 4. Perform activities that produce tangible results. 5. Apply math to work out solutions. 6. Use hand and power tools and operate equipment/machinery. 7. Visualize objects in three dimensions from flat drawings.	1. Practical 2. Observant 3. Physically active 4. Step-by-step thinker 5. Coordinated	1. Math-Geometry 2. Chemistry 3. Trade and Industry courses 4. Physics 5. Language Arts	

BOX 14	Activities that describe what I like to do:	Personal qualities that describe me:	School subjects that I like:	Total number circled in Box 14
	1. Shop and go to the mall. 2. Be in charge. 3. Make displays and promote ideas. 4. Give presentations and enjoy public speaking. 5. Persuade people to buy products or to participate in activities. 6. Communicate my ideas to other people. 7. Take advantage of opportunities to make extra money.	1. Enthusiastic 2. Competitive 3. Creative 4. Self-motivated 5. Persuasive	1. Language Arts 2. Math 3. Business Education/ Marketing 4. Economics 5. Computer Applications	

BOX 15	Activities that describe what I like to do:	Personal qualities that describe me:	School subjects that I like:	Total number circled in Box 15
	1. Interpret formulas. 2. Find the answers to questions. 3. Work in a laboratory. 4. Figure out how things work and investigate new things. 5. Explore new technology. 6. Experiment to find the best way to do something. 7. Pay attention to details and help things be precise.	1. Detail-oriented 2. Inquisitive 3. Objective 4. Methodical 5. Mechanically inclined	1. Math 2. Science 3. Drafting/Computer-Aided Drafting 4. Electronics/Computer Networking 5. Technical Classes/ Technology Education	

BOX 16	Activities that describe what I like to do:	Personal qualities that describe me:	School subjects that I like:	Total number circled in Box 16
	1. Travel. 2. See well and have quick reflexes. 3. Solve mechanical problems. 4. Design efficient processes. 5. Anticipate needs and prepare to meet them. 6. Drive or ride. 7. Move things from one place to another.	1. Realistic 2. Mechanical 3. Coordinated 4. Observant 5. Planner	1. Math 2. Trade and Industry courses 3. Physical Sciences 4. Economics 5. Foreign Language	

Disclaimer: *Your interests may change over time. These survey results are intended to assist you with informal career exploration. Consider more formal assessments and other resources or services to help you plan your career. This survey does not make any claims of statistical reliability.*

The Sixteen Career Clusters

1 	The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.
2 	Careers in designing, planning, managing, building, and maintaining the built environment.
3 	Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.
4 	Business Management and Administration careers encompass planning, organizing, directing and evaluating business functions essential to efficient and productive business operations. Business Management and Administration career opportunities are available in every sector of the economy.
5 	Planning, managing, and providing education and training services, and related learning support services.
6 	Planning, services for financial and investment planning, banking, insurance, and business financial management.
7 	Executing governmental functions to include governance; national security; foreign service; planning; revenue and taxation; regulation; and management and administration at the local, state, and federal levels.
8 	Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.
9 	Hospitality and Tourism encompasses the management, marketing and operations of restaurants and other food services, lodging, attractions and recreation events, and travel-related services.

Career Clusters cont.

10		Preparing individuals for employment in career pathways that relate to families and human needs.
11		Building linkages in IT occupations framework for entry-level, technical, and professional careers related to the design, development, support and management of hardware, software, multimedia, and systems integration services.
12		Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.
13		Planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance, and manufacturing/process engineering.
14		Planning, managing, and performing marketing activities to reach organizational objectives.
15		Planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering), including laboratory and testing services, and research and development services.
16		Planning, mangagement, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment, and facility maintenance.

My top three Career Clusters of interest are:

1. _____

2. _____

3. _____

For more information, check with a career counselor at your high school, career technical center, higher education institution, or one-stop career center.

Career Cluster: Agriculture, Food & Natural Resources

Pathway: Natural Resource Systems

Career Clusters identify pathways from high schools to two-year and four-year technical colleges, universities, graduate schools, apprenticeship programs and the workplace so that learners can recognize the relationship between what they learn in school and what they can do in the future.

9th Grade	10th Grade	11th Grade	12th Grade
Required Core Courses	**Required Core Courses**	**Required Core Courses**	**Required Core Courses**
English 9 or Accelerated English 9	English 10	English 11	English 12
Math: Algebra I or Algebra 2 or Geometry	Math: Algebra 2 or Geometry or Math for Tech. Careers 1 or Trigonometry and Advanced Topics or Pre-Calculus	Math: Algebra 2 or Geometry or Math for Tech Careers 1 or Trigonometry and Advanced Topics or Pre-Calculus or AP Calculus 1 (AB) or AP Calculus 2 (BC) or AP Statistics	Math: Algebra 2 or Geometry or Math for Tech Careers 1 or Trigonometry and Advanced Topics or Pre-Calculus or AP Calculus 1 (AB) or AP Calculus 2 (BC) or AP Statistics
Science: Physical Science or Accelerated Physical Science	Science: Ecology and Human Biology	Science: Any	Science:
Social Studies: US History	Social Studies: World History	Social Studies:	Social Studies: American Democracy

Other Required Courses for Graduation:

Physical Education 1.5 credits, Health .5 credit, Personal Finance .5 credit (graduation requirement for 2019), Elective Courses 10.0 credits

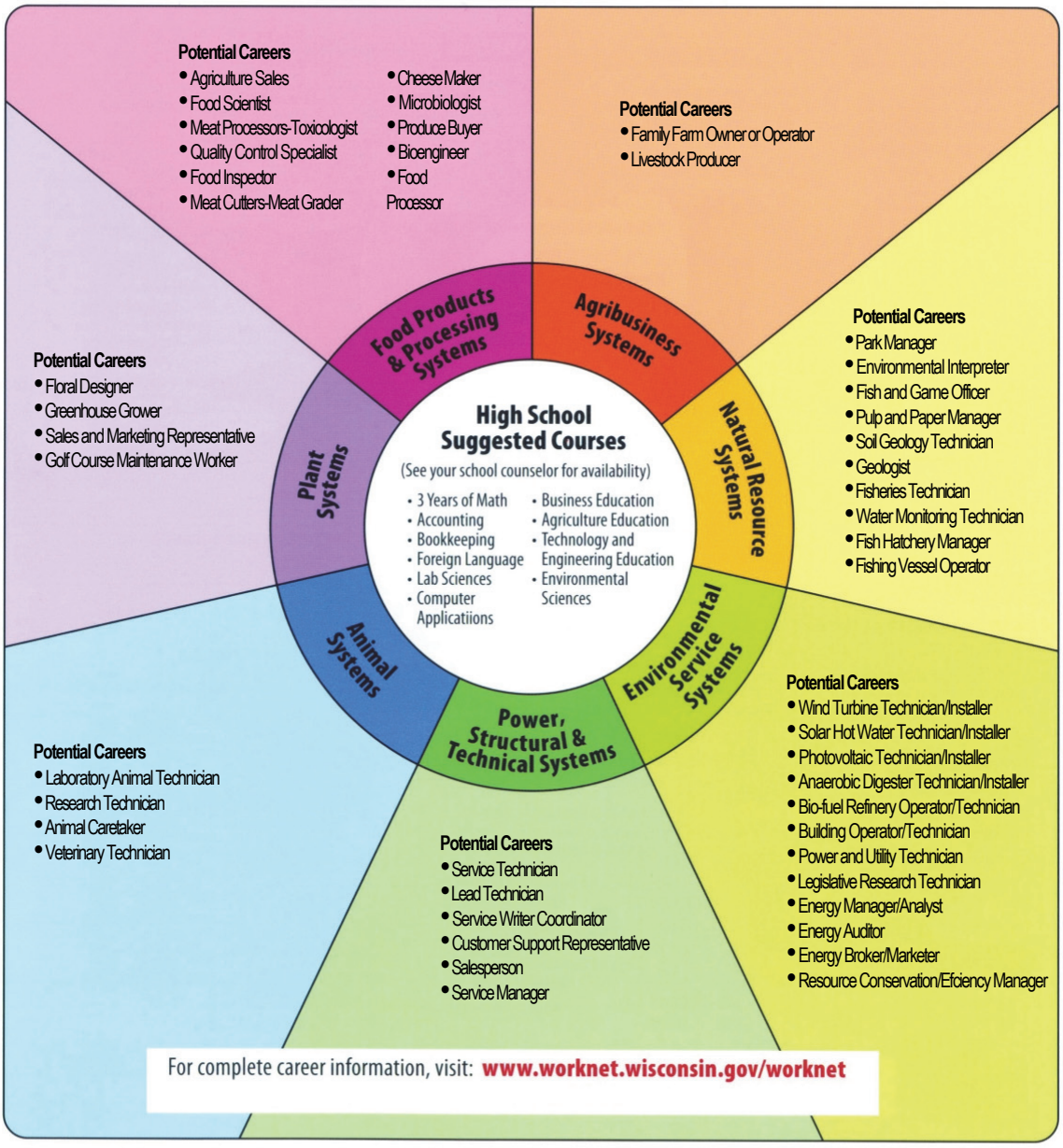
Related Elective Courses:		
Earth Series Courses Biology Series Chemistry AP Chemistry AP Biology Trigonometry	Algebra 2 Pre-Calculus AP Calculus: AB & BC AP Statistics	World Languages Economics Food Science Personal Finance

Wisconsin Technical College System www.witechcolleges.com		**College/University System** www.uwhelp.wisconsin.edu	
☐ Ag Bus/Science Tech ☐ Ag Equipment Tech ☐ Urban Forestry ☐ Biotech Lab Tech ☐ Dairy Herd Management ☐ Pollution Control ☐ Farm Business Production ☐ Farm Operation	☐ Golf Course Mgmt ☐ Health Physic Tech ☐ Horticulture ☐ Lab Animal Tech ☐ Landscaping ☐ Natural Resources ☐ Vet Technician ☐ Water Quality Tech	☐ Ag Journalism ☐ Ag Studies ☐ Agronomy ☐ Animal Science ☐ Conservation	☐ Dairy Science ☐ Forestry ☐ Horticulture ☐ Paper Science

Knowledge and Skills Needed to Succeed in this Career Cluster: Academics, Communications, Problem Solving and Critical Thinking, Information Technology Application Systems, Safety, Health and Environmental, Leadership and Teamwork, Ethics and Legal Responsibilities, Employability and Career Development, and Technical Skills.

Agriculture, Food & Natural Resources

The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.



Career Cluster: Architecture & Construction

Pathway: Design/Construction

Career Clusters identify pathways from high schools to two-year and four-year technical colleges, universities, graduate schools, apprenticeship programs and the workplace so that learners can recognize the relationship between what they learn in school and what they can do in the future.

9th Grade	10th Grade	11th Grade	12th Grade
Required Core Courses	**Required Core Courses**	**Required Core Courses**	**Required Core Courses**
English 9 or Accelerated English 9	English 10	English 11	English 12
Math: Algebra I or Algebra 2 or Geometry	Math: Algebra 2 or Geometry or Math for Technical Careers 1 or Trigonometry and Advanced Topics or Pre-Calculus	Math: Algebra 2 or Geometry or Math for Technical Careers 1 or Trigonometry and Advanced Topics or Pre-Calculus or AP Calculus 1 (AB) or AP Calculus 2 (BC) or AP Statistics	Math: Algebra 2 or Geometry or Math for Technical Careers 1 or Trigonometry and Advanced Topics or Pre-Calculus or AP Calculus 1 (AB) or AP Calculus 2 (BC) or AP Statistics
Science: Physical Science or Accelerated Physical Science	Science: Ecology and Human Biology	Science: Any	Science:
Social Studies: US History	Social Studies: World History	Social Studies:	Social Studies: American Democracy

Other Required Courses for Graduation:

Physical Education 1.5 credits, Health .5 credit, Personal Finance .5 credit (graduation requirement for 2019), Elective Courses 10.0 credits

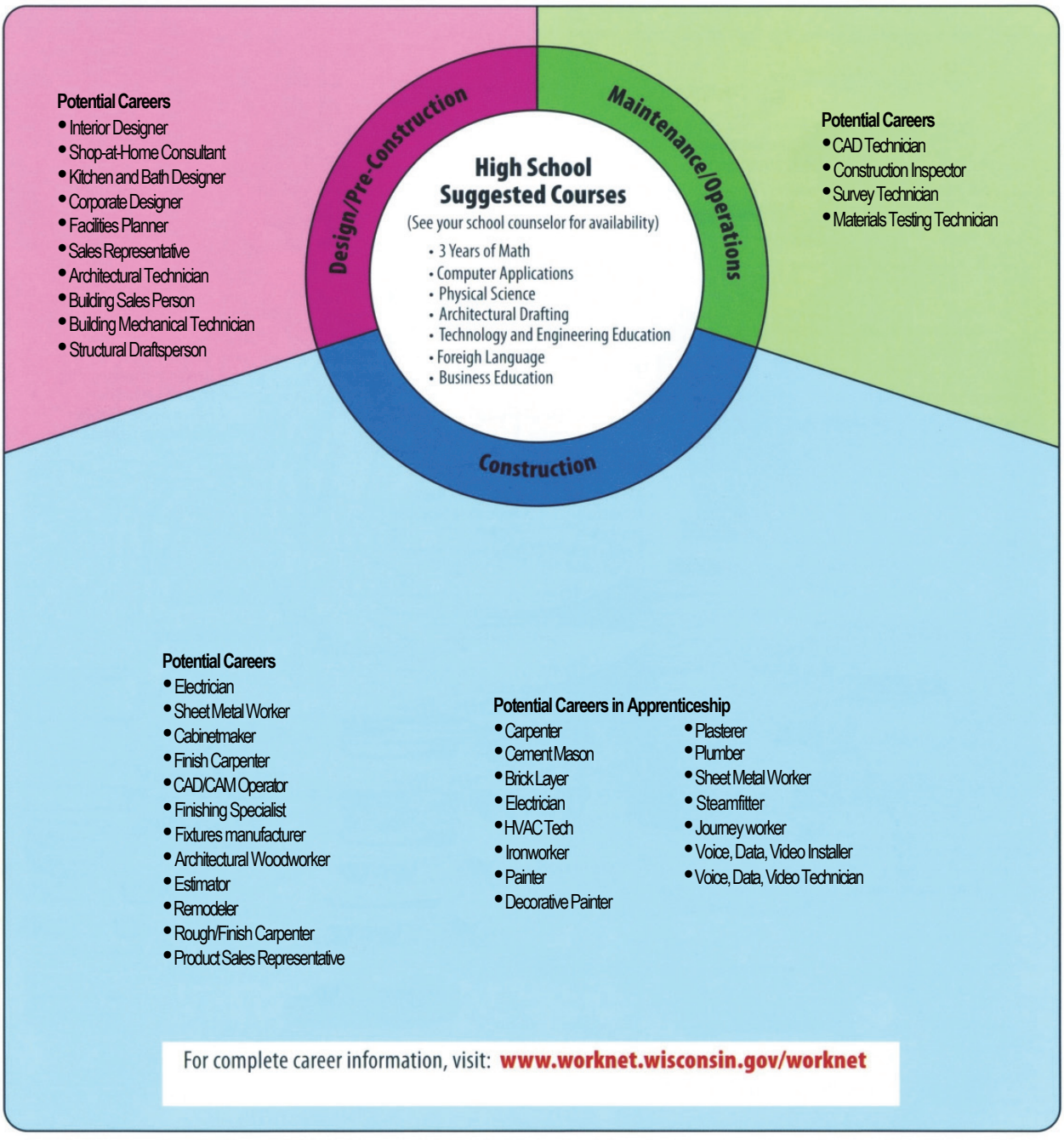
Related Elective Courses:		
Principles Of Engineering-PLTW Intro To Engineering Design- PLTW Digital Electronics -PLTW Constructions 1-4	Conceptual Physics Chemistry Pre-Calculus Math for Technical Careers 1 Math for Technical Careers 2 Trigonometry AP Statistics AP Calculus: AB and BC	Business Management Personal Finance Interior Design Public Speaking World Languages

Wisconsin Technical College System www.witechcolleges.com		**College/University System** www.uwhelp.wisconsin.edu	
☐ HVAC ☐ Architectural Design ☐ Drafting/Construction ☐ Woodworking ☐ Bricklaying & Masonry ☐ Carpentry ☐ Electrical Power Distrib. ☐ Electrical Power Remodel.	☐ Electricity ☐ Gas Utility Services ☐ Land Survey Tech ☐ Model Building Design ☐ Prep Plumbing ☐ Residential Build. Spec. ☐ Wood Tech ☐ Construction	☐ Architectural Studies ☐ Construction ☐ Engineering ☐ Landscape Architecture	☐ Paper Science ☐ Occupational Safety ☐ Urban Planning

Knowledge and Skills Needed to Succeed in this Career Cluster: Academics, Communications, Problem Solving and Critical Thinking, Information Technology Application Systems, Safety, Health and Environmental, Leadership and Teamwork, Ethics and Legal Responsibilities, Employability and Career Development, and Technical Skills.

Architecture & Construction

Careers in designing, planning, managing, building and maintaining the built environment.



Career Cluster: Arts, A/V Technology & Communications

Pathway: Audio/Video Tech and Film, Journalism, Broadcasting, Performing Arts, Printing Technology, Telecommunications, Visual Arts

Career Clusters identify pathways from high schools to two-year and four-year technical colleges, universities, graduate schools, apprenticeship programs and the workplace so that learners can recognize the relationship between what they learn in school and what they can do in the future.

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Science: Physical Science or Accelerated Physical Science	Science: Ecology and Human Biology	Science: Any	Science:
Social Studies: US History	Social Studies: World History	Social Studies:	Social Studies: American Democracy

Other Required Courses for Graduation:

Physical Education 1.5 credits, Health .5 credit, Personal Finance .5 credit (graduation requirement for 2019), Elective Courses 10.0 credits

Related Elective Courses:		
Exploring Technology	Multimedia	2-D or 3-D Art
Various Music Courses	Web Design and Development	Graphic Art
Industrial Tech Ed Co-Op	Business Management	Advanced Art
Theatre Arts	Media Journalism	AP Drawing
Theatre Crafts	World Languages	Psychology
Economics	Interior Design	Advanced Acting
	Marketing	Personal Finance
	Performing Arts	Fashion Design
	Advanced Fashion Design	Computer Applications

Wisconsin Technical College System www.witechcolleges.com		**College/University System** www.uwhelp.wisconsin.edu	
☐ Animation	☐ Graphic Comm. Tech	☐ Printing & Publishing	☐ Dance
☐ Broadcast Captioning	☐ Graphic Design	☐ Radio Broadcasting	☐ Digital Arts/Animation
☐ Flexographic Printing	☐ Graphic Tech. Designer	☐ Technology Comm.	☐ Film
☐ Flexographic Tech	☐ Marketing & Graphic	☐ TV & Video Production	☐ Graphic Design
☐ Interior Design	☐ Communications	☐ Visual Communication	☐ Music
☐ Jewelry Fabrication	☐ Photography	☐ Computer Graphics	☐ Musical Theater
☐ Graphic Communication.	☐ Printing	☐ Web Dev. & Design	☐ Photography
☐ Electronic Pre Press		☐ Art	☐ Theater Design

Knowledge and Skills Needed to Succeed in this Career Cluster: Academics, Communications, Problem Solving and Critical Thinking, Information Technology Application Systems, Safety, Health and Environmental, Leadership and Teamwork, Ethics and Legal Responsibilities, Employability and Career Development, and Technical Skills.

Arts, A/V Technology & Communications

Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.

Potential Careers
- Multimedia Design
- Webpage Design
- Video Production
- Computer Animation
- Display Design

Potential Careers
- Telecommunication Technician
- Telecommunication Repairers/Installer
- Telecommunication Programmer

Potential Careers
- Technical Editor
- Technical Writer
- News Reporter
- Feature Writer
- Copy Editor
- Web Writer
- Public Relations Writer

Potential Careers
- Production Manager
- Screen Writer
- Director
- Performer
- Make-Up Artist
- Lighter
- Sets
- Sound Effects
- Acoustics

Potential Careers
- Character Animator
- Digital Game Production
- Simulation Animator
- Modeler
- Illustrator
- Art Direction/Editing
- Computer Animation
- Graphic Design and Layout
- Illustration Promotion
- Production Print
- Professional Photographer
- Photo Processing Lab Technician
- Film or Television Production Crew
- Photojournalist
- Sales
- Multimedia Design
- Webpage Design/Layout
- Video Production
- Display Design
- Web Illustration
- Computer Graphics
- Web Project Management
- Interactive Design

Potential Careers
- Sales Representative
- Electronic Prepress Technician
- Proofer
- Platemaker
- Press Operator
- Distribution Technician
- Customer Service Representative
- Estimator
- Quality Control Technician

Audio & Video Technology & Film

Telecommunications

Performing Arts

Printing Technology

Visual Arts

Journalism & Broadcasting

High School Suggested Courses

(See your school counselor for availability)

- Art
- Theater
- Marketing
- 3 Years of Math
- Communications
- Graphic Arts
- Computer Applications
- Foreign Language

For complete career information, visit: **www.worknet.wisconsin.gov/worknet**

Career Cluster: Business, Management & Administration

Pathway: Administrative Support, Business Administration Management, General Management, Human Resource Management, Operations Management

Career Clusters identify pathways from high schools to two-year and four-year technical colleges, universities, graduate schools, apprenticeship programs and the workplace so that learners can recognize the relationship between what they learn in school and what they can do in the future.

9th Grade	10th Grade	11th Grade	12th Grade
Required Core Courses	**Required Core Courses**	**Required Core Courses**	**Required Core Courses**
English 9 or Accelerated English 9	English 10	English 11	English 12
Math: Algebra I or Algebra 2 or Geometry	Math: Algebra 2 or Geometry or Math for Tech Careers 1 or Trigonometry and Advanced Topics or Pre-Calculus	Math: Algebra 2 or Geometry or Math for Tech Careers 1 or Trigonometry and Advanced Topics or Pre-Calculus or AP Calculus 1 (AB) or AP Calculus 2 (BC) or AP Statistics	Math: Algebra 2 or Geometry or Math for Tech Careers 1 or Trigonometry and Advanced Topics or Pre-Calculus or AP Calculus 1 (AB) or AP Calculus 2 (BC) or AP Statistics
Science: Physical Science or Accelerated Physical Science	Science: Ecology and Human Biology	Science: Any	Science:
Social Studies: US History	Social Studies: World History	Social Studies:	Social Studies: American Democracy

Other Required Courses for Graduation:

Physical Education 1.5 credits, Health .5 credit, Personal Finance .5 credit (graduation requirement for 2019), Elective Courses 10.0 credits

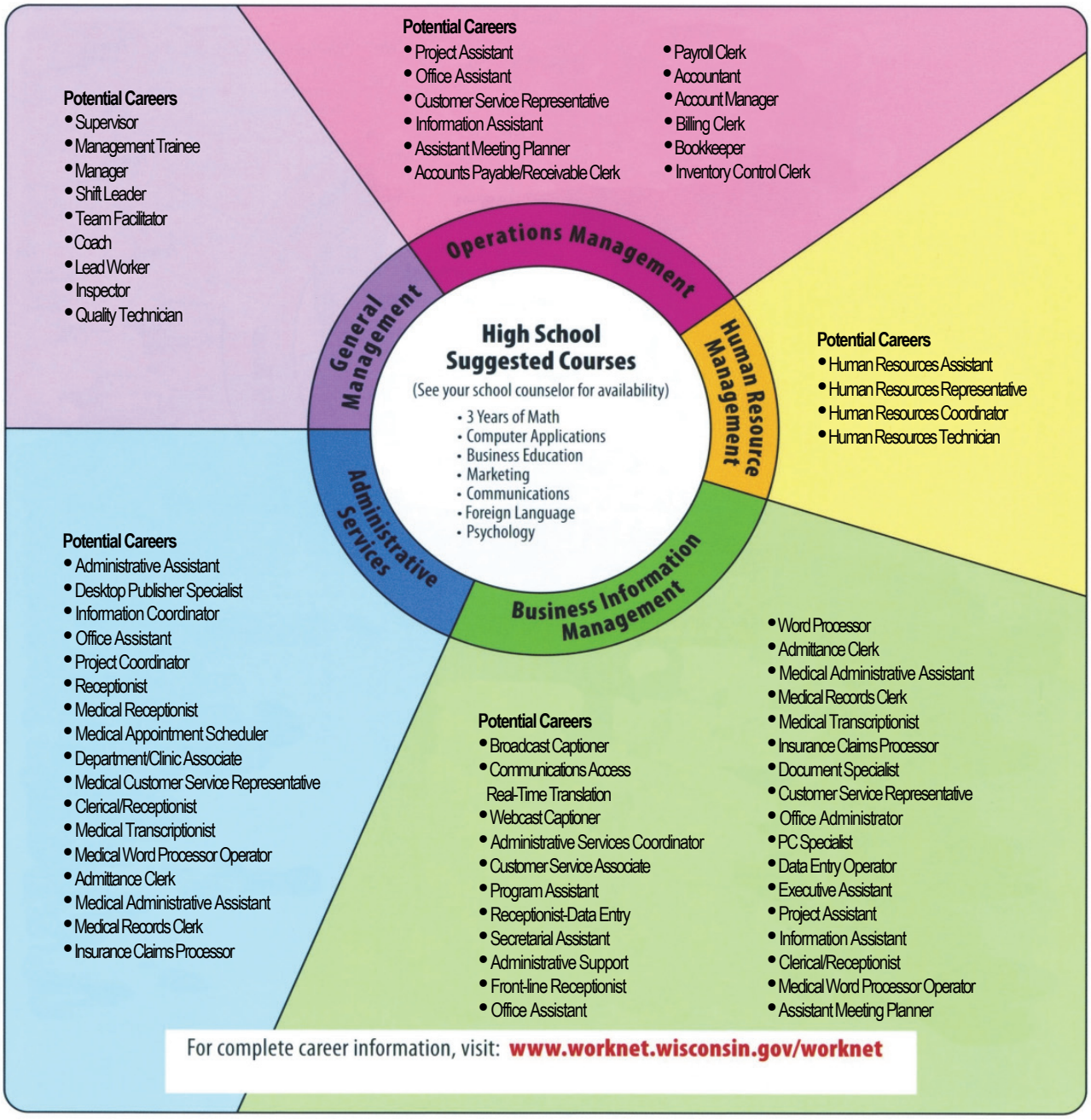
Related Elective Courses:		
Business Foundations	Marketing	Accounting Courses
Web Design and Development	Entrepreneurship	Business and Personal Law
Business Management	World Languages	Multimedia
Trigonometry	AP Calculus: AB and BC	Sociology
Personal Finance	Economics	International Business
AP Statistics	Psychology	Sports Management
Public Speaking	Computer Sci.& Software Eng. – PLTW	Computer Applications
Pre-Calculus	High School of Business ™	

Wisconsin Technical College System www.witechcolleges.com		**College/University System** www.uwhelp.wisconsin.edu	
☐ Accounting	☐ Legal Secretary	☐ Accounting	☐ Restaurant Management
☐ Administrative Assistant	☐ Med. Admin. Specialist	☐ Actuarial Science	☐ Production Management
☐ Bilingual Office Asst.	☐ Medical Transcription	☐ Business Administration	☐ International Business
☐ Software Applications	☐ Paralegal	☐ Economics	☐ Management
☐ Technology Coordinator	☐ Property Management	☐ Finance	☐ Marketing
☐ Middle Management	☐ Quality Management	☐ Human Resource	☐ Real Estate
☐ E-Commerce Admin.	☐ Real Estate Brokerage	☐ Hotel Management	☐ Business Law
☐ Global Specialist	☐ Retail Management		
☐ Health Care Services	☐ Small Business Operation		
☐ HR Admin	☐ Supervisory Management		
☐ IT Specialist	☐ Travel Services		
☐ Web Developer			

Knowledge and Skills Needed to Succeed in this Career Cluster: Academics, Communications, Problem Solving and Critical Thinking, Information Technology Application Systems, Safety, Health and Environmental, Leadership and Teamwork, Ethics and Legal Responsibilities, Employability and Career Development, and Technical Skills.

Business Management & Administration

Business Management and Administration careers encompass planning, organizing, directing and evaluating business functions essential to efficient and productive business operations. Business Management and Administration career opportunities are available in every sector of the economy.



Career Cluster: Education & Training

Pathway: Teacher and Training

Career Clusters identify pathways from high schools to two-year and four-year technical colleges, universities, graduate schools, apprenticeship programs and the workplace so that learners can recognize the relationship between what they learn in school and what they can do in the future.

9th Grade	10th Grade	11th Grade	12th Grade
Required Core Courses	**Required Core Courses**	**Required Core Courses**	**Required Core Courses**
English 9 or Accelerated English 9	English 10	English 11	English 12
Math: Algebra I or Algebra 2 or Geometry	Math: Algebra 2 or Geometry or Math for Tech Careers 1 or Trigonometry and Advanced Topics or Pre-Calculus	Math: Algebra 2 or Geometry or Math for Tech Careers 1 or Trigonometry and Advanced Topics or Pre-Calculus or AP Calculus 1 (AB) or AP Calculus 2 (BC) or AP Statistics	Math: Algebra 2 or Geometry or Math for Tech Careers 1 or Trigonometry and Advanced Topics or Pre-Calculus or AP Calculus 1 (AB) or AP Calculus 2 (BC) or AP Statistics
Science: Physical Science or Accelerated Physical Science	Science: Ecology and Human Biology	Science: Any	Science:
Social Studies: US History	Social Studies: World History	Social Studies:	Social Studies: American Democracy

Other Required Courses for Graduation:

Physical Education 1.5 credits, Health .5 credit, Personal Finance .5 credit (graduation requirement for 2019), Elective Courses 10.0 credits

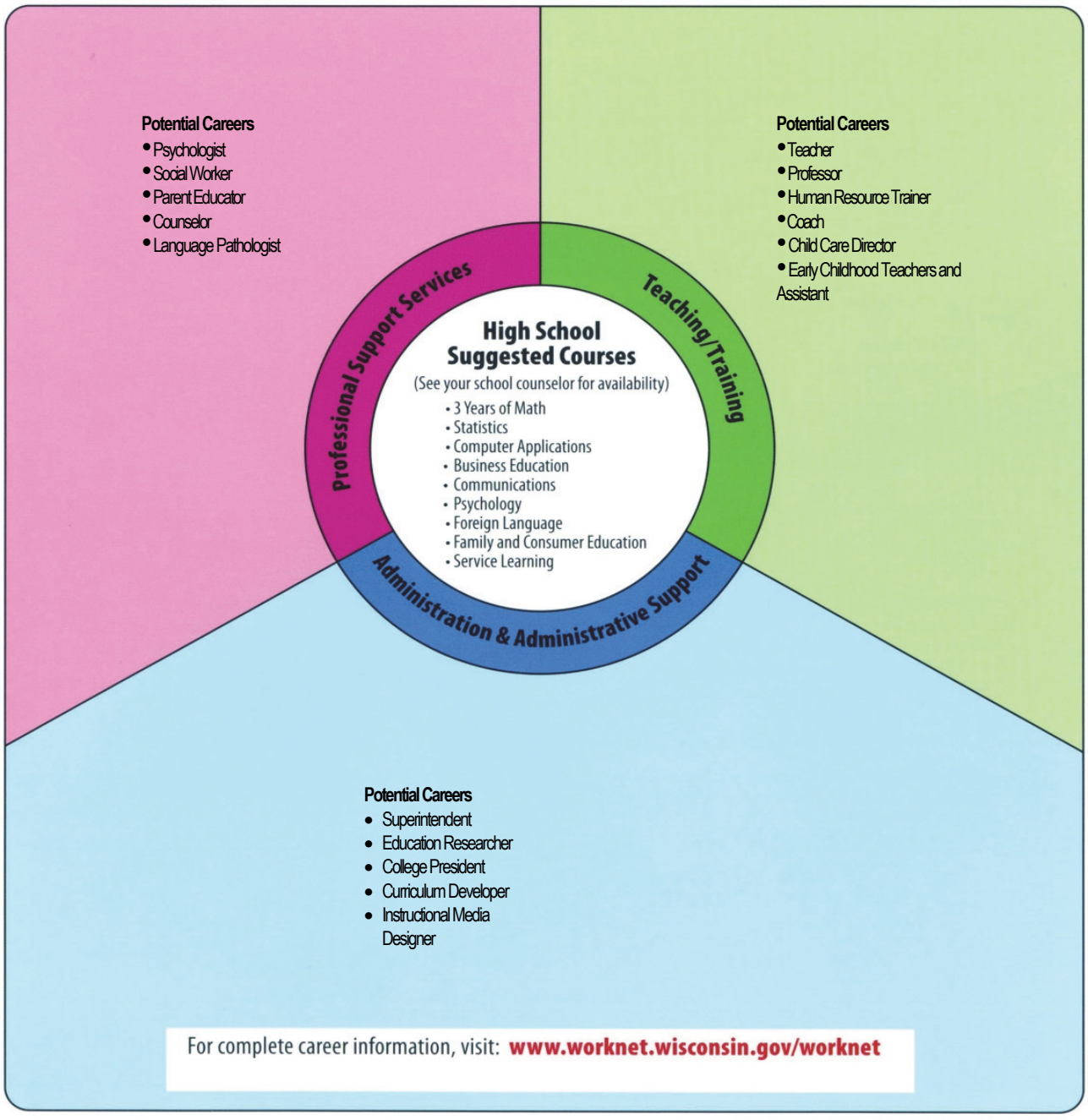
Related Elective Courses:		
Foundations of Early Childhood Child Development World Languages Personal Finance Adv. Math courses within area of interest	Early Childhood Education 1 and 2 Psychology Public Speaking Creative Writing Trigonometry Chemistry	Early Childhood Education Internship Sociology AP English Conceptual Physics Computer Applications

Wisconsin Technical College System www.witechcolleges.com		**College/University System** www.uwhelp.wisconsin.edu	
☐ Human Resources ☐ HR/Business ☐ Administration	☐ Child Care Services ☐ Early Childhood Ed. ☐ Educational Interpreter	☐ Ag Education ☐ Art Education ☐ Business Education ☐ Family & Consumer Educ. ☐ Physical Education ☐ English Education ☐ Math Education ☐ World Language Ed. ☐ Health Education ☐ Principal ☐ Business Trainer	☐ Science Education ☐ Social Studies Education ☐ Technology Education ☐ Performing Arts Educ. ☐ Special Education ☐ Outdoor Education ☐ Marketing Education ☐ Computer Education ☐ School Administrator ☐ Guidance Counselor

Knowledge and Skills Needed to Succeed in this Career Cluster: Academics, Communications, Problem Solving and Critical Thinking, Information Technology Application Systems, Safety, Health and Environmental, Leadership and Teamwork, Ethics and Legal Responsibilities, Employability and Career Development, and Technical Skills.

Education & Training

Planning, managing and providing education and training services, and related learning support services.



Career Cluster: Finance

Pathway: Accounting, Banking Services, Business Finance, Insurance,

Securities and Investments

Career Clusters identify pathways from high schools to two-year and four-year technical colleges, universities, graduate schools, apprenticeship programs and the workplace so that learners can recognize the relationship between what they learn in school and what they can do in the future.

9th Grade	10th Grade	11th Grade	12th Grade
Required Core Courses English 9 or Accelerated English 9 Math: Algebra I or Algebra 2 or Geometry Science: Physical Science or Accelerated Physical Science Social Studies: US History	**Required Core Courses** English 10 Math: Algebra 2 or Geometry or Math for Tech Careers 1 or Trigonometry and Advanced Topics or Pre-Calculus Science: Ecology and Human Biology Social Studies: World History	**Required Core Courses** English 11 Math: Algebra 2 or Geometry or Math for Tech Careers 1 or Trigonometry and Advanced Topics or Pre-Calculus or AP Calculus 1 (AB) or AP Calculus 2 (BC) or AP Statistics Science: Any Social Studies:	**Required Core Courses** English 12 Math: Algebra 2 or Geometry or Math for Tech Careers 1 or Trigonometry and Advanced Topics or Pre-Calculus or AP Calculus 1 (AB) or AP Calculus 2 (BC) or AP Statistics Science: Social Studies: American Democracy

Other Required Courses for Graduation:

Physical Education 1.5 credits, Health .5 credit, Personal Finance.5 credit (graduation requirement for 2019), Elective Courses 10.0 credits

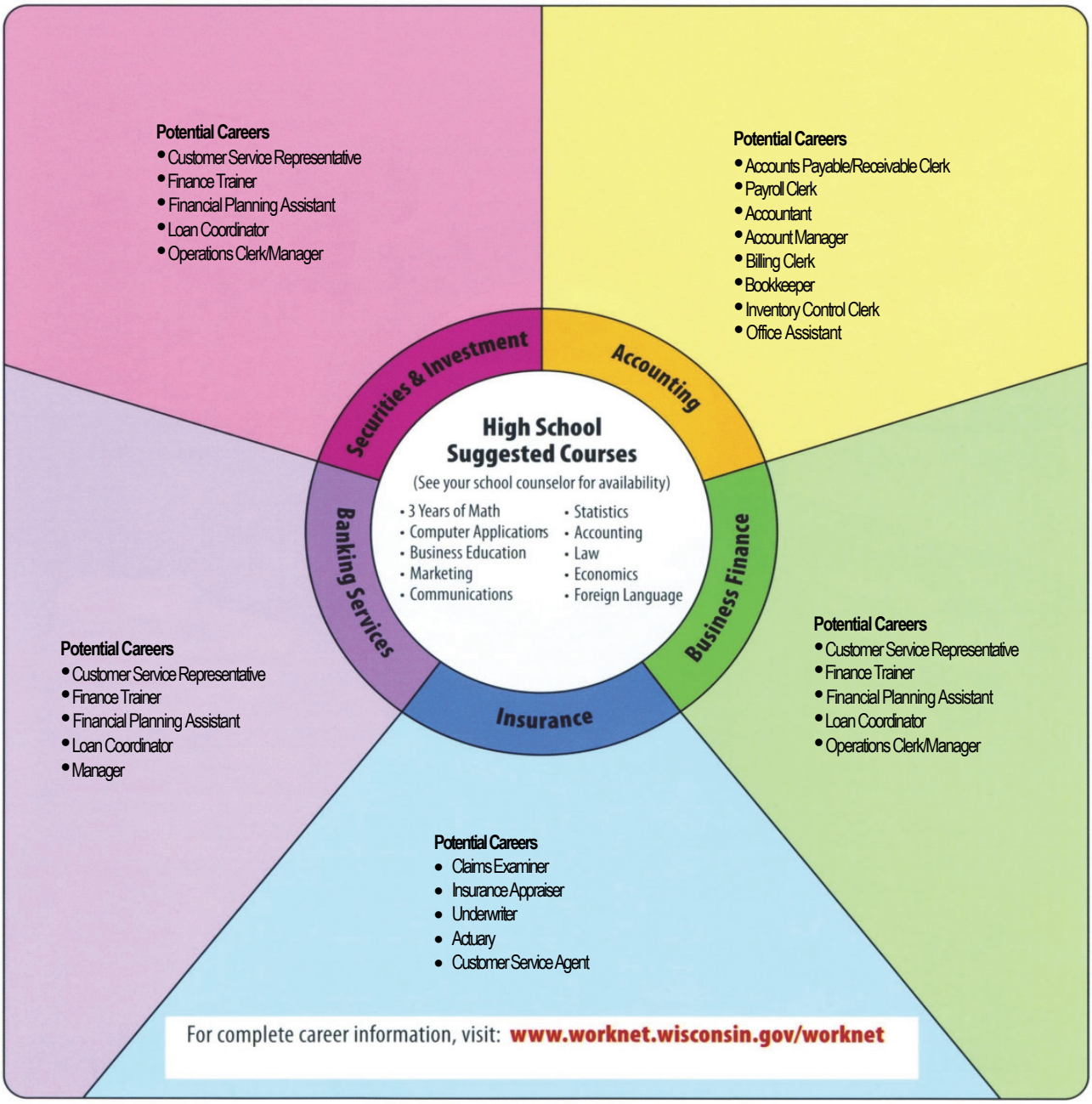
Related Elective Courses:		
Business Foundations Web Design and Development Business Management Public Speaking AP Statistics Sociology International Business	Accounting Courses Business and Personal Law Economics Pre – Calculus AP Calculus AB and BC High School of Business ™	Marketing Courses Personal Finance Psychology World Languages Computer Applications

Wisconsin Technical College System www.witechcolleges.com		**College/University System** www.uwhelp.wisconsin.edu	
☐ Banking Services ☐ Financial Services ☐ Finance ☐ Financial Management	☐ Financial Planning Assoc. ☐ Financial Services Rep. ☐ Quality Assurance Tech ☐ Security Loss Prevention	☐ Accounting ☐ Business Administration ☐ Economics ☐ Management	☐ Entrepreneurship ☐ Finance ☐ Marketing ☐ International Business

Knowledge and Skills Needed to Succeed in this Career Cluster: Academics, Communications, Problem Solving and Critical Thinking, Information Technology Application Systems, Safety, Health and Environmental, Leadership and Teamwork, Ethics and Legal Responsibilities, Employability and Career Development, and Technical Skills.

Finance

Planning, services for financial and investment planning, banking, insurance, and business financial management.



Career Cluster: Government & Public Administration

Pathway: Foreign Service, Governance, National Security, Planning, Public Management and Administration, Regulation, Revenue and Taxation

Career Clusters identify pathways from high schools to two-year and four-year technical colleges, universities, graduate schools, apprenticeship programs and the workplace so that learners can recognize the relationship between what they learn in school and what they can do in the future.

9th Grade	10th Grade	11th Grade	12th Grade
Required Core Courses	**Required Core Courses**	**Required Core Courses**	**Required Core Courses**
English 9 or Accelerated English 9	English 10	English 11	English 12
Math: Algebra I or Algebra 2 or Geometry	Math: Algebra 2 or Geometry or Math for Tech Careers 1 or Trigonometry and Advanced Topics or Pre-Calculus	Math: Algebra 2 or Geometry or Math for Tech Careers 1 or Trigonometry and Advanced Topics or Pre-Calculus or AP Calculus 1 (AB) or AP Calculus 2 (BC) or AP Statistics	Math: Algebra 2 or Geometry or Math for Tech Careers 1 or Trigonometry and Advanced Topics or Pre-Calculus or AP Calculus 1 (AB) or AP Calculus 2 (BC) or AP Statistics
Science: Physical Science or Accelerated Physical Science	Science: Ecology and Human Biology	Science: Any	Science:
Social Studies: US History	Social Studies: World History	Social Studies:	Social Studies: American Democracy

Other Required Courses for Graduation:

Physical Education 1.5 credits, Health .5 credit, Personal Finance .5 credit (graduation requirement for 2019), Elective Courses 10.0 credits

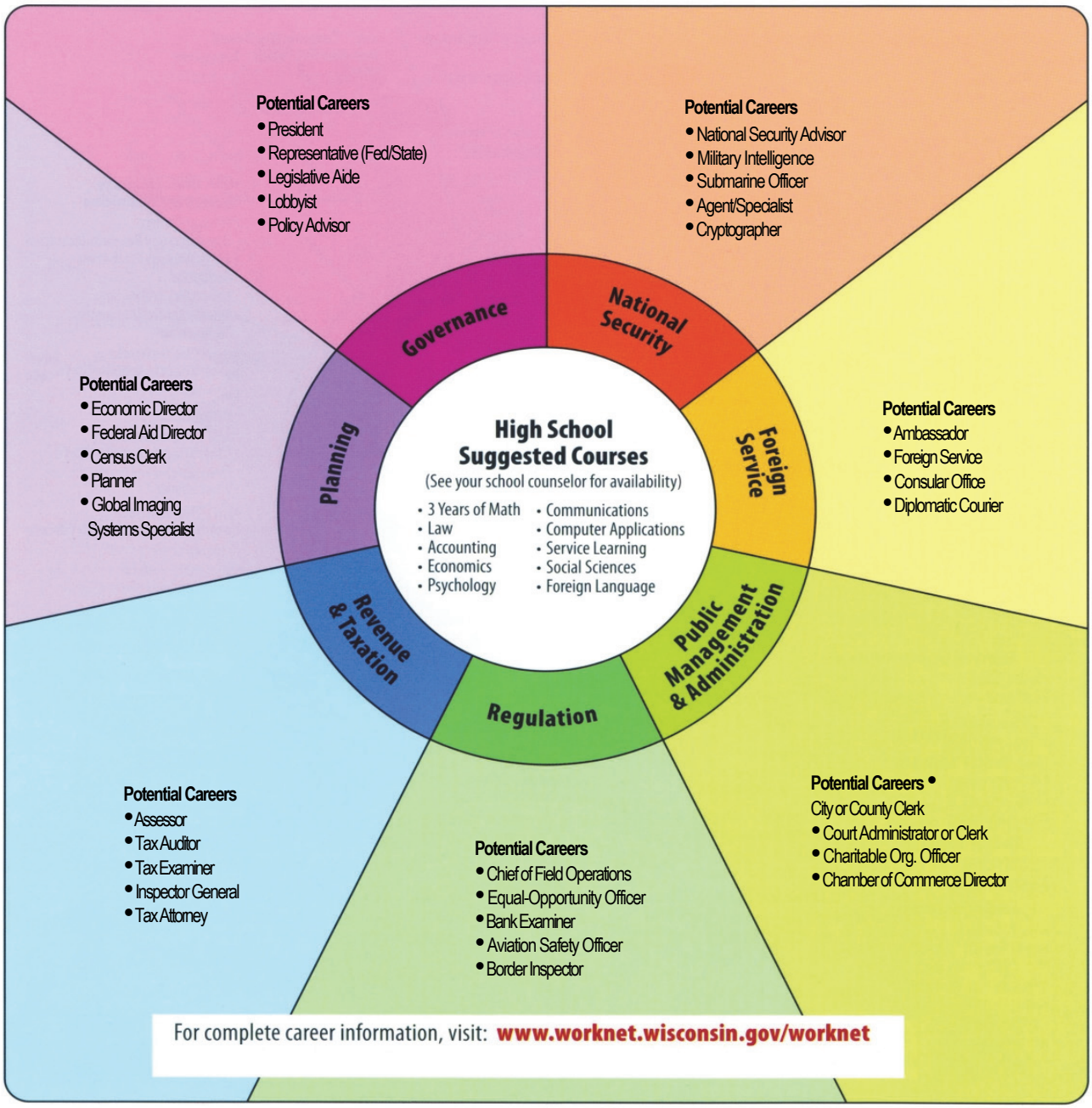
Related Elective Courses:		
AP US History	JROTC Courses	Current Events
Accounting Courses	Trigonometry	Pre-Calculus
Economics	Business and Personal Law	World Languages
Public Speaking	AP Calculus: AB and BC	Personal Finance
Marketing	Creative Writing	Psychology
Conceptual Physics	Chemistry	Computer Applications
Sociology	AP English	
AP Psychology	High School of Business ™	

Wisconsin Technical College System www.witechcolleges.com		College/University System www.uwhelp.wisconsin.edu	
☐ Administrative Assistant	☐ Global Bus. Specialist	☐ Criminal Justice	☐ Paralegal
☐ Banking/Finance Services	☐ Info Security Specialist	☐ Environmental Law Enfor.	☐ Public Administration
☐ Bilingual Assistant	☐ Interpreter	☐ Human Services	☐ Recreation Management
☐ Comm. Dev. Disabilities	☐ Judicial Reporting	☐ Legal Studies	
☐ CJ – Corrections/Law	☐ Court Reporter		
☐ CJ - Enforcement	☐ Legal Secretary/Paralegal		
☐ Emergency Medical Tech	☐ Paramedic Tech		
☐ Pollution Control	☐ Technical Comm.		
☐ Fire Science	☐ Web Developer		

Knowledge and Skills Needed to Succeed in this Career Cluster: Academics, Communications, Problem Solving and Critical Thinking, Information Technology Application Systems, Safety, Health and Environmental, Leadership and Teamwork, Ethics and Legal Responsibilities, Employability and Career Development, and Technical Skills.

Government & Public Administration

Executing governmental functions to include Governance; National Security; Foreign Service; Planning; Revenue and Taxation; Regulation; and Management and Administration at the local, state, and federal levels.



Career Cluster: Health Science

Pathway: Therapeutic & Diagnostic

Career Clusters identify pathways from high schools to two-year and four-year technical colleges, universities, graduate schools, apprenticeship programs and the workplace so that learners can recognize the relationship between what they learn in school and what they can do in the future.

9th Grade	10th Grade	11th Grade	12th Grade
Required Core Courses	**Required Core Courses**	**Required Core Courses**	**Required Core Courses**
English 9 or Accelerated English 9	English 10	English 11	English 12
Math: Algebra I or Algebra 2 or Geometry	Math: Algebra 2 or Geometry or Math for Tech Careers 1 or Trigonometry and Advanced Topics or Pre-Calculus	Math: Algebra 2 or Geometry or Math for Tech Careers 1 or Trigonometry and Advanced Topics or Pre-Calculus or AP Calculus 1 (AB) or AP Calculus 2 (BC) or AP Statistics	Math: Algebra 2 or Geometry or Math for Tech Careers 1 or Trigonometry and Advanced Topics or Pre-Calculus or AP Calculus 1 (AB) or AP Calculus 2 (BC) or AP Statistics
Science: Physical Science or Accelerated Physical Science	Science: Ecology and Human Biology	Science: Any	Science:
Social Studies: US History	Social Studies: World History	Social Studies:	Social Studies: American Democracy

Other Required Courses for Graduation:

Physical Education 1.5 credits, Health .5 credit, Personal Finance .5 credit (graduation requirement for 2019), Elective Courses 10.0 credits

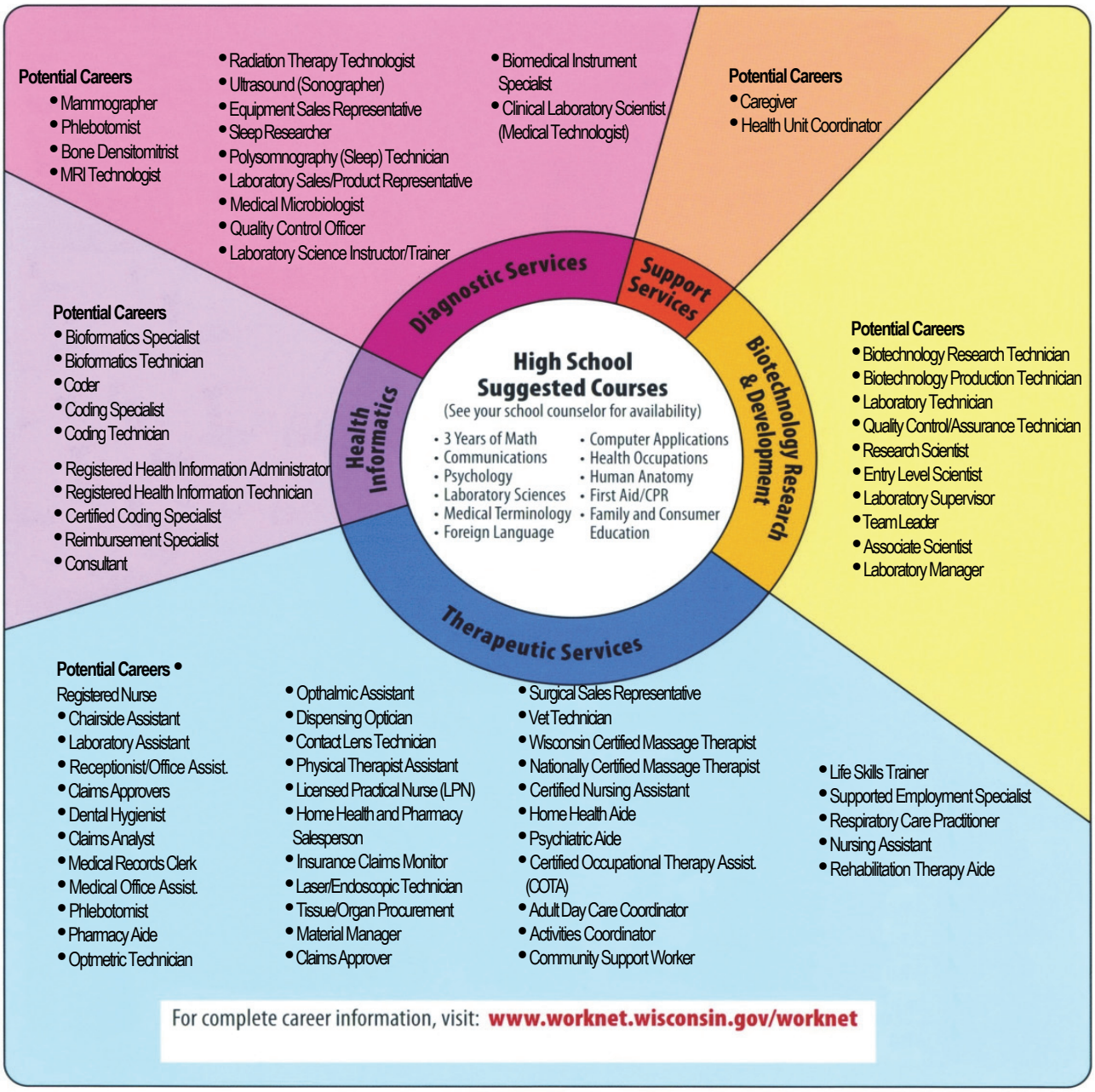
Related Elective Courses:		
Health Careers	Anatomy and Physiology	Chemistry
Conceptual Physics	Medical terminology	Trigonometry
Child Development	Certified Nursing Assistant (CNA)	Pre-Calculus
AP Statistics	Earth Series Courses	AP English
AP Chemistry	Biology Series Courses	World Languages
AP Calculus: AB and BC	Intro to Forensic Science	AP Psychology
Relationship	Psychology	Personal Finance
	AP Environmental Science	

Wisconsin Technical College System www.witechcolleges.com		**College/University System** www.uwhelp.wisconsin.edu	
☐ Intensive Care Paramedic	☐ Emergency Med Tech	☐ Optometric Tech.	☐ Art Therapy
☐ Anesthesia Tech	☐ Healthcare Bus. Services	☐ Paramedic Tech.	☐ Athletic Training
☐ Cardiovascular Tech	☐ Health Info Tech	☐ Pharmacy Tech.	☐ Community Health Ed.
☐ Central Service Tech	☐ Health Unit Coordinator	☐ Phlebotomy Tech.	☐ Dietetics
☐ Chiropractic Tech	☐ Interpreter Tech	☐ Physical Therapist Asst.	☐ Exercise & Sport Science
☐ Clinical Lab Tech	☐ Medical Assistant	☐ Practical Nursing	☐ Fitness
☐ Community Based Resid.	☐ Medical Coding Spec.	☐ Radiography	☐ Kinesiology
☐ Facility Caregiver	☐ Medical Transcription	☐ Renal Dialysis Tech.	☐ Medical Technology
☐ Dental Assistant	☐ Medication Asst.	☐ Respiratory Care	☐ Music Therapy
☐ Dental Hygienist	☐ Nursing	☐ Speech Lang. Pathologist	☐ Nursing
☐ Dental Tech	☐ Nursing Asst.	☐ Surgical Technologist	☐ Occupational Therapy
☐ Diagnostic Sonographer	☐ Occupation Therapy Asst.	☐ Therapeutic Massage	☐ Physician Assistant
	☐ Optician Science		

Knowledge and Skills Needed to Succeed in this Career Cluster: Academics, Communications, Problem Solving and Critical Thinking, Information Technology Application Systems, Safety, Health and Environmental, Leadership and Teamwork, Ethics and Legal Responsibilities, Employability and Career Development, and Technical Skills.

Health Science

Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.



Career Cluster: Hospitality and Tourism

Pathway: Restaurants and Food/Beverage

Career Clusters identify pathways from high schools to two-year and four-year technical colleges, universities, graduate schools, apprenticeship programs and the workplace so that learners can recognize the relationship between what they learn in school and what they can do in the future.

9th Grade	10th Grade	11th Grade	12th Grade
Required Core Courses	**Required Core Courses**	**Required Core Courses**	**Required Core Courses**
English 9 or Accelerated English 9	English 10	English 11	English 12
Math: Algebra I or Algebra 2 or Geometry	Math: Algebra 2 or Geometry or Math for Tech Careers 1 or Trigonometry and Advanced Topics or Pre-Calculus	Math: Algebra 2 or Geometry or Math for Tech Careers 1 or Trigonometry and Advanced Topics or Pre-Calculus or AP Calculus 1 (AB) or AP Calculus 2 (BC) or AP Statistics	Math: Algebra 2 or Geometry or Math for Tech Careers 1 or Trigonometry and Advanced Topics or Pre-Calculus or AP Calculus 1 (AB) or AP Calculus 2 (BC) or AP Statistics
Science: Physical Science or Accelerated Physical Science	Science: Ecology and Human Biology	Science: Any	Science:
Social Studies: US History	Social Studies: World History	Social Studies:	Social Studies: American Democracy

Other Required Courses for Graduation:

Physical Education 1.5 credits, Health .5 credit, Personal Finance .5 credit (graduation requirement for 2019), Elective Courses 10.0 credits

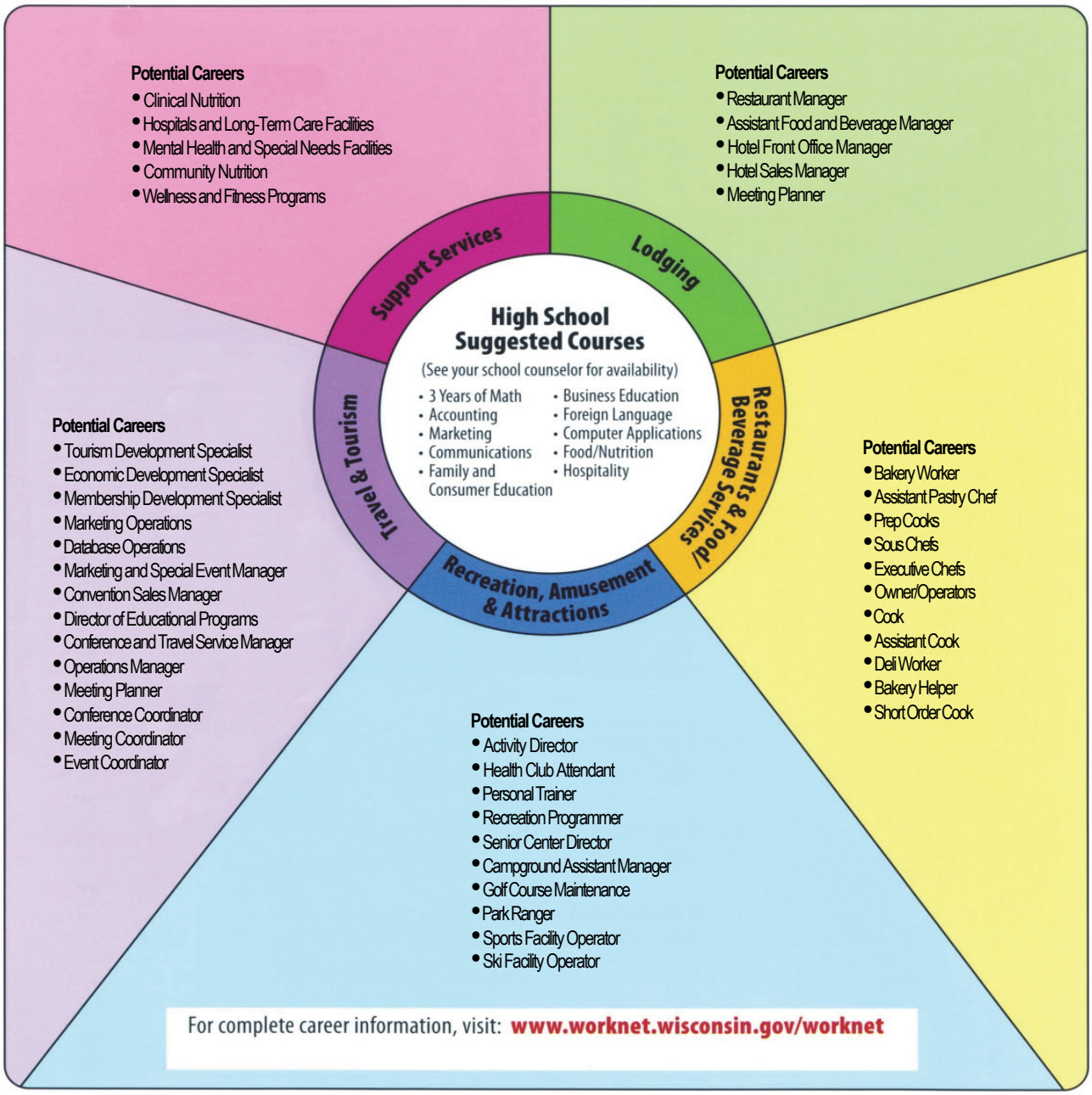
Related Elective Courses:		
Hospitality Services I Personal Finance Pre-Calculus Entrepreneurship Accounting Courses World Languages	Hospitality II AP Calculus: AB and BC Economics Business and Personal Law Sociology Business Foundations High School of Business ™	Hospitality Internship Business Management Conceptual Physics Chemistry Trigonometry Psychology International Business

Wisconsin Technical College System www.witechcolleges.com		**College/University System** www.uwhelp.wisconsin.edu
☐ Baking Production ☐ Baking/Pastry Arts ☐ Culinary Arts ☐ Culinary Management ☐ Facilities Maintenance ☐ Food and Beverage Prod. ☐ Food Service Aide/Prod. ☐ Hotel & Restaurant Mgmt ☐ Hotel/Hospitality Management	☐ Marketing & Graphic Communications ☐ Meeting and Event Management ☐ Quality Assurance Tech ☐ Recreation Management ☐ Retail Management ☐ Security Loss Prevention ☐ Travel Services	☐ Hotel, Restaurant, and Tourism Management ☐ Marketing ☐ Graphic Communication Management ☐ International Business ☐ Marketing Communications

Knowledge and Skills Needed to Succeed in this Career Cluster: Academics, Communications, Problem Solving and Critical Thinking, Information Technology Application Systems, Safety, Health and Environmental, Leadership and Teamwork, Ethics and Legal Responsibilities, Employability and Career Development, and Technical Skills.

Hospitality & Tourism

Hospitality & Tourism encompasses the management, marketing and operations of restaurants and other foodservices, lodging, attractions, recreation events and travel related services.



Career Cluster: Human Services

Pathway: Early Childhood Development and Services
Counseling and Mental Health Services

Career Clusters identify pathways from high schools to two-year and four-year technical colleges, universities, graduate schools, apprenticeship programs and the workplace so that learners can recognize the relationship between what they learn in school and what they can do in the future.

9th Grade	10th Grade	11th Grade	12th Grade
Required Core Courses	**Required Core Courses**	**Required Core Courses**	**Required Core Courses**
English 9 or Accelerated English 9	English 10	English 11	English 12
Math: Algebra I or Algebra 2 or Geometry	Math: Algebra 2 or Geometry or Math for Tech Careers 1 or Trigonometry and Advanced Topics or Pre-Calculus	Math: Algebra 2 or Geometry or Math for Tech Careers 1 or Trigonometry and Advanced Topics or Pre-Calculus or AP Calculus 1 (AB) or AP Calculus 2 (BC) or AP Statistics	Math: Algebra 2 or Geometry or Math for Tech Careers 1 or Trigonometry and Advanced Topics or Pre-Calculus or AP Calculus 1 (AB) or AP Calculus 2 (BC) or AP Statistics
Science: Physical Science or Accelerated Physical Science	Science: Ecology and Human Biology	Science: Any	Science:
Social Studies: US History	Social Studies: World History	Social Studies:	Social Studies: American Democracy

Other Required Courses for Graduation:

Physical Education 1.5 credits, Health .5 credit, Personal Finance .5 credit (graduation requirement for 2019), Elective Courses 10.0 credits

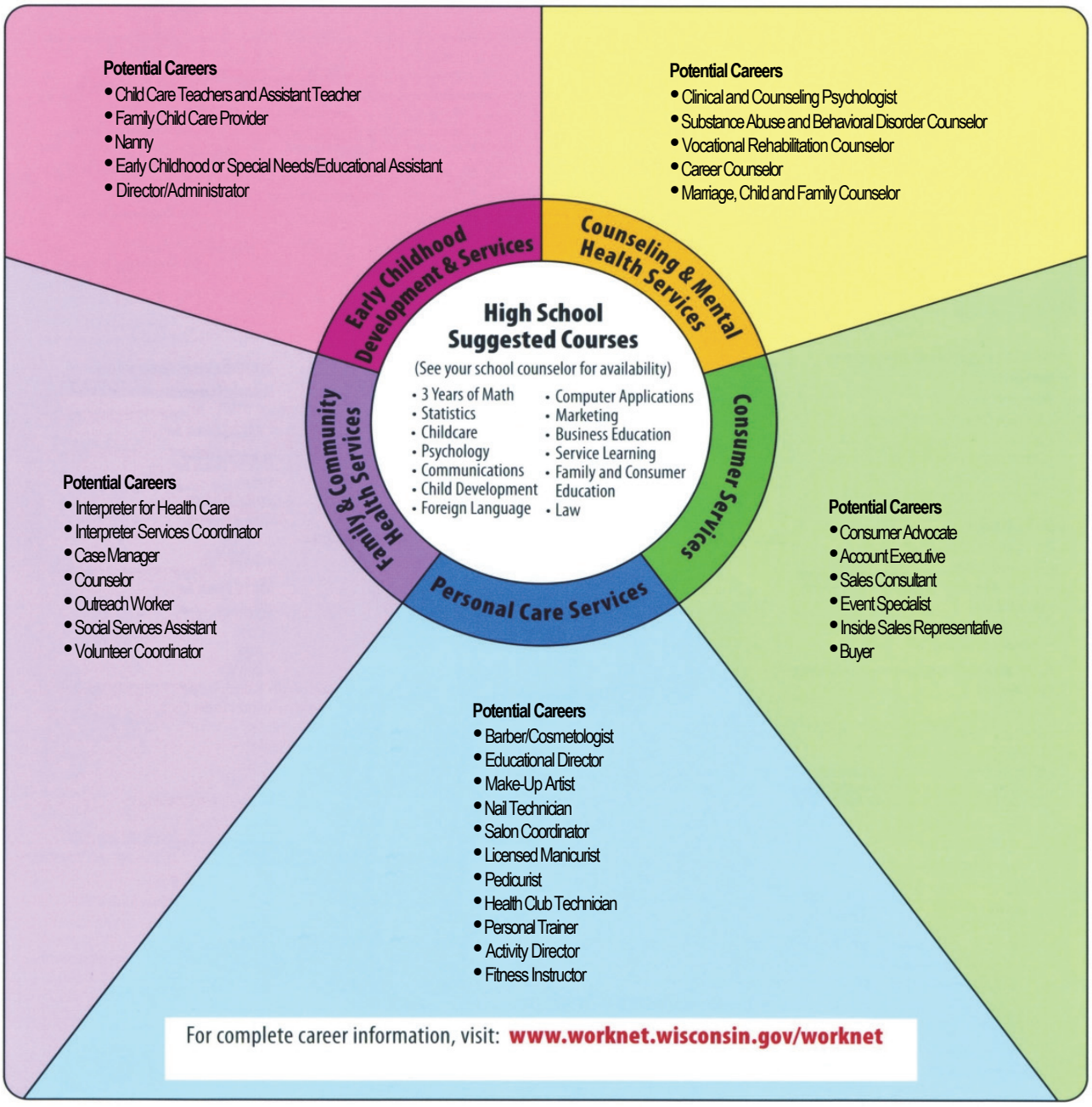
Related Elective Courses:		
Child Development	Foundations of Early Childhood	Early Childhood Internship
Creative Writing	Early Childhood Education I and II	Multimedia
Psychology	Advanced Web and Design	Public Speaking
World Languages	Chemistry	Conceptual Physics
Music Courses	Sociology	Personal Finance
Creative Writing		AP English
Biology Series Courses		Earth Series Courses

Wisconsin Technical College System www.witechcolleges.com		**College/University System** www.uwhelp.wisconsin.edu
☐ Alcohol and Other Drug ☐ Barber/Cosmetologist ☐ Child Care Services ☐ Community Development ☐ Disabilities Associate ☐ Real Estate Brokerage ☐ Massage Therapist	☐ Dietary Manager ☐ Early Childhood Ed. ☐ Funeral Service ☐ Human Services Assoc. ☐ Salon Services: Hair ☐ Salon Services: Nail	☐ Political Science ☐ Psychology ☐ Social Welfare ☐ Social Work ☐ Sociology ☐ Urban & Regional Studies

Knowledge and Skills Needed to Succeed in this Career Cluster: Academics, Communications, Problem Solving and Critical Thinking, Information Technology Application Systems, Safety, Health and Environmental, Leadership and Teamwork, Ethics and Legal Responsibilities, Employability and Career Development, and Technical Skills.

Human Services

Preparing individuals for employment in career pathways that relate to families and human needs.



Career Cluster: Information Technology

Pathway: Programming and Software Engineering

Career Clusters identify pathways from high schools to two-year and four-year technical colleges, universities, graduate schools, apprenticeship programs and the workplace so that learners can recognize the relationship between what they learn in school and what they can do in the future.

9th Grade	10th Grade	11th Grade	12th Grade
Required Core Courses	**Required Core Courses**	**Required Core Courses**	**Required Core Courses**
English 9 or Accelerated English 9	English 10	English 11	English 12
Math: Algebra I or Algebra 2 or Geometry	Math: Algebra 2 or Geometry or Math for Tech Careers 1 or Trigonometry and Advanced Topics or Pre-Calculus	Math: Algebra 2 or Geometry or Math for Tech Careers 1 or Trigonometry and Advanced Topics or Pre-Calculus or AP Calculus 1 (AB) or AP Calculus 2 (BC) or AP Statistics	Math: Algebra 2 or Geometry or Math for Tech Careers 1 or Trigonometry and Advanced Topics or Pre-Calculus or AP Calculus 1 (AB) or AP Calculus 2 (BC) or AP Statistics
Science: Physical Science or Accelerated Physical Science	Science: Ecology and Human Biology	Science: Any	Science:
Social Studies: US History	Social Studies: World History	Social Studies:	Social Studies: American Democracy

Other Required Courses for Graduation:

Physical Education 1.5 credits, Health .5 credit, Personal Finance .5 credit(graduation requirement for 2019), Elective Courses 10.0 credits

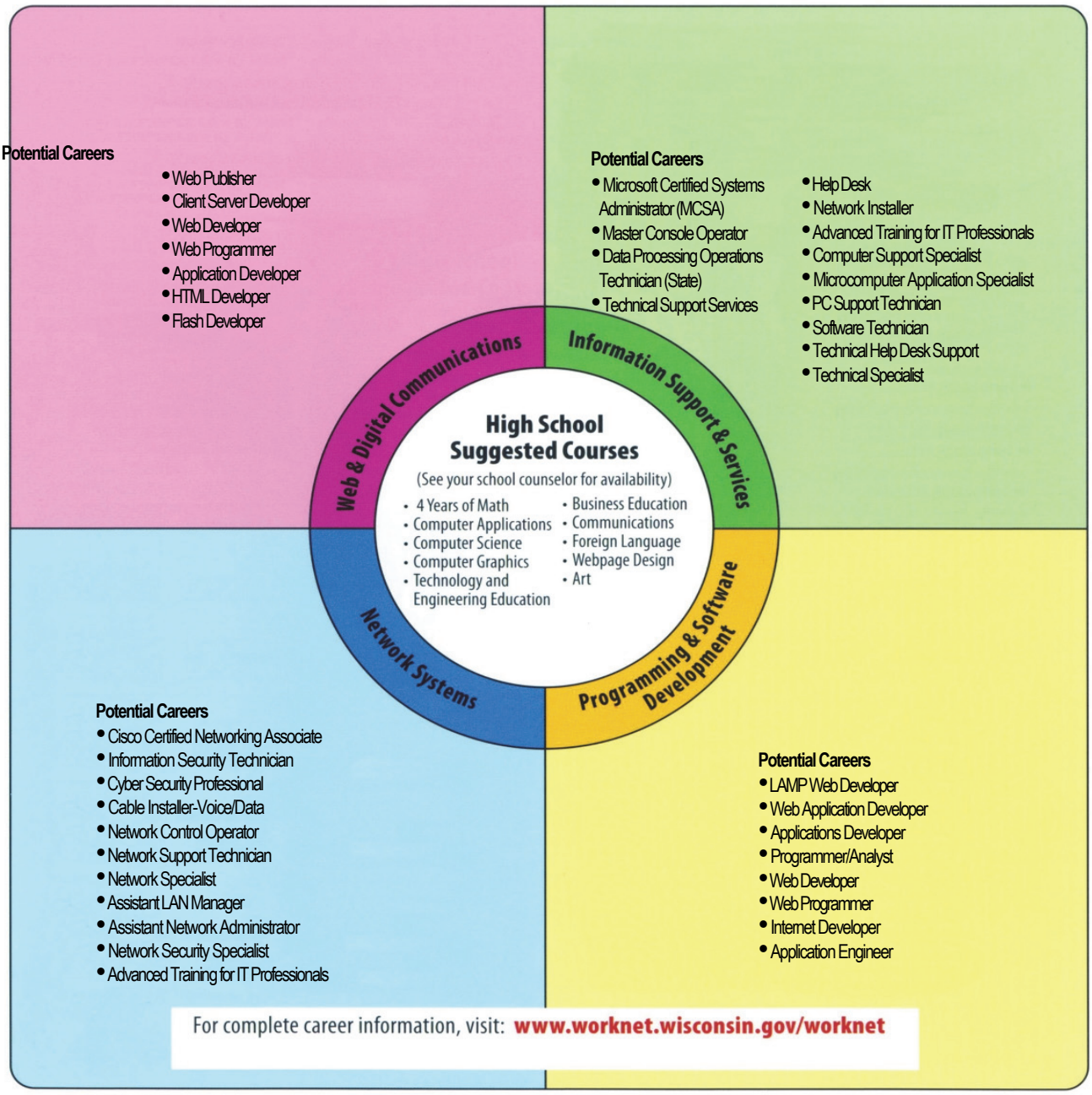
Related Elective Courses:		
Web Design and Development	Coding and App Development	IT Fundamentals
Creative Writing	Multimedia	IT Network I
Media Journalism	Psychology	IT Network II
Pre-Calculus	AP Calculus: AB and BC	Computer Art
Personal Finance	Marketing	Trigonometry
Chemistry	Conceptual Physics	World Languages
High School of Business ™		AP English

Wisconsin Technical College System www.witechcolleges.com		**College/University System** www.uwhelp.wisconsin.edu	
☐ Business & Technology	☐ User Support	☐ Business Administration	☐ Info Tech Management
☐ CIS – Computer Systems	☐ Web Analyst	☐ Computer Engineering	☐ Software Engineering
☐ Administration Specialist	☐ Web Design	☐ Computer Science	☐ Web Development
☐ CIS-Database Adm.	☐ Computer Networking	☐ Technology Education	☐ Digital Media
☐ CIS-Software Tech.	☐ Computer Hardware Tech	☐ Applied Math & Comp Sci	
☐ CIS-Micro Programmer	☐ Computerized Accounting	☐ Computer Info Systems	
☐ CIS-Micro Specialist	☐ E-Business Tech		
☐ CIS-Micro Technician	☐ E-Commerce/Web Admin.		
☐ CIS-Network Comm.	☐ Geographic Info Systems		
☐ Network Specialist	☐ Info Process Specialist		
☐ Programmer/Analyst	☐ Information Security		
☐ Tech Support Specialist			

Knowledge and Skills Needed to Succeed in this Career Cluster: Academics, Communications, Problem Solving and Critical Thinking, Information Technology Application Systems, Safety, Health and Environmental, Leadership and Teamwork, Ethics and Legal Responsibilities, Employability and Career Development, and Technical Skills.

Information Technology

Building Linkages in IT Occupations Framework: For Entry Level, Technical, and Professional Careers Related to the Design, Development, Support and Management of Hardware, Software, Multimedia, and Systems Integration Services.



Career Cluster: Law, Public Safety, Corrections and Security

Pathway: Correction, Emergency & Fire Management, Security & Protective, Law Enforcement and Legal Services

Career Clusters identify pathways from high schools to two-year and four-year technical colleges, universities, graduate schools, apprenticeship programs and the workplace so that learners can recognize the relationship between what they learn in school and what they can do in the future.

9th Grade	10th Grade	11th Grade	12th Grade
Required Core Courses	**Required Core Courses**	**Required Core Courses**	**Required Core Courses**
English 9 or Accelerated English 9	English 10	English 11	English 12
Math: Algebra I or Algebra 2 or Geometry	Math: Algebra 2 or Geometry or Math for Tech Careers 1 or Trigonometry and Advanced Topics or Pre-Calculus	Math: Algebra 2 or Geometry or Math for Tech Careers 1 or Trigonometry and Advanced Topics or Pre-Calculus or AP Calculus 1 (AB) or AP Calculus 2 (BC) or AP Statistics	Math: Algebra 2 or Geometry or Math for Tech Careers 1 or Trigonometry and Advanced Topics or Pre-Calculus or AP Calculus 1 (AB) or AP Calculus 2 (BC) or AP Statistics
Science: Physical Science or Accelerated Physical Science	Science: Ecology and Human Biology	Science: Any	Science:
Social Studies: US History	Social Studies: World History	Social Studies:	Social Studies: American Democracy

Other Required Courses for Graduation:

Physical Education 1.5 credits, Health .5 credit, Personal Finance .5 credit (graduation requirement for 2019), Elective Courses 10.0 credits

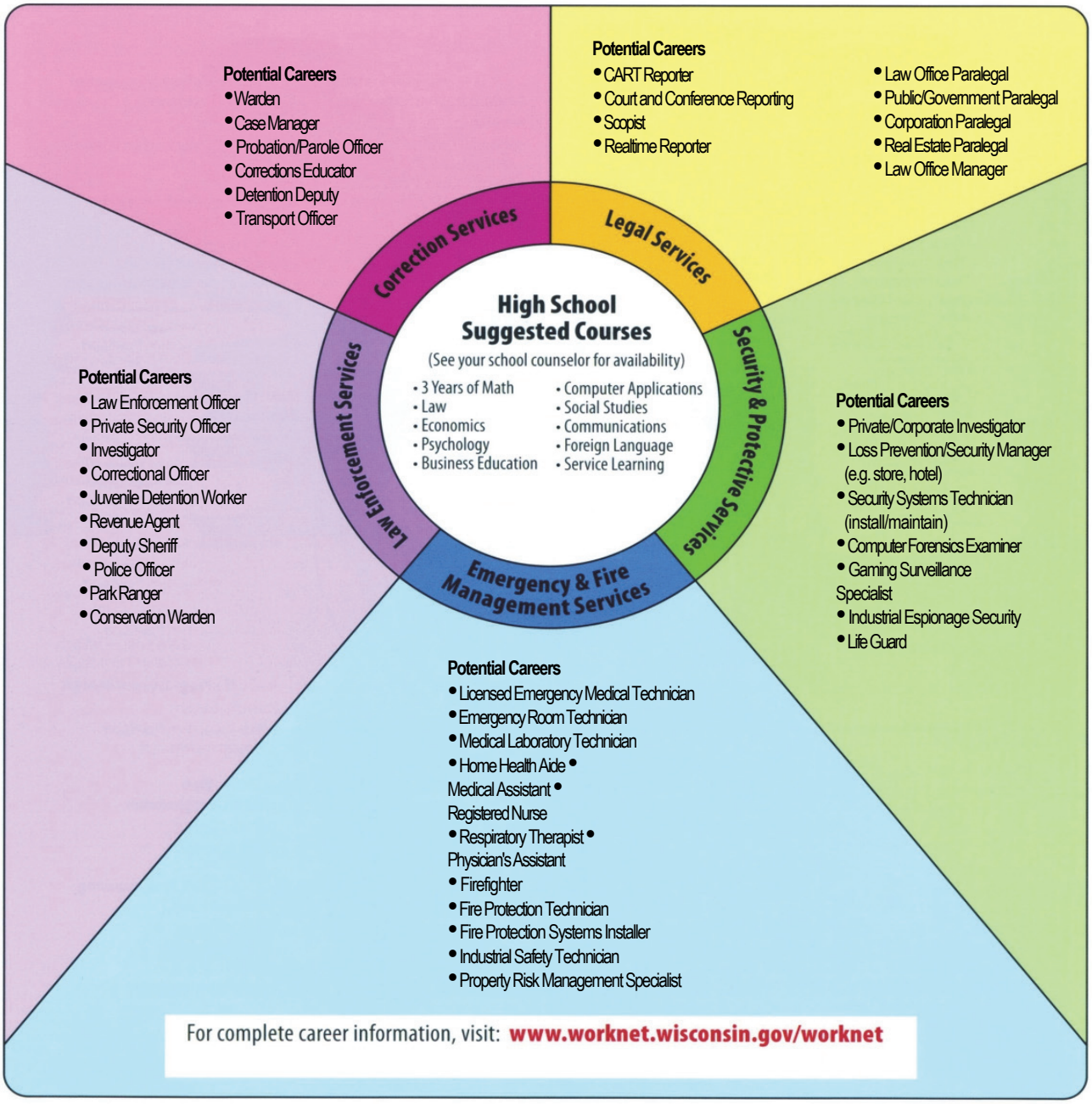
Related Elective Courses:		
AP Psychology Business and Personal Law AP English Conceptual Physics Psychology	AP US History Women's History Economics Chemistry Creative Writing	Criminal Law Public Speaking Performing Arts Sociology World Languages Personal Finance Intro to Forensic Science

Wisconsin Technical College System www.witechcolleges.com		**College/University System** www.uwhelp.wisconsin.edu	
☐ Intensive Care Paramedic ☐ CJ - Corrections ☐ CJ - aw Enforcement ☐ Emergency Med Services ☐ Hazmat Specialist	☐ Facilities Maintenance ☐ Fire Science ☐ Paramedic Technician ☐ Security Loss Prevention ☐ Pollution Control Tech	☐ Criminal Justice ☐ Environmental Law ☐ Human Studies ☐ Legal Studies ☐ Public Administration	

Knowledge and Skills Needed to Succeed in this Career Cluster: Academics, Communications, Problem Solving and Critical Thinking, Information Technology Application Systems, Safety, Health and Environmental, Leadership and Teamwork, Ethics and Legal Responsibilities, Employability and Career Development, and Technical Skills.

11 Law, Public Safety, Corrections & Security

Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.



Career Cluster: Manufacturing

Pathway: Production & Manufacturing Production Process Development

Career Clusters identify pathways from high schools to two-year and four-year technical colleges, universities, graduate schools, apprenticeship programs and the workplace so that learners can recognize the relationship between what they learn in school and what they can do in the future.

9th Grade	10th Grade	11th Grade	12th Grade
Required Core Courses	**Required Core Courses**	**Required Core Courses**	**Required Core Courses**
English 9 or Accelerated English 9	English 10	English 11	English 12
Math: Algebra I or Algebra 2 or Geometry	Math: Algebra 2 or Geometry or Math for Tech Careers 1 or Trigonometry and Advanced Topics or Pre-Calculus	Math: Algebra 2 or Geometry or Math for Tech Careers 1 or Trigonometry and Advanced Topics or Pre-Calculus or AP Calculus 1 (AB) or AP Calculus 2 (BC) or AP Statistics	Math: Algebra 2 or Geometry or Math for Tech Careers 1 or Trigonometry and Advanced Topics or Pre-Calculus or AP Calculus 1 (AB) or AP Calculus 2 (BC) or AP Statistics
Science: Physical Science or Accelerated Physical Science	Science: Ecology and Human Biology	Science: Any	Science:
Social Studies: US History	Social Studies: World History	Social Studies:	Social Studies: American Democracy

Other Required Courses for Graduation:

Physical Education 1.5 credits, Health .5 credit, Personal Finance .5 credit (graduation requirement for 2019), Elective Courses 10.0 credits

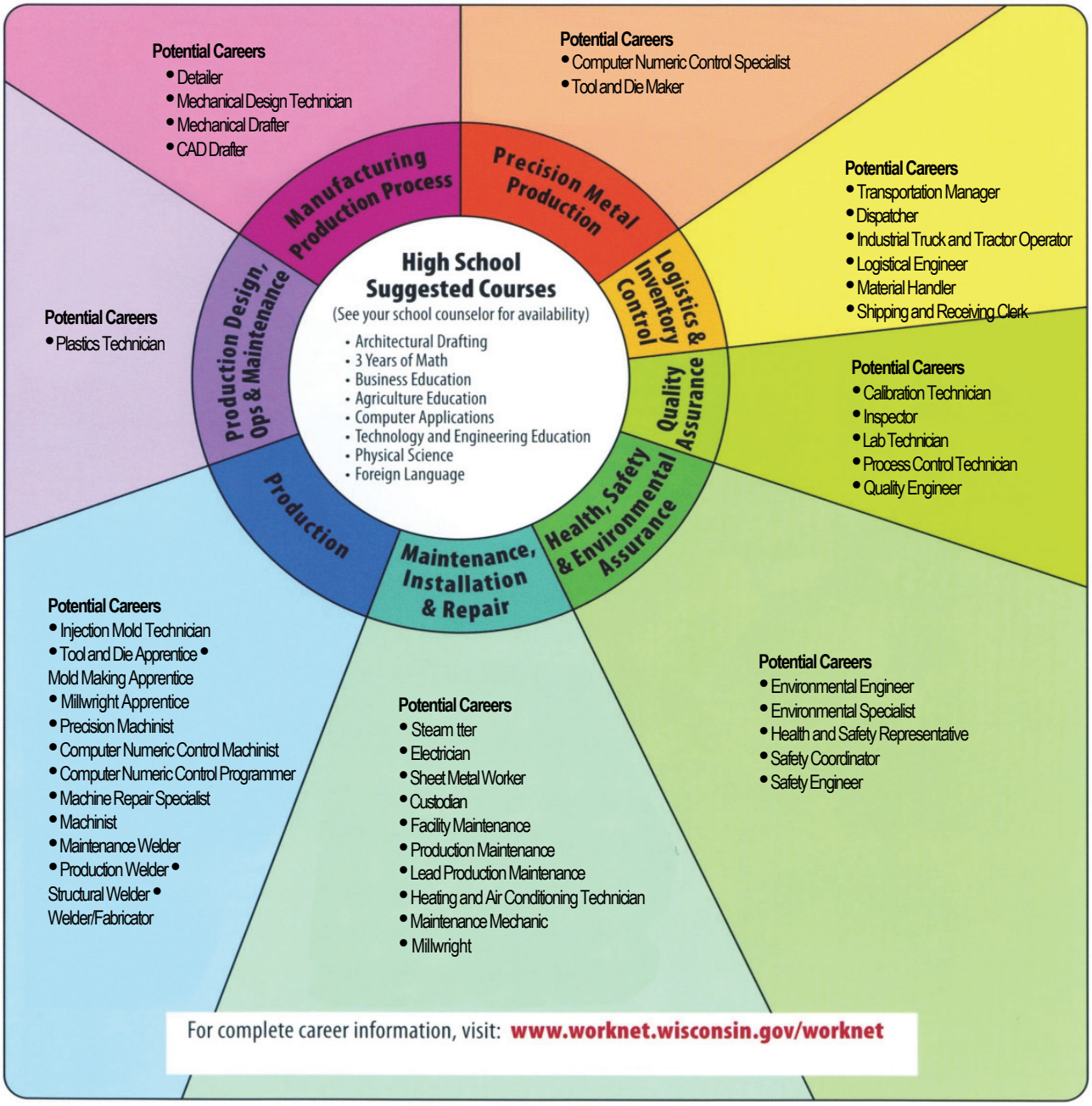
Related Elective Courses:		
Construction 1 – 4 Exploring Technology Principles of Engineering - PLTW AP English Math for Tech Careers 1 and 2 For Engineering Degrees: Trigonometry, Pre-Calculus, AP Calculus: AB and BC	Machining & CNC Operations I Machining & CNC Operations II Industrial Tech Ed Co-Op World Languages	Welding 1-3 Advanced Welding Industrial Engineering Design - PLTW Digital Electronics - PLTW Conceptual Physics Engineering Drafting Chemistry AP Environmental Science

Wisconsin Technical College System www.witechcolleges.com		**College/University System** www.uwhelp.wisconsin.edu	
☐ AC, Heat & Refrig. Tech.	☐ Electronics	☐ Machine Tool Tech.	☐ Telecomm. Tech.
☐ Appliance Technician	☐ Electronics-Computer	☐ Marine Repair Tech.	☐ Tool & Die
☐ Applied Engineer Tech.	☐ Engine Machine Tech.	☐ Materials Tech.	☐ Welding
☐ Auto. Mfg./Pack Systems	☐ Engine Technology	☐ Mechanical Design Tech.	☐ Biomedical Engineering
☐ Bio-Medical Electronics	☐ Facilities Maintenance	☐ Motorcycle Products	☐ Chemical Engineering
☐ Chemical Tech.	☐ Fluid Power Maintenance	☐ Marine Products	☐ Civil Engineering
☐ Civil Engineer Tech.	☐ Gas Utility Construction	☐ Outdoor Power Products	☐ Electrical Engineering
☐ CNC Programmer	☐ Industrial Tech.	☐ Plastics Technology	☐ Mechanical Engineering
☐ CNC Operator	☐ Engineering Tech.	☐ Power Engineering	☐ Occupational Safety
☐ CNC Technician	☐ Maintenance Tech.	☐ Boiler Operator	☐ Software Engineering
☐ Computer Aided Mfg.Tech	☐ Mechanical Tech.	☐ Power Plant Mechanics	☐ Paper Science
☐ Electrical Engineer Tech.	☐ Industrial Vehicle Tech.	☐ Quality Tech/Mgt.	☐ Manufacturing
☐ Elect. Power Eng. Tech	☐ Industrial Welding Tech.	☐ Structural Steel Detail	
☐ Electricity	☐ Instrumentation		
☐ Electro-Mechanical Tech.	☐ Jewelry Repair & Fab.		
☐ Electron Microscopy			

Knowledge and Skills Needed to Succeed in this Career Cluster: Academics, Communications, Problem Solving and Critical Thinking, Information Technology Application Systems, Safety, Health and Environmental, Leadership and Teamwork, Ethics and Legal Responsibilities, Employability and Career Development, and Technical Skills.

Manufacturing

Planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.



Career Cluster: Marketing, Sales & Service

Pathway: Marketing Communication, Marketing Management, Marketing Research, Merchandising and Professional Sales

Career Clusters identify pathways from high schools to two-year and four-year technical colleges, universities, graduate schools, apprenticeship programs and the workplace so that learners can recognize the relationship between what they learn in school and what they can do in the future.

9th Grade	10th Grade	11th Grade	12th Grade
Required Core Courses	**Required Core Courses**	**Required Core Courses**	**Required Core Courses**
English 9 or Accelerated English 9	English 10	English 11	English 12
Math: Algebra I or Algebra 2 or Geometry	Math: Algebra 2 or Geometry or Math for Tech Careers 1 or Trigonometry and Advanced Topics or Pre-Calculus	Math: Algebra 2 or Geometry or Math for Tech Careers 1 or Trigonometry and Advanced Topics or Pre-Calculus or AP Calculus 1 (AB) or AP Calculus 2 (BC) or AP Statistics	Math: Algebra 2 or Geometry or Math for Tech Careers 1 or Trigonometry and Advanced Topics or Pre-Calculus or AP Calculus 1 (AB) or AP Calculus 2 (BC) or AP Statistics
Science: Physical Science or Accelerated Physical Science	Science: Ecology and Human Biology	Science: Any	Science:
Social Studies: US History	Social Studies: World History	Social Studies:	Social Studies: American Democracy

Other Required Courses for Graduation:

Physical Education 1.5 credits, Health .5 credit, Personal Finance .5 credit (graduation requirement for 2019), Elective Courses 10.0 credits

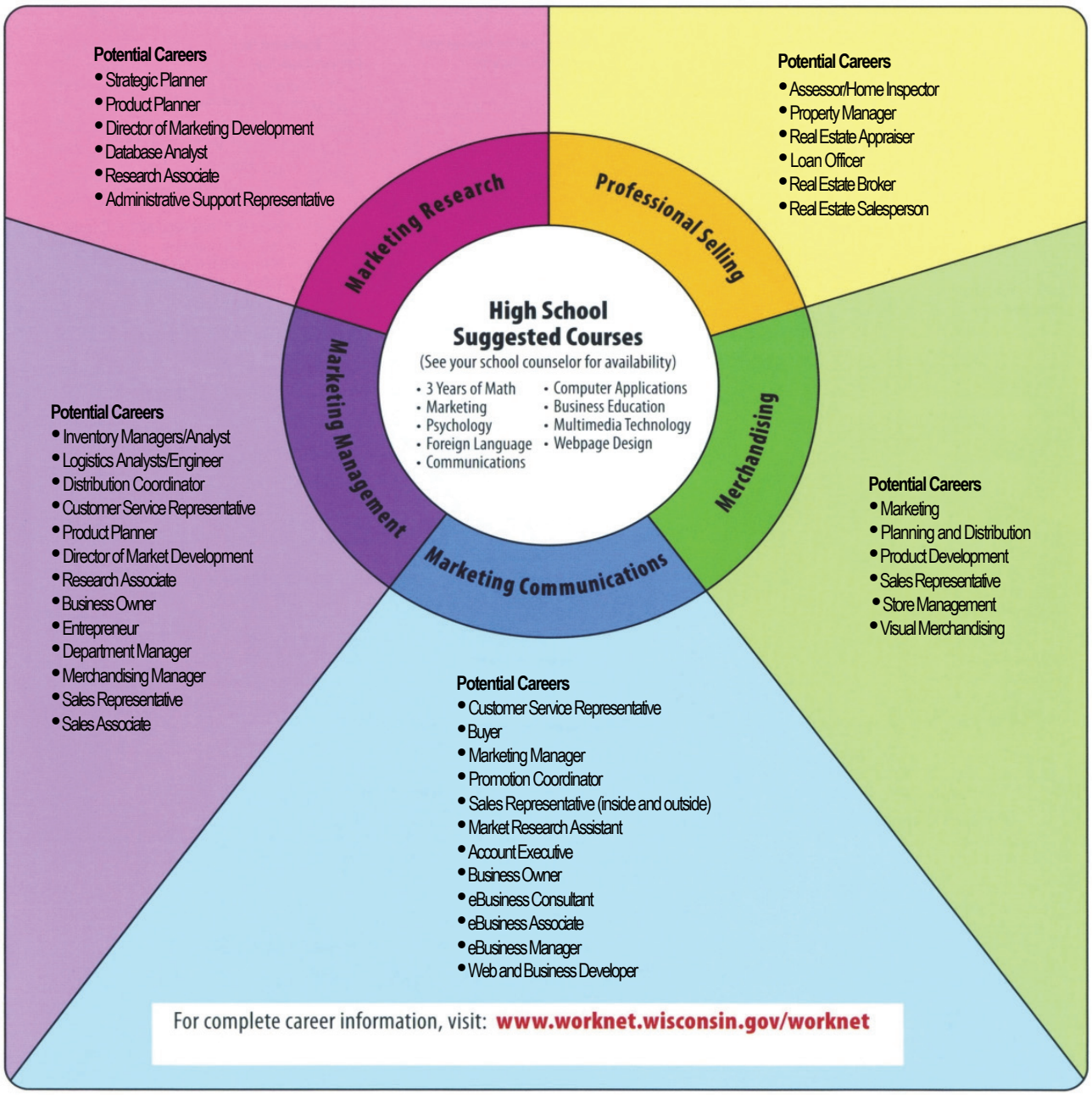
Related Elective Courses:		
Business Foundations Multi-Media Personal Finance Psychology Economics Creative Writing AP Calculus: AB and BC	Accounting Courses Web Design and Development World Languages Media Journalism Trigonometry AP Statistics High School of Business ™	Business Management Advanced Web and Design AP English Public Speaking Pre-Calculus Marketing Courses Entrepreneurship Coding and App Development

Wisconsin Technical College System www.witechcolleges.com		**College/University System** www.uwhelp.wisconsin.edu
☐ Administrative Assistant ☐ E-Commerce/Web. Admin ☐ Fashion Marketing ☐ Global Specialist ☐ Hotel Management ☐ Restaurant Management ☐ Hotel Management ☐ Hospitality Management ☐ Marketing Communication ☐ Graphic Communications	☐ Marketing ☐ Meeting Management ☐ Event Management ☐ Recreation Management ☐ Retail Management ☐ Small Business Operation ☐ Technical Comm. ☐ Travel Services ☐ Web Developer	☐ Business Administration ☐ Entrepreneurship ☐ Hotel Management ☐ Restaurant Management ☐ Marketing ☐ International Business ☐ Graphic Comm. Mgt.

Knowledge and Skills Needed to Succeed in this Career Cluster: Academics, Communications, Problem Solving and Critical Thinking, Information Technology Application Systems, Safety, Health and Environmental, Leadership and Teamwork, Ethics and Legal Responsibilities, Employability and Career Development, and Technical Skills.

Marketing

Planning, managing, and performing marketing activities to reach organizational objectives.



Career Cluster: Science, Technology, Engineering & Mathematics

Pathway: Engineering and Technology

Career Clusters identify pathways from high schools to two-year and four-year technical colleges, universities, graduate schools, apprenticeship programs and the workplace so that learners can recognize the relationship between what they learn in school and what they can do in the future.

9th Grade	10th Grade	11th Grade	12th Grade
Required Core Courses	**Required Core Courses**	**Required Core Courses**	**Required Core Courses**
English 9 or Accelerated English 9	English 10	English 11	English 12
Math: Algebra I or Algebra 2 or Geometry	Math: Algebra 2 or Geometry or Math for Tech Careers 1 or Trigonometry and Advanced Topics or Pre-Calculus	Math: Algebra 2 or Geometry or Math for Tech Careers 1 or Trigonometry and Advanced Topics or Pre-Calculus or AP Calculus 1 (AB) or AP Calculus 2 (BC) or AP Statistics	Math: Algebra 2 or Geometry or Math for Tech Careers 1 or Trigonometry and Advanced Topics or Pre-Calculus or AP Calculus 1 (AB) or AP Calculus 2 (BC) or AP Statistics
Science: Physical Science or Accelerated Physical Science	Science: Ecology and Human Biology	Science: Any	Science:
Social Studies: US History	Social Studies: World History	Social Studies:	Social Studies: American Democracy

Other Required Courses for Graduation:

Physical Education 1.5 credits, Health .5 credit, Personal Finance. 5 credit (graduation requirement for 2019), Elective Courses 10.0 credits

Related Elective Courses:		
Exploring Technology Principles of Engineering - PLTW Digital Electronics - PLTW Chemistry and SP Chemistry Biology Series Courses Conceptual Physics	Intro. to Engineering Design - PLTW Construction 1 – 4 Machining & CNC Operations 1 & 2 AP Statistics Introduction to Forensic Science Pre-Calculus AP Physics	AP Biology Earth Series Courses Trigonometry AP Calculus: AB and BC World Languages

Wisconsin Technical College System www.witechcolleges.com		**College/University System** www.uwhelp.wisconsin.edu	
☐ Power Engineering ☐ Boiler Operator ☐ Applied Engineer Tech. ☐ Bio-Med Electronics ☐ Chemical Technician ☐ Civil Engineer Tech. ☐ Electron Microscopy ☐ Electronic Engineer Tech. ☐ Industrial Engineer Tech. ☐ Graphic Communications	☐ Industrial Engineer Tech ☐ Agri-Bus/Science Tech. ☐ Biotech. Lab. Tech. ☐ Pollution Control Tech. ☐ Environmental Technician ☐ Health Physics Tech. ☐ Lab. Animal Tech. ☐ Veterinary Technician	☐ Astronomy ☐ Biochemistry ☐ Hydrogeology Chemistry ☐ Water Chemistry ☐ Civil Engineering ☐ Chemical Engineering ☐ Math-Engineering	

Knowledge and Skills Needed to Succeed in this Career Cluster: Academics, Communications, Problem Solving and Critical Thinking, Information Technology Application Systems, Safety, Health and Environmental, Leadership and Teamwork, Ethics and Legal Responsibilities, Employability and Career Development, and Technical Skills.

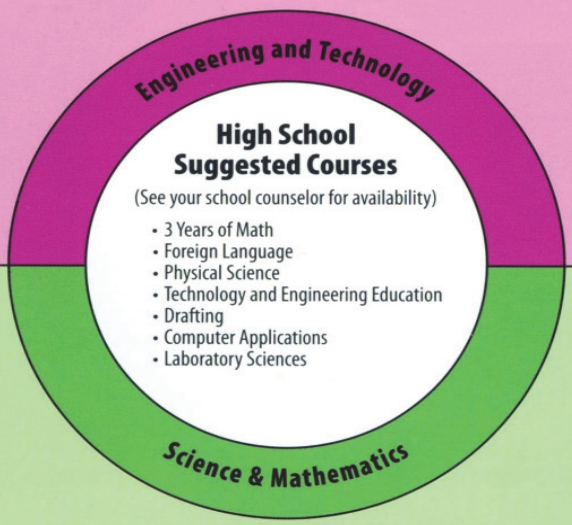
Science, Technology, Engineering & Mathematics

Planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services.

There are many science, technology, engineering, and mathematics related careers found in different clusters throughout this booklet. Please see other clusters for additional career options.

Potential Careers

- Computer Technician
- Network Technician
- Electronics Technician
- Field Service Technician
- Engineering Assistant
- Electronic Technician
- Electronic Maintenance Technician
- Integrated Circuit Microscopic and Failure Analyst
- Biological Research Electron Microscopy Technician
- Diagnostic Pathology Electron Microscopy
- Materials Research Electron Microscopy Technician
- Sales and/or Applications Representative



Potential Careers

- Applied Mathematician
- Biologist
- Ecologist
- Geneticist
- Science Teacher
- Zoologist

For complete career information, visit: **www.worknet.wisconsin.gov/worknet**

Career Cluster: Transportation, Distribution and Logistics

Pathway: Maintenance

Career Clusters identify pathways from high schools to two-year and four-year technical colleges, universities, graduate schools, apprenticeship programs and the workplace so that learners can recognize the relationship between what they learn in school and what they can do in the future.

9th Grade	10th Grade	11th Grade	12th Grade
Required Core Courses	**Required Core Courses**	**Required Core Courses**	**Required Core Courses**
English 9 or Accelerated English 9	English 10	English 11	English 12
Math: Algebra I or Algebra 2 or Geometry	Math: Algebra 2 or Geometry or Math for Tech Careers 1 or Trigonometry and Advanced Topics or Pre-Calculus	Math: Algebra 2 or Geometry or Math for Tech Careers 1 or Trigonometry and Advanced Topics or Pre-Calculus or AP Calculus 1 (AB) or AP Calculus 2 (BC) or AP Statistics	Math: Algebra 2 or Geometry or Math for Tech Careers 1 or Trigonometry and Advanced Topics or Pre-Calculus or AP Calculus 1 (AB) or AP Calculus 2 (BC) or AP Statistics
Science: Physical Science or Accelerated Physical Science	Science: Ecology and Human Biology	Science: Any	Science:
Social Studies: US History	Social Studies: World History	Social Studies:	Social Studies: American Democracy

Other Required Courses for Graduation:

Physical Education 1.5 credits, Health .5 credit, Personal Finance (graduation requirement for 2019), Elective Courses 10.0 credits

Related Elective Courses:		
Automotive Technology 1- 3 Principles of Engineering -PLTW Digital Electronics - PLTW Conceptual Physics AP Physics AP Environmental Science	Business Foundations Marketing World Languages Earth Series Courses For College Degrees: Trigonometry, Pre-Calculus, AP Calculus: AB and BC	Chemistry Personal Finance Ecology

Wisconsin Technical College System www.witechcolleges.com		**College/University System** www.uwhelp.wisconsin.edu	
☐ Aeronautics—Pilot Train ☐ Aircraft Electronics ☐ Airframe Mechanic ☐ Power Plant Mechanic. ☐ Airframe Mechanic ☐ Auto Collision Tech. ☐ Repair & Refinish Tech. ☐ Automotive Main. Tech. ☐ Automotive Technician	☐ Automotive Technology ☐ Civil Engineer Tech. ☐ Highway Technician ☐ Diesel Equipment Tech. ☐ Heavy Equip. Tech. ☐ Diesel/Power Train ☐ Diesel Equip. Mgt. ☐ Diesel Equip. Technology	☐ Air Traffic Control ☐ Aviation Operations ☐ Commercial Pilot ☐ Heavy Equipment ☐ Truck & Bus Driving ☐ Commercial Diving ☐ Under Water construction	☐ Software Engineering ☐ Transportation Mgt. ☐ Transportation Engineer ☐ Highway Engineering

Knowledge and Skills Needed to Succeed in this Career Cluster: Academics, Communications, Problem Solving and Critical Thinking, Information Technology Application Systems, Safety, Health and Environmental, Leadership and Teamwork, Ethics and Legal Responsibilities, Employability and Career Development, and Technical Skills.

Transportation, Distribution & Logistics

Planning, management, and movement of people, materials, and goods by road, pipeline, air, rail water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.

Advanced Placement

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.

AP EXAMS

AP exams are given during the month of May. Every student takes the same exam at the same time. Each exam consists of 2 sections. The first section is made up of multiple-choice questions. The other section consists of free-response questions in various formats: essays, audiotaped responses, analysis of historical documents, extended problem solving, etc.

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.

AP EXAM TIMELINE

March – Registration for AP exams and payment due

May – AP exams

July – AP exam results

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

COLLEGE CREDIT OPTIONS AND ADDITIONAL PROGRAMMING

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, transcripted 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.

High School of Business ™ (HSB)

Students in High School of Business TM will be challenged to plan, organize and implement a new business. As students work in teams through the first five required courses in the program, they will make decisions about their business. The capstone course, *Business Strategies*, will focus on the actual set-up and opening. Emphasis will be placed on how the areas of business administration (finance, marketing, management) must work together for a business to succeed. All students enrolled in High School of Business TM nationwide take online final exams at the end of each course. Students have the potential to earn college credit upon completion of all six HSB courses.

The program is designed to achieve two goals: 1. Effectively prepare students for college business programs via knowledge and skills gained in high school business and marketing education, and 2. Provide students with the skill set necessary for college and career success in the 21st Century.

For more information:
http://www.mbaresearch.org/index.php/program-development/program-designs/hsb

COLLEGE CREDITS

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

UNIVERSITY OF WISCONSIN WHITEWATER

- **PIE Computer Applications**

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

TESTING INFORMATION

The ACT, or American College Testing, is a standardized collegiate examination, similar to the Scholastic Aptitude Test (SAT). In use since 1959, it is commonly used as an indicator of academic aptitude and readiness to enter college. 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. ACT Plus Writing will be a paper and pencil test in Wisconsin for the 2015 administration.

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

Students wanting to take an additional ACT can sign up for the following dates:

2015 / 2016 Test Dates for the ACT Test are:

- September 10, 2016
- October 22, 2016
- December 10, 2016
- February 11, 2017
- April 8, 2017
- June 10, 2017

The Cost of the ACT test is $38.00 Standard and $54.50 for the Plus Writing Test. Fee waivers are available for those who qualify. Additional fees are charged for late registration and additional college choices.

For additional information on the ACT test go to www.actstudent.org

BMHS High School Code: 500-183

SAT and PSAT TESTING INFORMATION

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

SAT Reasoning Test
The SAT Reasoning Test (formerly known as SAT I) measures the critical reading, writing and mathematical abilities you'll need for academic success in the United States.

SAT Subject Tests
SAT Subject Tests (formerly known as SAT II) measures your knowledge and skills in specific subjects. Subject Tests fall into five general subject areas; English, History and Social Studies, Mathematics, Science and Languages.

Students can take up to three SAT Subject Tests on a single test date, but cannot take the SAT Reasoning Test and SAT Subject Tests during the same test administration.

The SAT Test dates fall on the first Saturday in November, December, May and June; the second Saturday in October and March; and the fourth Saturday in January.

SAT Reasoning Test - $50.00
This includes the fee to take the exam, receive scores, and have your scores sent to 4 colleges and scholarship programs of your choice. You will have until midnight, nine days following the test date, to select the 4 colleges you would like your scores sent to. After that, you will have to pay for each score report. You will receive an official score report sent to you.

SAT Subject Test basic registration fee - $23.00
Language Tests with Listening - an additional $23.00
All other Subject Tests - an additional $12.00 our mailing address and you can retrieve your scores early online.

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.

The PSAT/NMSQT measures:

- Critical reading skills
- Math problem-solving skills
- Writing skills

The most common reasons for taking the PSAT/NMSQT are to:

- Receive feedback on your strengths and weaknesses on skills necessary for college study. You can then focus your preparation on those areas that could most benefit from additional study or practice.
- See how your performance on an admissions test might compare with that of others applying to college.
- Enter the competition for scholarships from NMSC (grade 11 only).
- Help prepare for the SAT. You can become familiar with the types of questions and the exact directions you will see on the SAT.

Students in grades 9-11 are encouraged to take the PSAT offered at Beloit Memorial High School when it is offered in October. The PSAT is only offered at BMHS once a year on either a Wednesday or Saturday. The dates are predetermined by Collegeboard. For additional information on the PSAT/SAT go to www.collegeboard.org

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	
Metal & Glass Crafts (I0025)	X	X	X	X	0.5	3-D Art
Ceramics & Pottery (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
Fiber Arts (I0040)	X	X	X	X	0.5	
Painting (I0045)		X	X	X	0.5	2-D Art
Printmaking (I0050)		X	X	X	0.5	2-D Art
Digital Art 1 (I0053)		X	X	X	0.5	2-D Art
Digital Art 2 (I0054)		X	X	X	0.5	Digital Art 1
Introduction to Graphic Art (I3002)	X	X	X	X	0.5	2-D Art
Community Art Appreciation (I0055)	X	X	X	X	0.5	
AP Studio (I4000)			X	X	*2.0	Three prior courses within either 2-D or 3-D Track
AP Art History (I4003)		X	X	X	*1.5	

2-D ART (I0010) **.5 credit**
Grades: 9, 10, 11, 12
Content: An introductory art & design course that is a pre-requisite course for Drawing, Painting, Printmaking, Digital Art 1 & Intro to Graphics. Students will explore 2-dimensional art & design problems through drawing, painting, printmaking, collage & digital art. Creativity, craftsmanship, and the use of the Elements of Art & Principles of Design are emphasized.

3-D ART (I0020) **.5 credit**
Grades: 9, 10, 11, 12
Content: An introductory 3-D art & design course that is a pre-requisite for Sculpture, Metal and Glass Crafts & Ceramics. This course will introduce basic 3-dimensional processes & materials, as well as develop the student's ability to analyze form & space relationships. Paper mache, clay, plaster, wire, metal & paper are some materials that may be used. Creativity and good craftsmanship are emphasized.

METAL & GLASS CRAFTS (I0025) **.5 credit**
Grades: 9, 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 & POTTERY (I0031) **.5 credit**
Grades: 10, 11, 12
Prerequisite: 3-D Art
Content: This course offers students experiences working with clay, making functional and sculptural pieces, using a variety of building techniques. Well thought out forms, designs and functional uses, along with creativity and good craftsmanship are emphasized.

SCULPTURE (I0032) **.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.

DRAWING (I0035) **.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) **.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.

FIBER ARTS (I0040) **.5 credit**
Grades: 9, 10, 11, 12
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.

PAINTING (I0045) **.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.

PRINTMAKING (I0050) **.5 credit**
Grades: 10, 11, 12
Prerequisite: 2-D Art
Content: Printmaking is an art form where the artist can make multiple "prints" by creating an original design 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. Students will investigate the various processes of printmaking, such a relief (woodcut or linocut), intaglio/etching, stencil/silkscreen, monotype, and calligraphy.

DIGITAL ART 1 (I0053) **.5 credit**
Grades: 10, 11, 12
Prerequisite: 2-D Art (Drawing and Painting are beneficial, but not required
Content: Students will use computers to create fine art, through an introduction to Adobe Photoshop and iPad art applications. Use of a digital camera, scanner, and the internet will aid in the creation process. Also, drawing skills are beneficial for drawing on iPads & creating designs on paper to scan and use for the basis of creating digital paintings & illustrations. A stylus is recommended for drawing on the iPad.

DIGITAL ART 2 (I0054) **.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.

INTRODUCTION TO GRAPHIC ART (I3002)
Grades: 9,10,11,12 **.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.

COMMUNITY ART APPRECIATION (I0055)
Grades 9, 10, 11, 12 **.5 credit**
Content: Students in this course will learn to appreciate street art and museum art as they apply the concepts and methods of famous artists to their own creations. Museum / gallery artists will be studied alongside street artists. Students will work alone and in groups bringing art to the community. Student need to be willing to work on group projects for this course.

AP STUDIO (I4000) **2.0 credits**
Grades: 11, 12
Prerequisite: Recommended 3 prior courses either within the 2-D or the 3-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 must choose to create a body of work that is 2 dimensional (22 -24 drawings) or 3 dimensional (12 -16 sculptures). New methods and materials will be explored. Four hours of homework each week is required as the quantity of work can not be accomplished during the class period alone.
Includes: AP Drawing, AP 2-D Design, and AP 3-D Design
Fee: 100% of Advanced Placement portfolio evaluation fee. No written exam.

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.

BLACKHAWK TECHNICAL COLLEGE (BTC) COURSES

TAUGHT AT BMHS BY BTC FACULTY

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	Prerequisite (Co-requisite denoted "Co")
	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) .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 .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) .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 Foundations (F1000)	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
Entrepreneurship (F3009)			X	X	0.5	Recommended C or better in Business Foundations
Business & Personal Law (F3010)			X	X	0.5	
Business Publications (F3016)	X	X	X	X	1	
Business Management (F3011)		X	X	X	0.5	Recommended C or better in Business Foundations
Sports and Entertainment Management (F3018)			X	X	0.5	Recommended C or better in Marketing 1 or Multimedia or Business Foundations or Accounting
Personal Finance (F3012)		X	X	X	0.5	Required for Class of 2019
Advanced Business (F4002)			X	X	1	Multimedia, or Advanced Accounting or Personal Finance or International Business or Business Management or Accounting or Advanced Marketing. Co-requisite: Business Internship
Business Internship (F4003)			X	X	2	Co-requisite: Advanced Business
Intro to Marketing (F3007)		X	X	X	1	
Advanced Marketing (F4007)			X	X	1	Recommended C or better in Marketing 1
Computer Applications (F1004)	X	X	X	X	0.5	

BUSINESS / COMPUTER EDUCATION DEPARTMENT

Course Title	Grades Permitted to Enroll				Credit	Prerequisite (Co-requisite denoted "Co")
	9	10	11	12		
Multimedia (F3021)		X	X	X	1	Recommended C or better Computer Applications
Web Design & Development (F1006)	X	X	X	X	0.5	Recommended C or better in Computer Applications
Introduction to Coding & App Dev. (F3022)		X	X	X	1	Recommended C or better in Algebra 1
PIE Computer Applications (UW Whitewater Course) (F3015)			X	X	1	
High **S**chool of **B**usiness HSB Principles of Business (F4010)		X	X		1	Only open to 10th and 11th grade for the 2016-17 school year.
HSB Business Economics (F4020)		X	X		1	Only open to 10th and 11th grade for the 2016-17 school year.
HSB Principles of Marketing (F4030)						Not Offered 2016-17
HSB Principals of Finance (F4040)						Not Offered 2016-17
HSB Principals of Management (F4050)						Not Offered 2016-17
HSB Business Strategies (F4060)						Not Offered 2016-17

BUSINESS FOUNDATIONS (F1000)
Grades: 9, 10, 11, 12 1.0 credit
This is a BTC 3 credit transcripted 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 "transcripted class" means that the student can receive 3 credits at Blackhawk Technical College for successful completion of the course with a C or better.

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.

ENTREPRENEURSHIP (F3009) .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) .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.

BUSINESS PUBLICATIONS (F3016) 1.0 credit
Grades: 9, 10, 11, 12
Content: This is a year-long (4 terms) course that will produce and sell the BMHS yearbook, The Beloiter. 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.

BUSINESS MANAGEMENT (F3011) .5 credit
Grades: 10, 11, 12
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.

SPORTS AND ENTERTAINMENT MANAGEMENT (F3018) .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.

PERSONAL FINANCE (F3012) .5 credit
Grades: 10, 11, 12
Content: Required for Class of 2016. 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 care; 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.

Intro to Marketing (F3007) 1.0 credit
Grades: 10, 11, 12
Content: Students in Marketing 1 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. Marketing 1 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
Prerequisite: Recommended C or better in Marketing 1
Content: Students in Advanced Marketing will use many of the skills learned in Marketing 1 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.

COMPUTER APPLICATIONS (F1004) .5 credit
Grades: 9, 10, 11, 12
Content: This course is designed to offer students the opportunity to earn MOS Certification. Students will learn Microsoft Office including Word, Excel, and PowerPoint in order to create a wide variety of documents for school, college, work, and personal use. 80% of the workforce utilizes computer skills, thus students who complete this course, take the MOS exam and receive the MOS certification will be able to show colleges, businesses and employers that they have successfully gained the MS Office proficiencies.

MULTIMEDIA (F3021) **1.0 credit**
Grades: 10, 11, 12
Prerequisite: Recommended C or better in Computer Applications.
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 the Adobe CS6 environment and the Microsoft Office 2013 environment (including Word, Excel, PowerPoint and Access). In addition to Adobe and MS Office students will also engage in the use of iMovie, sound-mixing audiofiles and understand the functionality of integrating iPad applications into personal and professional environments.

WEB DESIGN & DEVELOPMENT (F1006)
Grades: 9, 10, 11, 12 **.5 credit**
Prerequisite: Recommended C or better in Computer Applications.
Content: This course is designed to introduce students to various skills, methods, and techniques related to basic and more complex web design including HTML & CSS language, Notepad ++ and internet based web site software. Students must have a USB drive.

INTRODUCTION TO CODING AND APP DEVELOPMENT (F3022)
Grades: 10, 11, 12 **1.0 Credit**
Prerequisite: Recommended C or better in Algebra 1
Content: An understanding of computer science is essential in today's world. There are over one million coding jobs that will be available in the next ten years. Using Scratch, Codeacademy.org, Khanacademy.org, Code.org, and more, this course will teach the basics of coding. This will also teach you logical reasoning, elementary coding techniques and problem solving skills. You will design and write several computer programs and apps incorporating memory usage, decision structures, looping, object design and the interaction of objects.

DIGITAL GAME ANIMATION & DESIGN (F3023)
NOT OFFERED 2016-17. RECOMMENDED STUDENTS SIGN-UP FOR PLTW COMPUTER SCIENCE AS A REPLACEMENT.
Grades: 10, 11, 12 **1.0 Credit**
Content: In this course you will learn digital game animation and design using a comprehensive creative computer software program. Within the class you will learn different aspects of animation, modeling, simulation, rendering, and compositing. We will focus on both the design and technical aspects of creating a game, from concept inception and prototyping through play-testing. You will also become competent in technical writing, user instructions, troubleshooting, collaboration and basic physics/mathematical concepts. Flash Drive is required.

ADVANCED DIGITAL GAME ANIMATION & DESIGN (F3013)
NOT OFFERED 2016-17. RECOMMENDED STUDENTS SIGN-UP FOR PLTW COMPUTER SCIENCE AS A REPLACEMENT.
Grades: 10, 11, 12 **1.0 Credit**
Prerequisite: Digital Game Animation & Design
Content: In this course students will learn all aspects of the Autodesk Maya software. Students will create scenes, backgrounds, 3D visualization and animation skills with the same technology that is used by professionals in the media and entertainment industry.

UNIVERSITY OF WISCONSIN WHITEWATER

PIE COMPUTER APPLICATIONS (F3015)
(UW-Whitewater Course)
Grades: 11, 12 **1.0 Credit**
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 in 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.

HSB PRINCIPLES OF BUSINESS (F4010)
NEW FOR 2016-17
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 your eyes to the world of business. During the course you will be introduced to some of the major areas of business administration (marketing, management, and finance) through fun, real world projects.

HSB BUSINESS ECONOMICS (F4020)
NEW FOR 2016-17
Grades: 10, 11, 12 **1.0 Credit**
Prerequisite: None
Content: Ever thought about the choices that the Three Little Pigs made from an economic perspective? In Business Economics, you will consider how decisions (such as work vs. play or sticks vs. straw) affect businesses and individuals in the short and long term. You will also conduct research and examine business problems as you learn about microeconomic, macroeconomic and international economic concepts.

HSB PRINCIPLES OF MARKETING (F4030)
FUTURE COURSE NOT OFFERED 2016-17
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 you will get inside marketers' heads and find out what makes them tick. Projects in the course will challenge you to analyze the business world around you, work through key marketing decisions such as pricing and product image, and use your knowledge to develop a marketing strategy.

HSB PRINCIPLES OF FINANCE (F4040)
FUTURE COURSE NOT OFFERED 2016-17
Grades: 10, 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, you 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 hands-on experience (and fun!) in this important area of business.

HSB PRINCIPLES OF MANAGEMENT (F4050)
FUTURE COURSE NOT OFFERED 2016-17
Grades: 11, 12 **1.0 Credit**
Prerequisite: Principles of Business, Business Economics
Content: Get an up-close look at managing. You'll 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 you conquer problems in the different areas of management, including human resources management, risk management, project management, and knowledge management.

HSB BUSINESS STRATEGIES (F4060)
FUTURE COURSE NOT OFFERED 2016-17
Grades: 11, 12 **1.0 Credit**
Prerequisite: Principles of Business, Business Economics, Principles of Marketing, Principles of Finance, and Principles of Management
Content: Here's where it all comes together. In this course you will run your own business. Using the smarts gained in previous High School of Business TM courses, you'll start by writing a real business plan. Then you'll put that plan to action by opening and operating a business. You 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 you'll find out how the areas of a company (marketing, finance, management, etc.) work together.

ENGLISH /LANGUAGE ART

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	
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	
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	1	Placement by Reading Specialists
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 11th grade English credit
English 12: Women Writers (B1047)				X	1	Recommended B or better in English 11 or Accelerated English 11 or Advanced Placement 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	1	Proficiency Determined
ELL 2 (B1120)	X	X	X	X	1	Proficiency Determined

ENGLISH 9 (B1010F) **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 (B1015F) **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 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 experience 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 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 experience 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.

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 apre-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 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 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, 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.

ALIGNED ENGLISH
(FUNDAMENTALS – B0013F, LEVEL A – B0013A, AND LEVEL B – B0013B)
GRADES 9, 10, 11, 12 1.0 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, designed to help students value the power of reading and writing, increase motivation to engage in text, and acquire the skills and processes for success in high school and beyond.

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, 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.

ALIGNED SPRINGBOARD (B01311/B01312)
GRADES: 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 (Reading, Writing, Speaking, Listening) 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.

ENGLISH 12: WOMEN WRITERS (B1047)
Grade: 12 1.0 credit
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 AP Lit. exam.

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 .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) .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)
****WILL <u>NOT</u> BE OFFERED IN 2015-2016**
Grades: 10, 11, 12 .5 credit
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) .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 is 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.)

ELL 1 (ENGLISH LANGUAGE LEARNERS) (B1110) 1.0 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) 1.0 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.

FAMILY AND CONSUMER SCIENCES DEPARTMENT

Course Title	Grades Permitted to Enroll				Credit	Prerequisite (Co-requisite denoted "Co")
	9	10	11	12		
Food Science (G0383)		X	X	X	0.5	Recommended C or better in Physical Science (ELECTIVE SCIENCE CREDIT)
Personal Finance (F3012)		X	X	X	0.5	Graduation Requirement for 2016
Health Careers & Occupations (G0282)	X	X	X	X	0.5	
Housing & Interior Design (G0242)	X	X	X	X	0.5	
Foods & Cultures (G0272)	X	X	X	X	0.5	
Child Development (G0292)		X	X	X	0.5	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 & Health (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. (Pre) Early Childhood Education III & Health Care (Co)
Health Care Internship (G0464)				X	2	Health Careers (Pre) Early Childhood Education III & Health Care (Co)
Hospitality Services I (G0323)	X	X	X	X	0.5	
Hospitality Services II (G0353)			X		1	Hospitality I Transcripted Credit BTC
Hospitality Services III and Community Service (G0474)				X	1	Hospitality Services II or any Family and Consumer Education (F/CS)course
Hospitality Internship (G0484)				X	2	Hospitality Services II (Pre) Hospitality Services III and Community Service (Co)
Community Service Internship (G0494)				X	2	Any F/CS course (Pre) Hospitality Services III and Community Service (Co)

FOOD SCIENCE (G0383) .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 you about functional components of foods, food safety, nutrition, sensory evaluation, quality assurance, new product development, food chemistry, food processing, engineering, and much more. Through an active, hands-on laboratory experience, 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.

PERSONAL FINANCE (F3012) .5 credit
Grades: 10, 11, 12 Required for graduation.
Content: This course is designed to teach students how everyday life situations, decisions, and economic conditions affect personal financial stability. Utilizing everyday applications of simple math concepts, students will learn how to: compare wages, calculate paychecks and payroll taxes, delve into many common banking services/products, budgeting, investing, purchasing and financing a home and transportation, insurances, taxes, and much more. A simple four-function calculator will be used. +, -, x, / has never been so practical.

HEALTH CAREERS AND OCCUPATIONS (G0282) .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.

HOUSING AND INTERIOR DESIGN (G0242)
Grades: 9, 10, 11, 12 .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.

FOODS AND CULTURES (G0272) .5 credit
Grades: 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

CHILD DEVELOPMENT (G0292)
Grades: 10, 11, 12 .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 transcripted credit in BTC's Associate Degree program for Early Childhood Education.

EARLY CHILDHOOD EDUCATION I (G0333)

Grades: 11, 12 **.5 credit**

Content: Students will gain knowledge necessary for a career working with young children and could earn transcripted 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 **.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 transcripted 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 INTERSHIP (G0454) **2.0 credits**

Grade: 12

APPLICATIONS MUST BE SUBMITTED TO INSTRUCTOR FOR APPROVAL

Prerequisite: Early Childhood Education I

Corequisites: 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.

HOSPITALITY SERVICES I (G0323) **.5 credit**

Grades: 10, 11, 12

Content: This class introduces students to**1.0 cre**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

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.

FOUNDATIONS OF EARLY CHILDHOOD EDUCATION (G0345)
Grades: 11, 12 **0.5 credits**

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 transcripted 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.

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	0.5	
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) **.5 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		
Extended Pre-Algebra (C1040)	X				2	Placement by Department Chair & Math Interventionist
Pre-Algebra (C1055)	X				1	Placement by Department Chair & Math Interventionist
Extended Algebra (C1052)	X				2	Placement by Department Chair & Math Interventionist
Algebra 1 (C1050)	X				1	
Geometry (C1084)	X	X	X	X	1	Recommended C or better in Algebra 1
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
Probability and Statistics (C1010)						
Algebra 2 (C1060)	X	X	X	X	1	Recommended C or better in Algebra 1 and Geometry
AP Mathematics: Statistics (C1020)			X	X	1.5	Recommended C or better in Algebra 2
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 and 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 (AB/BC) (C2015)			X	X	2	Recommended C or better in Trigonometry and/or Advanced Topics or Pre-Calculus
Introduction to Computer Science (F3025) PLTW **New*		X	X	X	1	Recommended C or better in Algebra 1
Computer Science & Software Engineering (F3024) PLTW/MSOE		X	X	X	1	High level math skills are recommended

*Student who are enrolled in Extended-Pre-Algebra, Extended Algebra, & Extended Geometry will receive 2 credits. One credits as a math credit and one credit as an elective.

EXTENDED PRE-ALGEBRA (C1040) 2.0 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 freshman 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 it will focus on providing students with the opportunity to learn the foundational skills necessary for success in Algebra. Students in this course will develop a conceptual understanding of the operations of addition, subtraction, multiplication and division as related to whole numbers, fractions, decimals, integers, and rational numbers. Student will develop fluency with each operation within each set of numbers.

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.

EXTENDED ALGEBRA (C1052) 2.0 credit
Grades: 9
Prerequisite: Placement by Department Chair & Math Interventionist.
Content: In addition to the requirements of regular Algebra, students in the extended algebra class will be offered the opportunity of a more hands-on, manipulative driven class experience. Extra time is allotted for more practice of skills and additional projects are integrated into the existing curriculum. Students also receive mini-lessons on review material to assist in bridging any gaps that may exist in their mathematics background.

ALGEBRA 1 (C1050) 1.0 credit
Grade: 9
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.

BTC: MATHEMATICS FOR TECHNICAL CAREERS 1 (C1093) .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) 

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.
Objectives include; 1) performing operations with signed numbers, 2) evaluating algebraic expressions and formulas, 3) using arithmetic operations to manipulate and simplify algebraic expressions, 4) solving linear equations in one variable, 5) converting between regular (decimal) notation and scientific notation, 7) calculating volumes and lateral surface areas of solids and frustums, 8) using trigonometry to solve right triangles, and 9) using trigonometry to solve oblique triangles.

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.

Probability and Statistics (C1010) 1.0 credit
Grades: 9, 10, 11, 12
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.

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 was a struggle.)
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 or Pre-Calculus
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 (AB/BC) (C2015) Up to 2.0 credit
Grades: 11, 12 (2 Period Course)
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.

COMPUTER SCIENCE AND SOFTWARE (F3024)
Grades: 10, 11, 12 **0.5 credit**
Prerequisite: Higher level math recommended.
Content: PLTW Engineering (CSE, 1 year) CSE 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 Introduction to Computer Science. CSE 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.

INTRODUCTION TO COMPUTER SCIENCE

(F3025)
Grades: 10, 11, 12 **0.5 credits**
Prerequisite: C or better in Algebra I
Content: PLTW Designed to be the first computer science course for students who have never programmed before, ICS 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.

PERFORMING ARTS DEPARTMENT

Course Title	Grades Permitted to Enroll				Credit	Prerequisite (Co-requisite denoted "Co")
	9	10	11	12		
String Ensemble (L0040)	X				1	Prior Experience or Placement Audition
Beginning Orchestra (L0041)	X	X	X	X	1	
Symphony Orchestra (L0042)		X	X	X	1	String Ensemble or Placement Audition
Cadet Band (L0028)	X	X	X	X	0.5	Placement Audition
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	1	Placement Audition
Jazz Band II (L0038)	X	X	X	X	1	Placement Audition
Jazz Improvisation (L0039)		X	X	X	0.5	Prior musical experience required
AP Music Theory (L0064)		X	X	X	1	Placement Exam
Men's Chorus (L0049)	X	X	X	X	1	
Treble Choir (Women) (L0050)	X				1	
Women's Chorus (L0053)	X	X	X	X	1	
Varsity Women's Choir (L0053)		X	X	X	1	Prior Experience and/or Vocal Audition
Concert Choir (L0055)		X	X	X	1	Vocal Audition
Knight Choir (L0057)	X	X	X	X	0.5	
Music Composition using Technology (L0062)	X	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
Theatre Arts (L1090)		X	X	X	1	
Theatre Crafts (L1095)			X	X	1	

STRING ENSEMBLE (L0040) 1.0 credit
Grade: 9
Prerequisite: Experience in Orchestra and/or permission of instructor after performance audition.
Content: String Ensemble is a performing organization. Students perform with the Symphony Orchestra in concerts. Required performances include: Fall, Winter and Spring Concerts, Coronation Assembly, local solo and ensemble festival and others to be determined. Many performances are scheduled outside of school time. Students are required to attend scheduled lessons each term. Every student is expected to prepare and perform a solo**. Students are responsible for the maintenance of their own instrument.**

BEGINNING ORCHESTRA (L0041) 1.0 credit
Grade: 9, 10, 11, 12
Content: This course is designed for any music student wishing to learn to play an orchestra instrument (violin, viola, cello, or bass) or an string student wishing to learn a second 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.**

SYMPHONY ORCHESTRA (L0042) 1.0 credit
Grades: 10, 11, 12
Prerequisite: String Ensemble and/or permission of instructor after performance audition.
Content: Orchestra is a performing organization. Required performances include: Fall, Winter, and Spring Concerts, Coronation assembly, local solo and ensemble festival, and numerous other performances as determined by instructor. Many 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 responsible for the maintenance of their own instrument.**

CADET BAND (L0028)
Grade: 9, 10, 11, 12 .5 credit
Prerequisite: Placement Audition. Auditions are held in the Spring of the previous year.
Content: The Cadet Band is our entry-level performing ensemble, performing Class C / Grade 2-3 level literature. This class is designed for students who are less experienced or may need more attention devoted to fundamental musical skills (reading music, tone production, etc.) 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.**

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 Concert Band 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 & 2 (L0037 & 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.

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 IMPROVISATON (L0039) .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.

ADVANCED PLACEMENT MUSIC THEORY (L0064) 1.0 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.

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.

WOMEN CHORUS (L0053) **1.0 credit**
Grades: 9,10,11,12 Women
Prerequisite: No experience required.
Content: This course is designed for grade 10-12 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.

VARSITY WOMEN'S CHOIR (L0053) **1.0 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. Treble 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) **1.0 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) **.5 credit**
Grades: 10, 11, 12 Men and Women
Prerequisite: See Choir Director if interested.
Content: This course is designed for grade 9 – 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. Must 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 USING TECHNOLOGY (L0062) **.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.

PERFORMING ARTS (L1080) **.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) **.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. **All freshmen should enroll in Physical Education 9.**

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.

Course Title	Grades Permitted to Enroll				Credit	Prerequisite (Co-requisite denoted "Co")
	9	10	11	12		
Physical Education 9 (J0030)	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
High School Officiating (J0052)			X	X	0.5	Successful completion of 1.5 physical education credits
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
Outdoor Adventure (J0050)				X	0.5	Successful completion of 1.5 physical education credits and an ability to swim
Health (J0055)	X	X	X	X	0.5	Required for freshmen. If not previously taken, 10-12 grade students may enroll.
Advanced Health and Wellness (J0056)			X	X	0.5	Health

PHYSICAL EDUCATION 9 (J0030) **.5 credit**
Grade: 9
Note: Students shall provide their own Physical Education attire, including a swim suit, and students must use a padlock, which must be purchased from BMHS.
Content: The course concentrates on improving cardiovascular fitness as well as introducing the student to a wide variety of physical activities. Individual, dual, and team activities are offered with lifetime sports 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 **.5 credit**
Note: Students shall provide their own Physical Education attire, including a swim suit, and students must use a padlock, which must be purchased at BMHS.
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 fitness and activities will be emphasized.

INDIVIDUAL & DUAL ACTIVITIES (J0042)
Grades: 10, 11, 12 **.5 credit**
Prerequisite: Physical Education 9 or General Physical Education
Note: Students shall provide their own Physical Education attire, including a swim suit, and students must use a padlock, which must be purchased at BMHS.
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) **.5 credit**
Grades: 10, 11, 12
Prerequisite: Physical Education 9 or General Physical Education
Note: Students shall provide their own Physical Education attire, including a swim suit, and students must use a padlock, which must be purchased at BMHS.
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) **.5 credit**
Grades: 10, 11, 12
Prerequisite: Physical Education 9 or General Physical Education
Note: Students shall provide their own Physical Education attire, including a swim suit, and students must use a padlock, which must be purchased at BMHS.
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.

LIFEGUARD & SAFETY CERTIFICATIONS (J0048) .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)
Note: Students shall provide their own Physical Education attire, including a swim suit, and students must use a padlock, which can be purchased at BMHS.

OUTDOOR ADVENTURE (J0050) .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.

HIGH SCHOOL OFFICIATING (J0052) .5 credit
Grade: 11, 12
Prerequisite: Must have completed 1.5 Physical Education credits.
Content: This course will provide students an opportunity to learn the rules and the skills necessary to officiate within the following Wisconsin Interscholastic Athletic Association high school sports: basketball, volleyball, baseball, softball, football, soccer, and wrestling. Students will go through the rules of the game daily and practice their officiating skills during class activity time.

HEALTH (J0055) .5 credit
Grades: 9 Required
Note: It is strongly recommended that all 9th graders take Health.
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.

ADVANCED HEALTH AND WELLNESS (J0056)
Grades: 11, 12 .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.

STRENGTH & CONDTIONING (J0058) .5 credit
Grade: 10, 11, 12
Prerequisite: Physical Education 9 or General Physical Education.
Note: Students shall provide their own Physical Education attire and students must use a padlock, which can be purchased at BMHS if necessary.
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.**

SCIENCE DEPARTMENT

Graduation Requirements: 3 credits of science is required: 1 credit of Physical Science or Accelerated Physical Science, 1 credit of Biological Science (Botany or Ecology and Zoology or Human Biology), and an additional science credit of your choice. Beginning with the class of 2019, students will be required to enroll in Ecology and Human Biology to fulfill their Biological Science credit.

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.

Biological Science: Students must have one credit of biological science. To fulfill this requirement, current upperclassmen **must** choose one plant-based biological science, either Botany or Ecology **AND** one animal-based biological science, either Zoology or Human Biology. Beginning with the class of 2019, students will be required to enroll in Ecology and Human Biology to fulfill their Biological Science credit.

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
Earth Series: Astronomy (E1204)		X	X	X	0.5	Physical Sci or Accelerated Phys Sci AND Algebra 1
AP Environmental Science (E4024)			X	X	1.5	Ecology (Pre/Co) Chemistry or ChemCom (Pre/Co)
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
AP Chemistry (E4012)			X	X	1.5	Chemistry and Algebra 2
Electrical Systems (E2012)		X	X	X	0.5	Physical Sci or Accelerated Phys Sci AND Algebra 1
Conceptual Physics (E3013)		X	X	X	1	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		Conceptual Physics (may be waived by instructor) and Algebra 2
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: Zoology (E2024)		X	X	X	0.5	Physical Sci or Accelerated Phys Sci
Biology Series: Botany (E2018)		X	X	X	0.5	Physical Sci or Accelerated Phys Sci
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
AP Biology (E4020)			X	X	1.5	1 Biological Credit (Pre) Chemistry or ChemCom (Pre/Co)
Digital Electronics (E3014) *See Technology Dept. for description*			X	X	1	

PHYSICAL SCIENCES

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 10, 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) **.5 credit**
Grades: 10, 11, 12
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? Is it possible to fix my stereo? How does a touch screen work? Electronics students can learn the science behind electronics to understand 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 Accelerated Physical Science 9
Content: Can you travel backward in time? Can a penny dropped from the Empire State Building kill someone below? How do airbags save lives? How do lasers work? 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 credits**
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 credits**
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; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric 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 & SPACE SCIENCES

EARTH SERIES: THE PHYSICAL WORLD (E1200)
Grades: 10, 11, 12 **.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 **.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: 10, 11, 12 **.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: Botany and The Physical World also 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 SCIENCES

BIOLOGY SERIES: ECOLOGY (E2021) .5 credit
Grades: 10, 11, 12
(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: HUMAN BIOLOGY (E2020)
Grades: 10, 11, 12 .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: BOTANY (E2018) .5 credit
Grades: 10, 11, 12
Pre-requisite: Physical Science or Accelerated Physical Science
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) .5 credit
Grades: 10, 11, 12
Pre-requisite: Physical Science or Accelerated Physical Science
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 .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: Modern U.S. History (**9th**), Advanced Modern U.S. History (**9th**) or AP U.S. History (**10th/11th/12th**)

World History: World History (**10th**) or AP World History (**10th/11th/12th**)

Government: American Democracy (**12th**) or AP U.S. Government (**12th**)

10th – 12th Grade: A ½ credit elective of your choice

	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	
World History (D2010)		X			1	
History of the Holocaust & Genocide (D2015)		X	X	X	0.5	
American Minorities (D2026)		X	X	X	0.5	
African-American Studies 1 (D2028)		X	X	X	0.5	
African-American Studies 2 (D2030)		X	X	X	0.5	
Economics (D2038)		X	X	X	0.5	
World Cultures (D2044)		X	X	X	0.5	
Women's History/Issues (D2046)		X	X	X	0.5	
Criminal Law (D3010)			X	X	0.5	
Current Events (D3020)			X	X	0.5	
Psychology (D3030)			X	X	0.5	
Sociology (D3040)			X	X	0.5	
American Democracy (D4010)				X	0.5	
AP U.S. History (D2100)		X	X	X	1.5	
AP European History (D5100)		X	X	X	1	
AP Human Geography (D6100)	X	X	X	X	1	
AP Psychology (D3100)			X	X	1	
AP U.S. Government (D4100)				X	1	
AP World History (D4200)		X	X	X	1.5	

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.

WORLD HISTORY (D2010) 1.0 credit
Grade: 10
Content: World History is a survey course that examines themes, movements, people, and events that have shaped the modern world. This class covers concepts early man to the twentieth century. A world history course is required for graduation.

HISTORY OF THE HOLOCAUST AND GENOCIDE (D2015) .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.

AMERICAN MINORITIES (D2026) .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 1 (D2028)
Grades: 10, 11, 12 .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 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 2 (D2030)
Grades: 10, 11, 12 .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.

ECONOMICS (D2038) .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.

WORLD CULTURES (D2044) .5 credit
Grades: 10, 11, 12
Content: This class examines the everyday life of people living in the Middle East, Russia, Latin America, and Africa. Students will learn about the following aspects of other cultures: religion, economics, traditions, family structure, and institutions.

WOMEN'S HISTORY/ISSUES (D2046) .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.

CRIMINAL LAW (D3010) **.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) **.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.

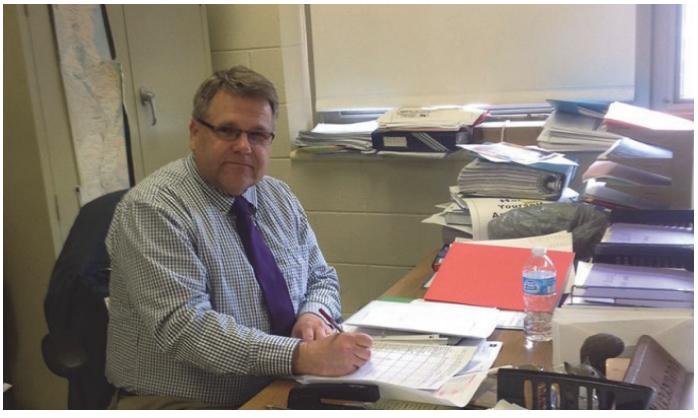
PSYCHOLOGY (D3030) **.5 credit**
Grades: 11, 12
Content: This course is designed to help the individual to better understand herself/himself. It provides insight into how we learn and how psychologists do research. It covers the workings of the mind and body through studying the brain, perceptions, motivations and altered states of consciousness. Life span, personality theories, stress, breakdown and therapy will be discussed.

SOCIOLOGY (D3040) **.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.

AMERICAN DEMOCRACY (D4010) **.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. HISTORY (D2100) **Up to 1.5 credit**
Grades: 10, 11, 12
Content: The first part of this course examines American History form 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.

ADVANCED PLACEMENT EUROPEAN HISTORY (D5100) **1.0 credit**
Grades: 10, 11, 12
Content: The key curricular concepts include the following: 1) identifying the political, economic, social religious and technological trends that formed modern Europe from the fourteenth century to the present; 2) understanding the impact of key figures and events on political, social, economic, religious, and technological trends; 3) building critical thinking skills such as analysis, compare/contract, synthesis, and evaluation by studying primary and secondary sources; 4) learning 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.



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 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.
Fee: 100% of Advanced Placement exam fee.

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.

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.

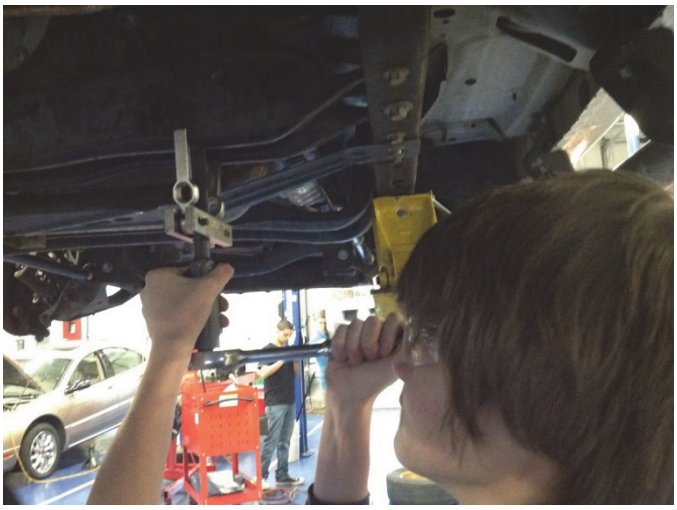
TECHNOLOGY EDUCATION DEPARTMENT

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		
Automotive Technology 1 (H0039)	X	X	X	X	0.5	
Automotive Technology 2 (H0040)	X	X	X	X	1	Pass Automotive Technology 1 with a grade of C or better.
Automotive Technology 3 (H0041)			X	X	2	Pass Automotive Technology 2 with a grade of B or better and/or have instructor approval.
Exploring Technology (H1000)	X	X	X	X	0.5	
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	X	1	IT Network 1
Construction 1 (H3005)	X	X	X	X	0.5	Exploring Technology
Construction 2 (H3006)	X	X	X	X	1	Construction 1
Construction 3 (H3012)		X	X	X	2	Construction 2
Construction 4 Practicum (Student House Build)(H3021)			X	X	2 or 4	Construction 3
Skilled Tradesman Internship (H3024)			X	X	2 or 4	Exploring Technology, Construction 3
Cabinetry 1 (H3035)	X	X	X	X	0.5	Exploring Technology
Cabinetry 2 (H3030)	X	X	X	X	1	Cabinetry 1
Cabinetry 3 (H3036)		X	X	X	1	Cabinetry 2
Machining & CNC Operations I (H3033)	X	X	X	X	1	Exploring Technology, Algebra 1
Machining & CNC Operations II (H3028)		X	X	X	1	Machining & CNC I
Machining & CNC Operations III (H3035)		X	X	X	1	Machining & CNC II
Welding I (H3032)	X	X	X	X	0.5	Algebra I
Welding II (H3031)	X	X	X	X	1	Welding I
Welding III (H3034)			X	X	1	Welding II
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.**

Course Title	Grades Permitted to Enroll				Credit	Prerequisite (Co-requisite denoted "Co")
	9	10	11	12		
Introduction to Engineering Design {PLTW} (H1011)	X	X	X	X	1	Concurrent enrollment in Algebra 1
Principles of Engineering {PLTW} (H1013)	X	X	X	X	1	Concurrent enrollment in Algebra 1
Digital Electronics {PLTW} (H3013)			X	X	1	Geometry, Concurent Enrollment in Algebra 2 or Trigonometry, and POE or IED
Computer Integrated Manufacturing {PLTW} (CIM) (H3017)		X	X	X	1	Principles of Engineering and Introduction to Engineering Design
Civil Engineering & Architecture {PLTW} (CEA) (H3018)		X	X	X	1	Principles of Engineering and Introduction to Engineering Design
Engineering Design & Development {PLTW} (EDD) (H3019)			X	X	2 or 4	Principles of Engineering and Introduction to Engineering Design

AUTOMOTIVE TECHNOLOGY I (H0039)
Grades: 9, 10, 11, 12 .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.

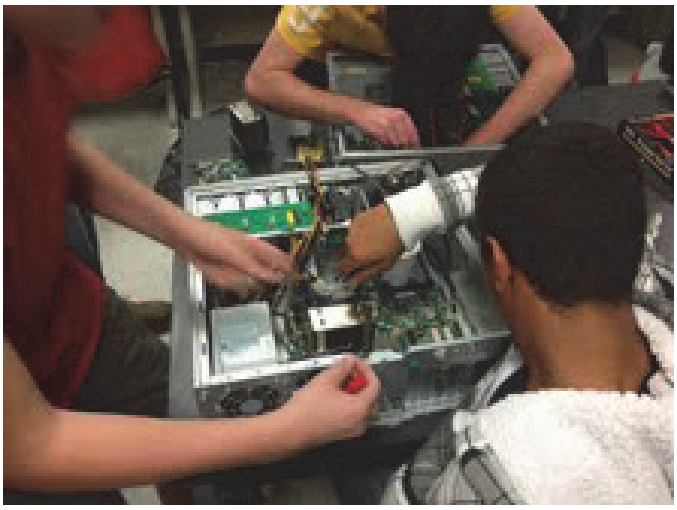


AUTOMOTIVE TECHNOLOGY II (H0040)
Grades: 10, 11, 12 1.0 credit
Prerequisite: Recommended C or better in Automotive Technology I.
COURSE LOCATION: HENDRICKS CENTER
Recommended: Coveralls, Safety Glasses
Content: The course consists of a combination of classroom instruction, computer-based learning activities 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.

EXPLORING TECHNOLOGY (H1000) .5 credit
Grades: 9, 10, 11, 12
Content: This course is designed to introduce students to the world of technology through experiences in blueprint reading construction, cabinet making, automotive, welding, machining, manufacturing and engineering in order to gauge one's ability and interest in careers encompassed within the world of technology. This course is the stepping-stone to basic and advanced technology education courses.
Students may be responsible for purchasing projects made in class.

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: 9, 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.

CONSTRUCTION 1 (H3005) .5 credit
Grades: 9, 10, 11, 12
Prerequisite: Exploring Technology
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 credit
Grades: 9,10,11,12
Prerequisite: Construction 1
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: Construction 2
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. 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) 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 required to supply their own fully loaded and operational 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 **1.0 credit**
Prerequisite: Exploring Technology, Construction 1, Construction 2, Construction 3, and Building Trades 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) **.5 credit**
Grades: 9,10,11,12
Prerequisite: Exploring Technology
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) **1.0 credit**
Grades: 10, 11, 12
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 & CNC Operations I (H3033)
1.0 credit

Grades: 9, 10, 11, 12,
Prerequisite: Exploring Technology, 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)
1.0 credit

Grades: 10, 11, 12
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 (H3035)
1.0 credit

Grades: 10, 11, 12
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) **.5 credit**
Grades: 10, 11, 12
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) **1.0 credit**
Grades: 10, 11, 12
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) **1.0 credit**
Grades: 10, 11, 12
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)
2.0 or 4.0 credits
Grades: 11, 12
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.

INTRODUCTION TO ENGINEERING DESIGN {PLTW} (IED) (H1011) **1.0 credit**
Grades: 9, 10, 11, 12
Prerequisite:
Content: This course is part of the *Project Lead the Way Pre-Engineering Program.* 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.

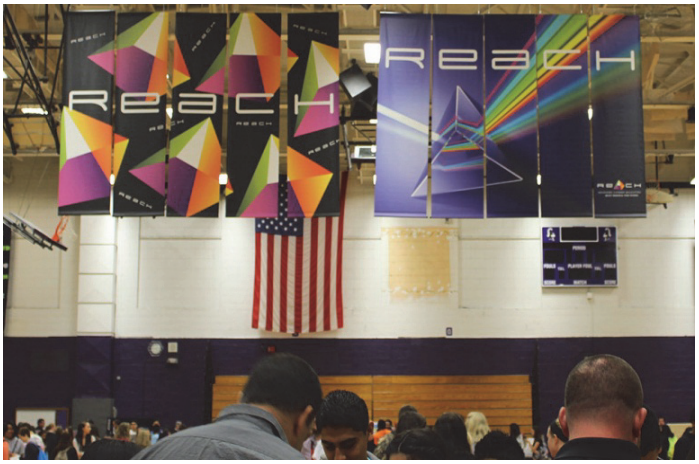
PRINCIPALS OF ENGINEERING {PLTW} (POE) (H1013) **1.0 credit**
Grades: 10, 11, 12
Prerequisite: Concurrent enrollment in Algebra 1 or higher.
Content: This course is part of the *Project Lead the Way Pre-Engineering Program*. This course helps students understand the field of engineering/engineering technology. 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.

DIGITAL ELECTRONICS {PLTW} (H3013)
Grades: 11, 12 **1.0 credit**
Prerequisite: Principles of Engineering and Introduction to Engineering Design
Co-requisite: Algebra II or Trigonometry
Content: This course is part of the *Project Lead the Way Pre-Engineering Program*. Digital Electronics is part of the Project Lead the Way curriculum, which is aimed at students interested in becoming engineers. This is a lab-intensive course which introduces students to the world of microchips, logic gates, and fundamental digital circuit design. Students design digital circuits using computer software and then build the actual circuits using electronic components. Technical school or college credit in this course may be available to students who pass an exit exam.

COMPUTER INTEGRATED MANUFACTURING {PLTW} (CIM) (H3017) **1.0 credit**
Grades: 10, 11, 12
Prerequisite: Principles of Engineering and Introduction to Engineering Design
Content: This course is part of the *Project Lead the Way Pre-Engineering Program*. Computer Integrated Manufacturing (CIM) is the study of manufacturing planning, integration, and implementation of automation. The course explores manufacturing history, individual processes, systems, and careers. In addition to technical concepts, the course incorporates finance, ethics, and engineering design. This reflects an integrated approach that leading manufacturers have adopted to improve safety, quality, and efficiency.
Students may be responsible for purchasing projects made in class.

CIVIL ENGINEERING & ARCHITECTURE {PLTW} (CEA) (H3018) 1.0 credit
Grades: 10, 11, 12
Prerequisite: Principles of Engineering and Introduction to Engineering Design
Content: This course is part of the *Project Lead the Way Pre-Engineering Program*. Civil Engineering and Architecture is the study of the design and construction of residential and commercial building projects. The course includes an introduction to many of the varied factors involved in building design and construction including building components and systems, structural design, storm water management, site design, utilities and services, cost estimation, energy efficiency, and careers in the design and construction industry. The major focus of the CEA course is to expose students to the design and construction of residential and commercial building projects, design teams and teamwork, communication methods, engineering standards, and technical documentation.
Students may be responsible for purchasing projects made in class.

ENGINEERING DESIGN & DEVELOPMENT {PLTW} (EDD) (H3019) 1.0 credits
Grades: 11, 12
Prerequisite: Introduction to Engineering Design, Principles of Engineering (POE), and Civil Engineering and Architecture (CEA) OR Computer Integrated Manufacturing (CIM).
Content: This course is part of the *Project Lead the Way Pre-Engineering Program*. 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.



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		
World Language Refresher		X	X	X	0	French 2 or Spanish 2, or Spanish for Spanish Speakers 1
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	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	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	1	Recommended C or better in Spanish 4 or Spanish for Spanish Speakers 3
Spanish for Spanish Speakers 1 (K1041)	X	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

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 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: 9, 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 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: 9, 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: 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.

SPANISH FOR SPANISH SPEAKERS 1 "SSS1" (ESPANOL PARA HISPANOHABLANTES 1) (K1041)
Grade: 9, 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 APSpanish 5.**

Four Year Planning Guide

As you prepare to register for courses for the 2015-2016 school year, you should review 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 guidance counselor.

Subject	BMHS Requirements
English	**4 Credits including:** ◘ English 9 or Accel English 9 ◘ English 10 or Accel English 10 ◘ English 11 or Accel English 11 ◘ English 12 or Women Writers or Blackhawk Communications ◘ AP Literature and Comp ◘ English Elective
Social Studies	**3 Credits including:** ◘ US History ◘ World History ◘ American Democracy ◘ Social Studies Elective
Science	**3 Credits including:** ◘ Physical Science ◘Biological Science ◘ Science Elective
Math	**3 Credits including:** ◘ Algebra 1 ◘ Geometry ◘Algebra 2 ◘ Math Elective
Physical Education	**1.5 Credits including:** ◘ PE 9 or General PE ◘ 2 PE Elective
Health	**.5 Credits including:** ◘ Health
Personal Finance	**.5 Credits** Class of 2019
Electives	**10.0 Credits**
Total Credits	**26.0**

Subject	Entrance Requirements for MOST University of Wisconsin Schools** -Rank in the top 30%-50% of class -Successful Completion of the following subjects.
English	**4 Credits**
Social Studies	**3-4 Credits**
Science	**2-3 Credits**
Math	**3-4 Credits Including:** ◘ Algebra ◘ Geometry ◘ Advanced Algebra or Algebra II
World Languages	**Recommended:** 2 Years of a single World Language Please verify the entrance requirements could range anywhere from 0-4 years
Electives	**7 Credits or More:** Students completing rigorous courses, including senior year, will be stronger candidates for admission.
Total Credits	**22+ Credits**

Required Starting with Class of 2019

Personal Finance

GRADE 9							
	Semester 1				Semester 2		
1	**English**			1	**English**		
2	**History**			2	**History**		
3	**Math**			3	**Math**		
4	**Science**			4	**Science**		
5	**Health/Phy. Ed.**			5	**Health/Phy. Ed.**		
6	**Elective**			6	**Elective**		
7	**Elective**			7	**Elective**		
8	**Elective**			8	**Elective**		
9				9			
10				10			
GRADE 10							
	Semester 1				Semester 2		
1	**English**			1	**English**		
2	**History**			2	**History**		
3	**Math**			3	**Math**		
4	**Science**			4	**Science**		
5	**Phy. Ed.**			5	**Phy. Ed.**		
6	**Elective**			6	**Elective**		
7	**Elective**			7	**Elective**		
8	**Elective**			8	**Elective**		
9				9			
10				10			
GRADE 11							
	Semester 1				Semester 2		
1	**English**			1	**English**		
2	**History**			2	**History**		
3	**Math**			3	**Math**		
4	**Science**			4	**Science**		
5	**Elective**			5	**Elective**		
6	**Elective**			6	**Elective**		
7	**Elective**			7	**Elective**		
8	**Elective**			8	**Elective**		
9				9			
10				10			
GRADE 12							
	Semester 1				Semester 2		
1	**English**			1	**English**		
2	**History**			2	**History**		
3	**Math**			3	**Math**		
4	**Science**			4	**Science**		
5	**Elective**			5	**Elective**		
6	**Elective**			6	**Elective**		
7	**Elective**			7	**Elective**		
8	**Elective**			8	**Elective**		
9				9			
10				10			

ATHLETICS

Fall

Male	*Female*
Cross Country	Cross Country
Football	Golf
Soccer	Swim
Volleyball	Volleyball
	Spirit Squad
	Tennis

Winter

Male	*Female*
Basketball	Basketball
Hockey	Hockey
Swim	Knightingales
Wrestling	

Spring

Male	*Female*
Baseball	Softball
Golf	Soccer
Tennis	Track & Field
Track & Field	

SPORTS FEES

Each sport / team **$42.00.** There is a limit of two (2) athletic fees per student per year. There is a limit of six (6) athletic fees per family per year.

The Assistant Principal for Athletics and Activities may collect fees in installments to permit an athlete to practice, but may not issue a uniform or permit the student to play/scrimmage/participate until all amounts due to the District are paid.

Principals are permitted to waive up to 50% of the fee schedule for hardship. Appeals for waivers must include, in addition to other circumstances, approved eligibility for free or reduced meals (National School Lunch Program).

BMHS Eligibility Requirements

A student-athlete has four (4) years of eligibility (grades 9-12) at the high school level. The Beloit Memorial Athletic Code will govern the same four (4) years of the student-athlete's eligibility. All code violations will carry-over for the entire four (4) years of eligibility for the student athlete.

A student-athlete shall not participate in athletic activities until the following criteria are met:

A. Written permission from parents/guardians for their child to participate in school athletics is on file in the Assistant Principal for Athletics and Activities office at the high school.

B. A WIAA. Physical Examination Card (Green) from a licensed U.S. physician to practice and participate is on file in the Assistant Principal for Athletics and Activities office at the high school. The Wisconsin Interscholastic Athletic Association requires a physical examination once every two (2) years. Alternate Year Cards (Tan) shall be used the second year for student athletes. Physical examination cards of new enrollees are eligible to be transferred based on the criteria above.

April 1 Rule: If the physical examination is given on or after April 1, 2014, it shall be valid for the current school year (2013-2014 Green), the one following (2014-2015 Green) as well as the next school year (2015-2016 Tan). If the physical examination is given prior to April 1, 2014 it shall be valid for the previous school year (2013-2014 Green) and the following (2014-2015 Tan).

C. Has attended an Athletic Code meeting. An agreement by the student-athlete and the parent(s) must be signed (Salmon Card) which states that each has read and understands the Athletic Code, and has agreed to abide by it.

D. Has a signed insurance waiver card (Salmon Card) on file in the Assistant Principal for Athletics and Activities office.

E. Is a full-time, registered student in the School District of Beloit? (at least 4 graded courses).

F. Adheres to the athletic and academic requirements stated in the School District of Beloit Athletic Code book.

G. A student-athlete shall be an amateur in <u>all</u> recognized sports at this school in order to compete in any sport, and shall become ineligible for all further participation in his/her schools interscholastic program if he/she:

a. Accepts for participation, reimbursement in any form. (I.e., salary, cash, merchandise of

any kind or amount, or share of game or season's proceeds. Except, actual and necessary reimbursement for transportation, food and lodging paid in connection with playing in a contest shall not be regarded as a violation.

b. Signs a contract for athletic services.

c. Permits his/her name, picture or personal appearance to be used for promotional purposes based on his/her achievement in athletics.

d. Plays under another name.

e. At any time (during the school year or summer vacation) receives an award of merchandise.

Student-athletes may receive awards during the school year, such as medals, trophies, etc., only with the permission of the school and with a $50.00 limit on trophies or awards.

f. A student-athlete participates in a summer athletic program, which could be interpreted as out-of-season practice in a sort in excess of that allowed by WAA summer contact provisions, except in those sports stipulated by the WIAA.

g. A student-athlete attends a specialized camp, clinic, or school unless the program is approved by the WIAA. This includes post-season all-star games, wherein limited participation is based on superior ability.

H. Non-School Participation. In order to prevent injury, excessive fatigue or illness, it is the philosophy of the school and the WIAA that students owe their loyalty and allegiance to their school, and the team of which they are members, the WIAA rule states: Athletes shall not participate in outside activities in the same sport during the season.

a. Student athletes become ineligible in a School District of Beloit sponsored sport for the remainder of the season if they play in a non-school contest at the same time they practice for, or are members of a school team in that sport.
b. Student athletes who have attained status of any kind on a school team become ineligible for one year from the date of the last offense in that sport if they played in a non-school contest during the school year in which awards were provided and/or admission charged. A senior who violates this rule shall lose eligibility in all remaining high school sports.

HIGH SCHOOL ATHLETIC ACADEMIC ELIGIBILITY CODE ~ GRADES 9-12

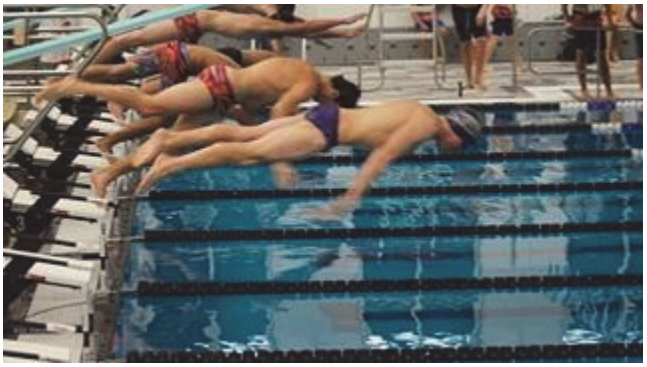
Academic achievement is clearly the major focus in the School District of Beloit. Athletic activities are an extension of the academic program and help the students develop mentally and physically while interacting positively with others. It is also recognized that participation in athletic activities is a privilege. G.P.A. requirements must be met to be eligible.

Students with one “F” or incomplete in a grading term will be allowed to practice, but cannot compete until mid-term progress reports. At mid-term, the student must be passing all classes in order to regain complete eligibility. If they do not present evidence of eligibility at mid-term, they will be prohibited from practicing or competing with the team for the rest of the grading term.

Students with more than one failing grade in a grading term are not allowed to practice or participate in a team or activity for the entire grading term.

Students having been identified with Exceptional Education Needs will follow their Individual Education Program. ELL students will meet the criteria set forth by any modified educational plan.

0.5 credit Physical Education Exemption on 345.6 Rule 3



NCAA Eligibility Requirements

The National Collegiate Athletic Association regulations regarding college freshman to receive athletically-related financial aid and to participate in athletics at any Division I and II College or University are as follows:

1. A minimum 2.0 G.P.A. (on a 4.0 scale) in at least 16 core courses for students first entering an N.C.A.A. Division I College or University on or after August 1, 2011. N.C.A.A. Division II requires 14 core courses, but will require 16 core courses beginning August 1, 2013. Required areas:
   English – 4 credits (*DIV.I*) or 3 cr. (*DIV.II*)
   Mathematics – 3 credits in Algebra I or higher (*DIV.I*) or 2 credits in Algebra or higher *(DIV. II)*
   Science – 2 credits (*DIV.I & DIV.II)*
   English, Math. Or Natural / Physical Science – 1 additional credit (*DIV.I*) or 2 additional credits *(DIV. II)*

Other – 4 credits *(DIV.I)* or 3 credits *(DIV.II)* of additional core courses (from any area above, or World Language, nondoctrinal religion or philosophy)

2. Division I has a sliding scale for S.A.T. & A.C.T. test scores and uses the grade point average of only N.C.A.A. approved core courses. Go to **www.ncaa.org** or **www.ncaaclearinghouse.net** for this information.

   Division II has a minimum S.A.T. score requirement of 820 (based on Critical Reading and Math sections only) or a minimum A.C.T. sum score of 68 (based on English, Math, Reading & Science sections from tests taken on a National Test date.

When registering for the S.A.T. or A.C.T. use the Eligibility Center code of 9999 to make sure the score is reported to the Eligibility Center. All S.A.T. and A.C.T. scores must be reported directly to the N.C.A.A. Initial Eligibility Clearinghouse by the testing agency. Test scores that appear on transcripts will no longer be used.

CLUBS AND ORGANIZATIONS

Art Club
Art club activities include: holiday window painting, assisting with art shows, various art and craft projects, mural painting, art displays within BMHS, etc. All students who enjoy art are encouraged to join.

Be The Change
Be The Change is made up of Challenge Day participants and those hoping to promote change within the school environment. Activities include service projects, promotions of Challenge Day norms, etc. All students are welcome.

Catering Club
The Purple Knight Catering Club provides members with a variety of enrichment activities including community service, career based trips and skill development through the preparation of food beverage and service for a variety of events.

Choir
Choir is enjoyed by over 100 students at BMHS. BMHS offers 5 choirs that meet during the school day: Men's Chorus, Treble Choir, Varsity Women's Choir, Concert Choir and Knight Choir. This is a great opportunity to sing every day!

DECA Club
The DECA Club is for those students enrolled in a marketing course as well as those interested in a career in Marketing. Local activities are directed by student leaders based on the interest of the members. Sign up for a marketing class and learn more!

Drama Club
The drama club puts on several productions each year and has been recognized for their quality of production and choice of challenging work by both state and international organizations. Along with the Fall Play and Spring Musical, the drama club is highly active and puts on several additional productions throughout the year, including a Haunted Hayride, Miracle on 4th Street, and a late spring production which could take any form from student-directed one-acts, improv shows, sketch comedy, or even full-length musicals. Students who participate in any of the Drama Club activities earn "Theatre Points" toward a Letter in Theatre, an award equivalent to participation in a varsity sport.

Environmental Club
Environmental Club is a service organization which strives to promote a healthy environment on a local, national and global level. Students are involved in recycling projects, native species gardening, tree planting, etc.

FBLA
(Future Business Leaders of America)
FBLA is a local, state, and national organization of students interested in a career in business. Members participate in a variety of events including: field trips, social events, service projects, and competitions.

FCCLA
(Family, Career and Community Leaders of America)
This is a Career and Technical Education student organization where family and community are the main focus. The goal of the organization is to promote growth and leadership development through Family and Consumer Science Education. This group is primarily made up of Early Childhood Education Internship students but is open to all Family and Consumer Science students.

FCCLA - Occupational
(Home Economics Related Occupations)
This organization helps you develop leadership skills as well as giving back to your community through service projects. You must be in an occupational course such as Child Care Services or Food Services to participate.

Fellowship of Christian Athletes
FCA is a club that meets once a week; Thursdays at 7:00 A.M., and provides high school students (generally those who have been, currently are, or will be involved with a sport) a chance to be together and participate in a devotional chosen and led by one of the students. Breakfast is provided by members on a rotating basis.

Film Club
We focus on the watching and creation of film. We seek to interpret film on a deeper level. Students that join this club are able to work with the Beloit International Film Festival. The club meets every Wednesday.

French Club
French Club is open to all students who are interested in the culture of France and French speaking countries. The purpose is to promote cultural awareness through a variety of activities, speakers, and trips.

Game Club
A social club on joining fellow games. We alternate between video game tournaments and table top gaming every week. New games are always welcome (provided they are discussed first). The club meets every Thursday.

GSA (Gay-Straight Alliance)

The Gay-Straight Alliance at BMHS was created so students have a safe environment where students can support each other and learn about some of the issues facing LGBT youth. GSA members aim to educate other students about homophobia and gender identity. Students in the GSA also strive to fight discrimination, harassment, and violence in schools.

Increscent Newspaper

The Increscent is a monthly student newspaper, which is published 8 times per year. Membership is open to all BMHS students. Students with an interest in writing and photography are especially encouraged to join.

International Club

The International Club is for students who are interested in international affairs and want to make connections with people from other countries. The club supports our exchange students and raises funds to help with trips.

Jazz Band

The award winning Jazz Band continues to bring to young people the Jazz traditions. Each year they feature a guest artist. Auditions are held in May and is open to any student in the music program who is interested. The group performs several times a year within our community and travel throughout the Midwest to various Jazz festivals.

JROTC Cadet Staff

The Cadet Staff is the student group that plans, organizes, and conducts many of the activities of the JROTC program. The staff also takes care of cadet records, supplies, and equipment. All JROTC students are eligible.

JROTC Color Guard

The Color Guard performs in a variety of ceremonies in the school and surrounding communities throughout the school year and enters competitions with the Drill Team. All students in JROTC are eligible to participate.

JROTC Drill Team

The Drill Team performs precision marching and drill movements, both for exhibition and competition against other high schools and military academies in the upper Midwest. All students in JROTC are eligible.

JROTC Rifle Team

The JROTC Rifle Team is regulated by the Civilian Marksmanship Program (CMP). The Rifle Team offers JROTC students the opportunity to learn about all aspects of marksmanship with the emphasis on safety. Rifle Team members shoot against high school rifle teams and may earn a BMHS “B” Varsity or JV Letter. Rifle Team members shoot .177 caliber air rifle pellet guns at 10 meter distances in an approved rifle range on the school grounds. Rifle marksmanship is an Olympic sport. Participation on the rifle team is free to all members. Rifle Team members must be enrolled in JROTC.

Key Club

Key Club offers a wide range of opportunities for the member. Key Club stresses the importance in leadership, development, service learning, personal enrichment, college scholarships and much more. All are welcome.

Knowledge Master

The Knowledge Master Open is an academic competition held twice a year. The score on a qualifying test selects the team members. The competition consists of 200 multiple choice questions in a variety of subjects.

Latino Club

Latino club is a school organization designed to raise awareness of issues Latino students face and also to give support and information to those students and their families. Latino Club is also a community-service organization that volunteers within the Beloit/Janesville communities. Latino Club is open to all students who are interested in supporting BMHS, and our communities.

LEO Club

Leo Club is an activity of the Lions Club for students between 13 and 18 years of age. Leo’s help out in the community and perform service projects in Beloit and the surrounding areas. Any BMHS student is eligible.

Link Crew

Link Crew is a high school transition program that welcomes freshmen and makes them feel comfortable, built on the belief that students can help students succeed. Leaders are members of the junior and senior class.

MEO
(Minority Excellence Organization)

The purpose of MEO is to work in the capacity of a leadership organization. We strive to nurture the leadership qualities in our students, and to encourage them to pursue post-secondary education.

National Honor Society

The BMHS Chapter of the National Honor Society is open to any junior or senior whose cumulative GPA is 3.4 or higher and who has demonstrated leadership, character and service to both BMHS and our community.

Orchestra

Orchestra is both a class and performing organization. Required performances outside of school time include: Concerts, Big 8 Orchestra Festival, Solo and Ensemble Contests, etc. Previous string experience is required.

Skills USA

Skills USA is the student organization connected to the Technology Education Department. Students participate in contests and leadership workshops. Contests are available in all areas of Tech Ed.

Student Advisory

Student Government and student voice is crucial to sustaining an effective and high performing high school. These students, who serve as the eyes and ears of the building, meet on a monthly basis to talk about policy, procedures, and future BMHS plans.

Student Senate

Student Senate is a student run, student representing organization that provides activities and opportunities for all students at BMHS. Members run homecoming activities, dances and participate in many service projects.

Yearbook

The purpose is to design, produce, and sell yearbooks for the current school year. Students sell advertising, write, copy and interview for pages, design and layout pages and check proof pages prior to publishing.

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 situations 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.

It 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, than juniors, sophomores, and finally freshmen.

Petition for Enrollment in Course above Grade Level

Student Name _____

Parent/Guardian Name _____

Address _____

Phone Number _____ Best time to be reached _____

Course Requested (Name & Number) _____

Please check one of the following reasons for your request:

_____ Identified as Gifted & Talented by the School District of Beloit in the area of the request.

_____ ACT scores indicate advanced prior knowledge in the area of the request.

_____ Supported claim of high interest in this area.

(Support may be in the form of extensive prior experience or involvement. For example, a student who has completed four years of experience with the 4-H Photography project would have extensive prior experience and show support for admittance into a Photography course.)

_____ Other (Please Specify) _____

Please explain your reasons for requesting enrollment in this course and indicate support as necessary. (Continue on the back of this form if necessary.)

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

NON-DISCRIMINATION POLICY

The School District of Beloit does not discriminate against pupils on the basis of sex, race, national origin, ancestry, creed, pregnancy, marital or parental status, sexual orientation, or physical, mental, emotional, or learning disabled in its education programs or activities. The School District of Beloit will consider requests for reasonable accommodation of a student's sincerely held religious beliefs with regard to all examinations and other academic requirements.

The School District of Beloit does not discriminate in employment on the basis of age, race, color, national origin, sex, disability, creed, marital status, ancestry, arrest record or conviction record, or sexual orientation. Inquiries concerning the laws and regulations and how they apply to the District may be referred to:

Title IX/Sexual Harassment
Title VI/Age Discrimination

Mrs. Emily Pelz	Executive Director of Pupil Services
Phone: (608) 361-4099	Email: Epelz@sdb.k12.wi.us
Mr. Todd Cabelka	Executive Director of Human Resources
Phone: (608) 361-4010	Email: Tcabelka@sdb.k12.wi.us

Minority Coordinator

Ms. Tasha Bell	Minority Coordinator
Phone: (608) 361-4165	Email: Tbell@sdb.k12.wi.us

Testing

A listing of standardized tests given as part of the District's instructional program is posted in each school. Questions may be directed to:

Kolak Education Center
1633 Keeler Avenue
Beloit, WI 53511
(608) 361-4000

Parents should freely discuss school questions with teachers and/or principals. In the event a problem persists after working with the building principals, parents may call Emily Pelz, Executive Director of Pupil Services, at (608) 361-4099.

Beloit Memorial High School

1225 Fourth Street, Beloit, Wisconsin 53511
608-361-3000 http://www.sdb.k12.wi.us/memorial

BMHS Administration

Principal

Dr. Tina Salzman	**361-3002**	Tsalzman@sdb.k12.wi.us
Mrs. Carole Campbell (interim)	**361-3002**	Ccampbel@sdb.k12.wi.us

Assistant Principals

Mr. Peter Apple (A – D)	**361-3030**	Papple@sdb.k12.wi.us
Mr. Noah Hollander (E - La)	**361-3012**	Nhollander@sdb.k12.wi.us
Ms. LaKimberly Jefferson (Lb - Rh)	**361-3011**	Ljefferson@sdb.k12.wi.us
Mr. John Kaminski (Ri - Z)	**361-3017**	Jkamins1@sdb.k12.wi.us
Mr. Charles Seils (Athletics/Activities)	**361-3023**	Cseils@sdb.k12.wi.us

School Counselors

Mrs. Erin Wolf (A - D)	**361-3027**	Ewolf@sdb.k12.wi.us
Mrs. Jeanie Schoenenberger (E – La)	**361-3021**	Jschoenb@sdb.k12.wi.us
Mr. Ron Hartman (E – La)	**361-3021**	rhartman@sdb.k12.wi.us
Mr. Jon Watson (Lb - Rh)	**361-3026**	Jowatson@sdb.k12.wi.us
Mrs. Angela Snow (Ri - Z)	**361-3028**	Asnow@sdb.k12.wi.us

BMHS Special Education Coordinator

Ms. Michelle Hendrix-Nora	**361-3141**	mhendrixnora@sdb.k12.wi.us

BMHS Career & Tech Coordinator

Mr. Ryan Rewey	**361-3206**	Rrewey@sdb.k12.wi.us

School District of Beloit
1633 Keeler Avenue
Beloit, Wisconsin 53511
(608) 361-4000, FAX (608) 361-4122

Board of Education
Shannon Scharmer, President
Nora Gard, Vice President
John Winkelmann, Treasurer
Dennis Baskin, Clerk
John Acomb, Member
Lisa Anderson-Levy, Member
Laurie Endres, Member

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

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.