

BELOIT MEMORIAL HIGH SCHOOL

COLLEGE & CAREER

ACADEMIES

ACMES

Manufacturing & Skilled Trades
Automotive & Transportation
Architecture & Construction
Engineering
Science

BACH

World Language & Communication
Information Technology
Accounting & Finance
Digital Media Arts
Performing Arts
Studio Arts
Hospitality
Business

HHPS

Education & Child Development
Land & Resource Management
Medical & Health Science
Law & Public Safety
Human Services



What is a College & Career Academy?

Academies are small learning communities that provide real-world experiences with local businesses and professionals, linking schoolwork and the workplace. Regular coursework is presented within the context of the academy's focus. Academies provide small learning communities within each high school to help ensure that graduating students are better prepared for college and the workforce.

How to Choose a Career Exploration Pathway...

Step 1. Identify your interests.

Identifying your personal interests (hobbies and areas of study) will guide you to the best Career Exploration Pathway for you, making school and your future career motivating and enjoyable. Your Academic Career Plan created in Career Cruising will be your guide through this process.

Step 2. Review your career pathway options.

Read through the career exploration pathway descriptions in this guidebook and determine which best fits your interests. You will be assigned to the College & Career Academy that oversees your selected pathway.

Step 3. Select your electives.

In addition to selecting a career exploration pathway, most students have room in their schedule for additional course electives. Electives that support your career exploration pathway are also recommended.

ACADEMY OVERVIEW

You should consider the **ACMES Academy**

(Automotive, Construction, Manufacturing, Engineering and Science)

If you enjoy:

- Solving puzzles
- Working with tools
- Learning about cars
- Building things
- Scientific discovery

Career Exploration Pathways Include:

- Architecture & Construction**
- Automotive & Transportation**
- Engineering**
- Manufacturing & Skilled Trades**
- Science**

You should consider the **BACH Academy**

(Business, Arts, Communication and Hospitality)

If you enjoy:

Creative problem solving

Computer science

Making art

Learning a new language

Performing on stage

Career Exploration Pathways Include:

Accounting & Finance

Business

Digital Media Arts

Hospitality

Information Technology

Performing Arts

Studio Arts

World Language & Communication

You should consider the **HHPS Academy**

(Health, Human and Public Service)

If you enjoy:

Working with children

Helping others

Understanding how the human body works

Caring for others

Career Exploration Pathways Include:

Education & Child Development

Human Services

Land & Resource Management

Law & Public Safety

Medical & Health Science

Are there other courses you want to take outside of your pathway? Electives can be taken across all academies. However, students in a particular Career Exploration Pathway have enrollment priority.

Language Arts (courses such as Creative Writing, Public Speaking, and Business Publication)

Science (courses such as Physics, AP Biology, and Meteorology)

Social Studies (courses such as African American Studies, Criminal Law, and Psychology)

Mathematics (courses such as AP Statistics, Technical Math and Trigonometry)

World Languages (courses such as French and Spanish)

Fine Arts (courses such as Studio Art, Concert Band, Chorus, Performing Arts)

Career and Technical Education (courses such as Child Development, PLTW Engineering, High School of Business, Information Processing, and JROTC)

Academy Pathways

All of our high school students benefit from small learning communities called Academies. Within the Academies, students can choose from more than two dozen career pathways that allow them to further explore career areas of interest. Each pathway is a three-level course sequence beginning in a student's sophomore year that provides real-world experiences with local businesses and professionals, linking schoolwork and the workplace. Students learn math, science, English, and social studies, but apply their academic learning to their chosen career exploration pathway. Many of our career pathways offer students opportunities like dual credit, articulated credit or industry certification.

DEFINITION OF TERMS:

Articulated credit allows high school students to receive college credit for technical courses they completed while in high school. The articulation process eliminates the need for duplication of courses at the college level. Courses are offered through Blackhawk Tech and

Advanced Placement courses allow students to engage in the rigor of a college level course taught on the high school campus. Students may elect to take the national exam which could result in college credit.

Dual credit allows high school students to receive both college and high school credit. Dual credit courses can take place either in the high school or on a college campus.

Industry certification is earned through secondary and postsecondary career and technical education programs and courses giving students professional credentials to take into the workplace.

Project Lead the Way (PLTW) is a non-profit organization that develops STEM classes for middle and high schools. These courses are designed for students in select pathways.

Work-based learning experiences are opportunities provided to students based on their pathway; such as job shadowing, career fairs, business site visits, university visits, etc.

Work-based Opportunities for seniors include:

Wisconsin Youth Apprenticeship Program (YA)

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.

Co-op Internships

Faculty members instruct a high school practicum class and oversee students engagement with a community employer.

Course Requirements for BMHS Graduates

GRADE	COURSES	CREDITS
9 th	ENGLISH: English 9 or Accelerated English 9	1 Credit
	SOCIAL STUDIES: U.S. History or Advanced U.S. History	1 Credit
	SCIENCE: Physical Science or Accelerated Physical Science	1 Credit
	MATH: Pre-Algebra I, Algebra I, Geometry or Algebra II	1 Credit
	PHYSICAL EDUCATION: Health	0.5 Credit
	NON-DEPARTMENTAL: Seminar – College & Career Readiness	0.5 Credit
	9TH Grade TOTAL REQUIRED CREDITS	5 Credits
10 th	ENGLISH: English 10 or Accelerated English 10	1.0 Credit
	SOCIAL STUDIES: World History: World Conflicts, Great Civilizations, (Select 2) World Cultures or Human Footprints	0.5 Credit + 0.5 Credit = 1 Credit
	SCIENCE: Ecology and Human Biology (Select Both)	0.5 Credit + 0.5 Credit = 1 Credit
	MATH: Algebra I, Geometry, Probability & Statistics, Algebra II or any other advanced Math course	1.0 Credit
	10th Grade TOTAL REQUIRED CREDITS	4.0 Credits
11 th	ENGLISH: English 11, Accelerated English 11, African American Literature or AP Language & Composition	1.0 Credit
	MATH: Geometry, Probability & Statistics, Algebra II or any other advanced Math course	1.0 Credit
	BUSINESS: Personal Finance	0.5 Credit
	11th Grade TOTAL REQUIRED CREDITS	2.5 Credit
12 th	ENGLISH: English 12, Women Writers, Blackhawk Communications, AP Literature & Composition or AP Language & Composition	1.0 Credit
	SOCIAL STUDIES: American Democracy	0.5 Credit
	12th Grade TOTAL REQUIRED CREDITS	1.5 Credits
ADDITIONAL ELECTIVE REQUIREMENTS		
	SOCIAL STUDIES: 0.5 Credit of additional Social Studies elective (3 Credits Total)	
	SCIENCE: 1.0 Credit of additional Science elective (3 Credits Total)	
	PHYSICAL EDUCATION: 1.5 Credits total of Physical Education (Including PE 9 or General PE)	
	MULTI-DEPARTMENTS: 10 Credits of Elective Classes	
	TOTAL – Students must have a MINIMUM of 26 credits to graduate including all of the required courses listed above. It is possible for students to earn a MAXIMUM of 36 credits before graduating.	

ARCHITECTURE & CONSTRUCTION PATHWAY **ACMES**

Designing, planning, managing, building, and maintaining the built environment.

POTENTIAL CAREERS IN ARCHITECTURE & CONSTRUCTION

Architect	Electrician	Plumber
Carpenter	Electronic Systems Technician	Project Estimator
Civil Engineer	Equipment/material Manager	Project Inspector
Construction Foreman/Manager	General Contractor/Builder	Project Manager
Contractor	HVAC Mechanic	Roofer
Drafter	Interior Designer	Safety Director
Demolition Engineer	Painter	Sheet Metal Worker
Drywall Installer	Pipefitter	Tile/Marble Setter

HIGH SCHOOL PATHWAY COURSES

Grade/Level	Essential Pathway Courses (Select at least one credit each level year.)	
9	Freshman Seminar (Required) Potential Electives: Construction I	
Level 1	Construction I Cabinetry I	Construction II PLTW Intro to Engineering
Level 2	Construction II Cabinetry II	Construction III PLTW Principles of Engineering
Level 3	Construction III Cabinetry III	Construction IV (House Build) Cabinetry IV (Internship)

RECOMMENDED ELECTIVE COURSES TO ENHANCE PATHWAY

Department	Course	
Art	3D Art	
Business	Business Foundations Entrepreneurship	Accounting I
English	Blackhawk Communications	Intro to Public Speaking
Family/Consumer Ed	Housing & Interior Design	
Math	Tech Math I AP Calculus AB Geometry	Tech Math II AP Calculus BC
Physical Ed	Strength & Conditioning	
Science	Conceptual Physics Chemistry in the Community Water, Weather & Climate	AP Physics General Chemistry
Tech Education	Welding I / II / III	
World Languages	Spanish I / II / III	French I / II / III

POTENTIAL CERTIFICATIONS

Certification Name	Certifying Agency
OSHA 10	Occupational Safety and Health Administration
Saw Blade Certification	Woodwork Career Alliance

AUTOMOTIVE & TRANSPORTATION PATHWAY **ACMES**

Technical support, planning and management of mobile equipment.

POTENTIAL CAREERS IN AUTOMOTIVE & TRANSPORTATION

Auto Body Technician	Fleet Maintenance Manager	Repair Technician
Auto Electronics Specialist	Fleet Manager	Service Manager
Automotive Service Technician	Painting Technician	Shop Owner
Field Service Representative	Parts Manager	Truck Driver

HIGH SCHOOL PATHWAY COURSES

Grade/Level	Essential Pathway Courses (Select at least one credit each level year.)	
9	Freshman Seminar (Required) Potential Electives: Auto I	
Level 1	Automotive Technology I	Automotive Technology II
Level 2	Automotive Technology II	Automotive Technology III
Level 3	Automotive Technology III Automotive Technology IV (Internship)	

RECOMMENDED ELECTIVE COURSES TO ENHANCE PATHWAY

Department	Course	
Business	Business Foundations	Entrepreneurship
English	Blackhawk Communications	
Math	Tech Math I	Tech Math II
Science	Chemistry in the Community	Conceptual Physics

POTENTIAL CERTIFICATIONS

Certification Name	Certifying Agency
ASE Student Certification	ASE
AYES - Apprenticeship	AYES

ENGINEERING PATHWAY **ACMES**

Designing, building, and maintaining structures, devices, systems, materials, and processes through a combination of scientific, economic, social, and practical knowledge and skills in order to solve problems to improve the world around us.

POTENTIAL CAREERS IN ENGINEERING

Aerospace Engineer	Computer Programmer	Mechanical Designer
Agricultural Engineer	Ecologist	Metallurgist
Analytical Chemist	Electrical Engineer	Quality Engineer
Architectural Engineer	Electronics Technician	Software Engineer
Astrophysicist	Engineering Technician	Structural Engineer
Biomedical Engineer	Geologist	Survey Technician
CAD Technician	Geothermal Engineer	Systems Engineer
Civil Engineer	Industrial Engineer	Robotics Engineer

HIGH SCHOOL PATHWAY COURSES

Grade/Level	Essential Pathway Courses (Select at least one credit each level year.)	
9	Freshman Seminar (Required) Potential Electives: Robotics	
Level 1	PLTW Intro to Engineering Robotics	PLTW Principles of Engineering
Level 2	PLTW Principles of Engineering	
Level 3	PLTW Engineering Design & Development	

RECOMMENDED ELECTIVE COURSES TO ENHANCE PATHWAY

Department	Course	
Art	3-D Art	
Business	Computer Applications Multimedia	Accounting I Entrepreneurship
English	AP Language & Composition Intro to Public Speaking	Blackhawk Communications
Math	Probability & Statistics AP Calculus AB	AP Statistics AP Calculus BC
Science	Conceptual Physics General Chemistry AP Chemistry Astronomy Physical World	AP Physics Chemistry in the Community AP Biology Water, Weather & Climate AP Environmental Science
Social Studies	Women's Studies	
World Languages	Spanish I / II / III	French I / II / III

POTENTIAL CERTIFICATIONS

Certification Name	Certifying Agency
CertiPort: Inventor	Certiport
Autodesk	Certiport

MANUFACTURING & SKILLED TRADES PATHWAY **ACMES**

Planning, managing and performing the processing of materials into products and the related professional and technical support activities.

POTENTIAL CAREERS IN MANUFACTURING & SKILLED TRADES

CAD/CAM Programmer
Fabricator
Machine Sales & Service
Machinist

Maintenance Mechanic
Metrology
Pipefitter
Plant Manager

Robotic Programmer
Welder
Welding Engineer

HIGH SCHOOL PATHWAY COURSES

Grade/Level	Essential Pathway Courses (Select at least one credit each level year.)	
9	Freshman Seminar (Required) Potential Electives: Welding I, Machining & CNC Op. I	
Level 1	Welding I Machining & CNC Op. I	Welding II Machining & CNC Op. II
Level 2	Welding II Machining & CNC Op. II	Welding III Machining & CNC Op. III
Level 3	Welding III Machining & CNC Op. III	Welding IV (Internship) Machining & CNC Op. IV (Intern)

RECOMMENDED ELECTIVE COURSES TO ENHANCE PATHWAY

Department	Course
English	Blackhawk Communications
Math	Tech Math I Tech Math II
Physical Ed	Strength & Conditioning
Science	Chemistry in the Community Conceptual Physics

POTENTIAL CERTIFICATIONS

Certification Name	Certifying Agency
AWS SENSE Level 1	American Welding Society
NIMS Certifications (various)	National Institute of Metalworking Skills

SCIENCE PATHWAY **ACMES**

Planning, managing and providing scientific research and professional and technical services including laboratory and testing services and research and development services.

POTENTIAL CAREERS IN SCIENCE

Astronomer	Food Scientist	Physicist
Botanist	Geneticist	Science Researcher
Climatologist	Lab Technician	Science Teacher
Ecologist	Marine Biologist	Stock Room Technician
Environmental Scientist	Pharmaceutical Research	Zoologist

HIGH SCHOOL PATHWAY COURSES

Grade/Level	Essential Pathway Courses (Select at least one credit each level year.)		
9	Freshman Seminar (Required) Potential Electives:		
Level 1	(*Columns reflect separate Science Discipline Pathway focus)		
	<i>Earth Science</i>	<i>Physical Science</i>	<i>Biological Science</i>
	Physical World	General Chemistry	Human Bio.
	Water, Weather & Climate	Chemistry in the Community	Ecology
		Conceptual Physics	
Level 2	Physical World	General Chemistry	Botany
	Water, Weather & Climate	Chemistry in the Community	Zoology
	Astronomy	Conceptual Physics	Anatomy
		Food Science	
Level 3	AP Environmental Science	AP Chemistry	AP Biology
		AP Physics	
		Food Science	

RECOMMENDED ELECTIVE COURSES TO ENHANCE PATHWAY

Department	Course	
Business	Computer Applications	
English	AP Language & Composition	
Math	Probability & Statistics	AP Statistics
	AP Calculus AB	AP Calculus BC
Physical Ed	Outdoor Adventure	
World Languages	Spanish I / II / III	French I / II / III

POTENTIAL CERTIFICATIONS

Certification Name	Certifying Agency

ACCOUNTING & FINANCE PATHWAY **BACH**

Using systems and skills to keep the financial records of a business or individual.

POTENTIAL CAREERS IN ACCOUNTING & FINANCE

Abstractor	Controller	Loan Officer
Accountant	Credit Analyst	Manager
Actuary	Debt Counselor	Non-profit Manager
Auditor	Economist	Tax Examiner
Banker	Financial Analyst	Title Researcher and Examiner
Bill and Account Collector	Financial Planner	Treasurer
Budget Analyst	Fund Raiser	Trust Officer
Commodities Representative	Insurance Broker	Underwriter

HIGH SCHOOL PATHWAY COURSES

Grade/Level	Essential Pathway Courses (Select at least one credit each level year.)	
9	Freshman Seminar (Required) Potential Electives: Business Foundations, Computer Applications	
Level 1	HSB Principles of Business HSB Economics	Business Foundations Computer Applications
Level 2	Accounting I HSB Marketing HSB Finance	Intro to Marketing Business Law
Level 3	HSB Management HSB Strategies	Advanced Accounting Advanced Business (Internship)

RECOMMENDED ELECTIVE COURSES TO ENHANCE PATHWAY

Department	Course	
English	Public Speaking	
Math	Probability & Statistics AP Calculus AB	AP Statistics AP Calculus BC
Social Studies	Economics	
World Languages	Spanish I / II / III	French I / II / III

POTENTIAL CERTIFICATIONS

Certification Name	Certifying Agency
Microsoft Office Certification	Certiport

BUSINESS PATHWAY **BACH**

Planning, organizing, directing, and controlling business operations. Those who work in this field have to use a broad range of ideas and practices to maintain and grow their business through the management of materials, equipment, workers and other financial resources.

POTENTIAL CAREERS IN BUSINESS

Advertising Sales Person	Corporate Trainer	Financial Advisor
Business Consultant	E-commerce Analyst	Human Resources Manager
Business Operations Manager	Entrepreneur	Insurance Agent
Compliance Officer	Facilities Manager	Management Analyst

HIGH SCHOOL PATHWAY COURSES

Grade/Level	Essential Pathway Courses (Select at least one credit each level year.)	
9	Freshman Seminar (Required) Potential Electives: Business Foundations, Computer Applications	
Level 1	HSB Principles of Business HSB Economics	Business Foundations Computer Applications
Level 2	HSB Marketing HSB Finance Accounting I	Business Law Intro to Marketing
Level 3	Entrepreneurship HSB Management HSB Strategies	Advanced Business (Internship) Accounting I Advanced Accounting

RECOMMENDED ELECTIVE COURSES TO ENHANCE PATHWAY

Department	Course	
English	Public Speaking	
Math	Probability & Statistics AP Calculus AB	AP Statistics AP Calculus BC
Science	AP Environmental Science	
Social Studies	Economics Current Events	Women Studies Sociology
World Languages	Spanish I / II / III	French I / II / III

POTENTIAL CERTIFICATIONS

Certification Name	Certifying Agency
A*S*K Business Exams: Marketing	MBA Research
Finance	MBA Research
Ethics	MBA Research
Entrepreneurship	MBA Research

DIGITAL MEDIA ARTS PATHWAY **BACH**

Creating visual concepts to communicate ideas that inspire, inform, or captivate consumers.

POTENTIAL CAREERS IN DIGITAL MEDIA ARTS

Animator	Lithographer	Printing Equipment Operator
Art Director	Marketing Specialist	Product Designer
Creative Director	Media Specialist	Production Coordinator
Desktop Publishing Specialist	Multimedia Artist Film Editor	Production Manager
Graphic Artist	Photographer	Typographer
Graphics Equipment Operator	Plate Maker	Web Architect/Designer
Illustrator	Pre-production Technician	Web Page Designer

HIGH SCHOOL PATHWAY COURSES

Grade/Level	Essential Pathway Courses (Select at least one credit each level year.)	
9	Freshman Seminar (Required) Potential Electives: 2D Art	
Level 1	2-D Art Intro to Graphics Business Publications	Drawing Painting Digital Art I
Level 2	Intro to Graphics Digital Art I Digital Art II Drawing	Painting Business Publications Multimedia
Level 3	Digital Art II AP Studio Art 2D	Business Publications Multimedia

RECOMMENDED ELECTIVE COURSES TO ENHANCE PATHWAY

Department	Course(s)	
Business	Intro to Marketing Entrepreneurship	Computer Applications
English	Creative Writing Media Journalism Public Speaking	Greek & Roman Mythology World Mythology
Math	Probability & Statistics	
Performing Arts	Music Composition	

POTENTIAL CERTIFICATIONS

Certification Name	Certifying Agency

HOSPITALITY PATHWAY **BACH**

Management, marketing and operations of restaurants and other foodservices.

POTENTIAL CAREERS IN HOSPITALITY

Baker	Event Planner	Pastry and Specialty Chefs
Caterer	Food and Beverage Manager	Restaurant Owner
Catering & Banquets Manager	Kitchen Manager	Restaurant Server
Deli worker	Line Cook	Service Manager
Executive Chef	Maître d'	Sous Chef

HIGH SCHOOL PATHWAY COURSES

Grade/Level	Essential Pathway Courses (Select at least one credit each level year.) (*Note: Level 1 is only 0.5 Credit)	
9	Freshman Seminar (Required) Potential Electives: Foods & Cultures	
Level 1	*Hospitality I	
Level 2	Hospitality II Psychology	Food Science
Level 3	Hospitality III (Internship) Psychology	Food Science

RECOMMENDED ELECTIVE COURSES TO ENHANCE PATHWAY

Department	Course(s)	
Business	Business Foundations Accounting I Business Law	Intro to Marketing Entrepreneurship
Math	Probability & Statistics	
World Languages	Spanish I / II / III	French I / II / III

POTENTIAL CERTIFICATIONS

Certification Name	Certifying Agency
Serv Safe – Food Safety Manager Certification	National Restaurant Assoc.

INFORMATION TECHNOLOGY PATHWAY **BACH**

Designing, developing, applying, implementing, supporting or managing computer-based information systems.

POTENTIAL CAREERS IN INFORMATION TECHNOLOGY

Database Administrator	Network Administrator	Systems Administrator
Data Systems Designer	Network Security Analyst	Telecommunications Network Technician
E-business Specialist	PC Support Specialist	User Support Specialist
Game Developer	Programmer	Virtual Reality Specialist
Information Tech Engineer	Software Applications Specialist	Web Developer

HIGH SCHOOL PATHWAY COURSES

Grade/Level	Essential Pathway Courses (Select at least one credit each level year.)
9	Freshman Seminar (Required) Potential Electives: IT Fundamentals, Computer Applications
Level 1	IT Fundamentals PLTW Computer Science Essentials
Level 2	IT Network 1 PLTW Computer Science Essentials
Level 3	IT Network 2 IT Internship

RECOMMENDED ELECTIVE COURSES TO ENHANCE PATHWAY

Department	Course(s)
Business	Computer Applications HSB Marketing
English	Greek & Roman Mythology
Math	Probability & Statistics AP Calculus AB
Performing Arts	Music Composition w/Tech
Science	Conceptual Physics

POTENTIAL CERTIFICATIONS

Certification Name	Certifying Agency
CompTIA IT Fundamentals	Comp TIA

PERFORMING ARTS PATHWAY **BACH**

Designing, producing and performing in entertaining careers in musical and/or theatrical performance.

POTENTIAL CAREERS IN PERFORMING ARTS

Actor	Director	Playwright
Critic	Dramaturg	Set Design
Composer	Event Coordinator	Sound Effects
Conductor	Instrumentalist	Stage Manager
Choreography	Make-Up Artist	Theatre Teacher
Costume Design	Music Teacher	Vocalist
Dancer	Performer	Voiceover Artist

HIGH SCHOOL PATHWAY COURSES

Grade/Level	Essential Pathway Courses (Select at least one credit each level year.)	
9	Freshman Seminar (Required) Potential Electives: Music Composition, Performing Arts	
Level 1	Music Composition Theatre Arts	Performing Arts
Level 2	Performing Arts Theatre Crafts Creative Writing AP Music Theory	Theatre Arts Advanced Acting Intro to Public Speaking
Level 3	Theatre Crafts Creative Writing AP Music Theory	Advanced Acting Intro to Public Speaking Capstone – Senior Recital

*Note: All students in this pathway must also participate in a performing ensemble and/or theatre production each level.

RECOMMENDED ELECTIVE COURSES TO ENHANCE PATHWAY

Department	Course(s)	
Art	3-D Art	Fashion Design
English	Greek & Roman Mythology Women Writers	World Mythology AP English Literature
Math	Probability & Statistics	
Physical Ed	Lifetime Wellness	Strength & Conditioning
Science	Conceptual Physics	AP Physics
Tech Ed	Construction I	Cabinetry I

POTENTIAL CERTIFICATIONS

Certification Name	Certifying Agency

STUDIO ARTS PATHWAY **BACH**

Creating visual arts, painting, photography, printmaking, sculpture, film/video, and more.

POTENTIAL CAREERS IN STUDIO ARTS

Animator	Commercial Photographer	Graphic Designer
Architect	Computer Animator	Illustrator
Art director	Curator	Interior Designer
Art teacher	Draftsperson	Jeweler
Artist	Fashion Designer	Printmaker
Ceramic/Craft Artist	Fashion Illustrator	Product Designer
Commercial Artist	Gallery Manager	Special Effects Artist

HIGH SCHOOL PATHWAY COURSES

Grade/Level	Essential Pathway Courses (Select at least one credit each level year.)	
9	Freshman Seminar (Required) Potential Electives: 2D Art, 3D Art	
Level 1	(*Columns reflect separate 2D Art or 3D Art Pathway focus)	
	2D Art Drawing Painting Printmaking	3D Art Ceramics Sculpture Fashion Design Metals & Glass
Level 2	Drawing Painting Printmaking Advanced Drawing AP Studio - Drawing	Ceramics Sculpture Fashion Design Metals & Glass AP Studio – 3D
Level 3	AP Studio – Drawing	AP 3D Studio

RECOMMENDED ELECTIVE COURSES TO ENHANCE PATHWAY

Department	Course(s)	
Business	Business Foundations Entrepreneurship	Intro to Marketing, Computer Applications
English	Greek & Roman Mythology	World Mythology
Math	Probability & Statistics	Geometry
Performing Arts	Music Composition	

POTENTIAL CERTIFICATIONS

Certification Name	Certifying Agency

WORLD LANGUAGES AND COMMUNICATIONS PATHWAY **BACH**

Exchanging information among individuals or groups through written documents, spoken word, or behaviors to increase awareness and understanding.

POTENTIAL CAREERS IN WORLD LANGUAGES & COMMUNICATIONS

Communication Specialist	International Health Care Worker	Public Relations
Consultant	International Land Developer	Teacher of World Languages
Customer Service Manager	International Tax Lawyer	Translator
International Economic Developer	Interpreter	Travel Agent

HIGH SCHOOL PATHWAY COURSES

Grade/Level	Essential Pathway Courses (Select at least one credit each level year.)
9	Freshman Seminar (Required) Potential Electives (Spanish I / II, French I)
Level 1	Spanish I / II / III / IV French I / II / III / IV Spanish for Spanish Speakers I / II / III
Level 2	Spanish II / III / IV / AP Spanish & Culture French II / III / IV / AP French & Culture Spanish for Spanish Speakers II / III / AP Spanish & Culture
Level 3	Spanish III / IV / AP Spanish & Culture French III / IV / AP French & Culture Spanish for Spanish Speakers III Additional course in other world language

RECOMMENDED ELECTIVE COURSES TO ENHANCE PATHWAY

Department	Course(s)
Business	Business Foundations Intro to Marketing Business Law Computer Applications
Social Studies	Current Events American Minorities Sociology Holocaust & Genocide
English	Women Writers AP English Literature Intro to Public Speaking
Math	Probability & Statistics AP Statistics AP Calculus AB AP Calculus BC

POTENTIAL CERTIFICATIONS

Certification Name	Certifying Agency
GEAC: Global Education Achievement Certificate	DPI
Retroactive credits	UW Universities

EDUCATION & CHILD DEVELOPMENT PATHWAY **HHPS**

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

POTENTIAL CAREERS IN EDUCATION & CHILD DEVELOPMENT

Administrator	Coach	Elementary Teacher
Assessment Specialist	College/University Faculty	High School Teacher
Career Tech Administrator	Counselor	Middle School Teacher
Child Care Worker	Curriculum Developer	Paraprofessional
Clinical Psychologist	Early Childhood Teacher	Principal
		Speech-Language Pathologist

HIGH SCHOOL PATHWAY COURSES

Grade/Level	Essential Pathway Courses (Select at least one credit each level year.)	
9	Freshman Seminar (Required) Potential Electives:	
Level 1	Psychology Early Childhood Education I	Child Development Early Childhood Education II
Level 2	AP Psychology Foundations of Education	Early Childhood Education II
Level 3	AP Psychology Early Childhood Education III (Internship)	Foundations of Education

RECOMMENDED ELECTIVE COURSES TO ENHANCE PATHWAY

Department	Course	
Business	Computer Applications	
English	AP Language & Composition Women Writers Intro to Public Speaking	AP Literature & Composition Blackhawk Communications
Math	Probability & Statistics AP Calculus AB	AP Statistics AP Calculus BC
Physical Ed	Lifeguarding	High School Officiating
Science	Anatomy & Physiology	
Social Studies	Sociology	Women's Studies
World Languages	Spanish I / II / III	French I / II / III

POTENTIAL CERTIFICATIONS

Certification Name	Certifying Agency
Infant & Toddler Teacher	UI DPI
Child Care Teacher	UI DPI
Assistant Child Care Teacher	UI DPI
Employability	UI DPI

HUMAN SERVICES PATHWAY **HHPS**

Providing social support such as counseling and mental health services, family and community services, personal care, and consumer services.

POTENTIAL CAREERS IN HUMAN SERVICES

Adult Day Care Worker	Geriatric Services Worker	Religious Leader
Community Service Director	Human Services Worker	Residential Advisor
Career Counselor	Mental Health Counselor	Social Worker
Counselor	Psychologist	Sociologist
Emergency Relief Worker	Rehabilitation Counselor	Substance Abuse Counselor
		Volunteer Coordinator

HIGH SCHOOL PATHWAY COURSES

Grade/Level	Essential Pathway Courses (Select at least one credit each level year.)	
9	Freshman Seminar (Required) Potential Electives: Computer Applications	
Level 1	Psychology Computer Applications	Sociology Child Development
Level 2	AP Psychology Advanced Health & Wellness	Sociology Child Development
Level 3	AP Psychology	Advanced Health & Wellness

RECOMMENDED ELECTIVE COURSES TO ENHANCE PATHWAY

Department	Course	
Art	Community Art	
English	AP Language & Composition Women Writers Intro to Public Speaking	AP Literature & Composition Blackhawk Communications
Family/Consumer Ed	Early Childhood I	Early Childhood II
Math	Probability & Statistics	AP Statistics
Physical Ed	Lifetime Wellness	
Social Studies	Current Events Holocaust & Genocide	African American Studies
World Languages	Spanish I / II / III	French I / II / III

POTENTIAL CERTIFICATIONS

Certification Name	Certifying Agency

LAW & PUBLIC SAFETY PATHWAY **HHPS**

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

POTENTIAL CAREERS IN LAW & PUBLIC SAFETY

Ambassador	Court Reporter	Federal Marshall
Attorney	Criminal Investigator	Firefighter
Bomb Technician	Cryptographer	Military Service Person
City Manager	Elected Official	Police Officer
Combat Control Officer	Emergency Medical Technician	World Service Officer
Commissioner		

HIGH SCHOOL PATHWAY COURSES

Grade/Level	Essential Pathway Courses (Select at least one credit each level year.)	
9	Freshman Seminar (Required) Potential Electives: JROTC LET I	
Level 1	JROTC - LET I Sociology	JROTC - LET II Psychology
Level 2	JROTC - LET II Criminal Law Sociology AP Psychology Fire Behavior & Combustion (BTC)	JROTC - LET III Business Law Psychology Forensic Science Intro to Corrections (BTC)
Level 3	JROTC - LET III Criminal Law AP Psychology Fire Behavior & Combustion (BTC)	JROTC - LET IV Business Law Forensic Science Intro to Corrections (BTC)

RECOMMENDED ELECTIVE COURSES TO ENHANCE PATHWAY

Department	Course	
Business	Business Foundations HSB	Accounting I Computer Applications
Math	Probability & Statistics	AP Statistics
Physical Ed	Lifeguarding	Strength & Conditioning
Science	General Chemistry Conceptual Physics	Chemistry in the Community
Social Studies	Current Events American Minorities	WH: World Conflicts African American Studies
World Languages	Spanish I / II / III	French I / II / III

POTENTIAL CERTIFICATIONS

Certification Name	Certifying Agency

LAND & RESOURCE MANAGEMENT PATHWAY **HHPS**

Researching, designing, strategically planning, and implementing to ensure human interactions with the environment have a minimal impact and efficiently use our scarce resources.

POTENTIAL CAREERS IN LAND & RESOURCE MANAGEMENT

DOT Inspector	Environmental Scientist	Health and Safety Manager
Environmental Compliance	Farmer	Industrial Hygienist
Environmental Engineer	First Responder	Ranger
Environmental Manager	Hazardous Materials Manager	Risk Manager
Environmental Protection	Health and Safety Engineer	Safety Analyst

HIGH SCHOOL PATHWAY COURSES

Grade/Level	Essential Pathway Courses (Select at least one credit each level year.)	
9	Freshman Seminar (Required) Potential Electives:	
Level 1	Physical World Botany	AP Human Geography Water, Weather & Climate
Level 2	Physical World Botany Water, Weather & Climate	AP Human Geography AP Environmental Science AP Biology
Level 3	AP Environmental Science AP Chemistry	AP Biology Outdoor Adventure

RECOMMENDED ELECTIVE COURSES TO ENHANCE PATHWAY

Department	Course	
Business	Business Foundations	Entrepreneurship
English	Blackhawk Communications	
Math	Probability & Statistics	AP Statistics
Physical Ed	Advanced Health	Strength & Conditioning
Social Studies	WH:Human Footprints	
World Languages	Spanish I / II / III	French I / II / III

POTENTIAL CERTIFICATIONS

Certification Name	Certifying Agency

MEDICAL & HEALTH SCIENCE PATHWAY **HHPS**

Healing others through the diagnosis, treatment, and prevention of disease and injuries.

POTENTIAL CAREERS IN MEDICAL & HEALTH SCIENCES

Anesthesiologist	Dental Laboratory Technician	Pharmacist
Athletic Trainer	Dermatologist	Physician
Biomedical Engineer	Medical Records Technician	Radiation Therapy Technologist
Biomedical Equipment Tech	Neurologist	Surgeon
Clinical Laboratory Technician	Nurse	Veterinarian

HIGH SCHOOL PATHWAY COURSES

Grade/Level	Essential Pathway Courses (Select at least one credit each level year.)	
9	Freshman Seminar (Required) Potential Electives:	
Level 1	General Chemistry Zoology Health Careers	Chemistry in the Community Botany Conceptual Physics
Level 2	General Chemistry Zoology Anatomy & Physiology AP Biology Health Careers Medical Terminology (BTC)	Chemistry in the Community Botany Conceptual Physics AP Chemistry Advanced Health & Wellness
Level 3	Advanced Health & Wellness AP Biology AP Physics	Anatomy & Physiology AP Chemistry Medical Terminology (BTC)

RECOMMENDED ELECTIVE COURSES TO ENHANCE PATHWAY

Department	Course	
Business	Business Foundations Accounting I Intro to Marketing	Computer Applications Entrepreneurship Business Law
English	AP Language & Composition Intro to Public Speaking	AP Literature & Composition Blackhawk Communications
Math	Probability & Statistics AP Calculus AB	AP Statistics AP Calculus BC
Physical Ed	Lifeguarding	Lifetime Wellness
Social Studies	Psychology	AP Psychology
World Languages	Spanish I / II / III	French I / II / III

POTENTIAL CERTIFICATIONS

Certification Name	Certifying Agency
Certified Nursing Assistant	Wisconsin Dept. of Health - BTC