



**2024-25**

***STUDENT NONDISCRIMINATION NOTICE***

The Mosinee School District shall not discriminate on the basis of sex, race, color, national origin, ancestry, creed, religion, pregnancy, marital or parental status, sexual orientation, handicap or physical, mental, emotional or learning disability or any other characteristic protected by state or federal law in the educational programs or activities which it operates or in employment practices.

All inquiries or complaints regarding discrimination under Title II, Title IX, Section 504 or other state or federal law shall be directed to the Director of Instructional Programs, Mosinee School District, 146001 State Hwy 153, Mosinee, Wisconsin 54455 at 715-693-2530.

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Dear Parents and Students:

We are pleased to provide this **Career Planning and Course Guide** to assist you in your course selection and registration for the upcoming school year. A registration calendar is included listing pertinent dates and information to help guide you through this process. In addition, this booklet contains important information on post-high school planning to aid you as you make your current course selections. Pages 105 through 110 provide four-year and technical college acceptance policies, financial aid opportunities, and other relevant information. We invite you to use all of these valuable resource materials.

The Career Cluster information is used to identify each student's interests and abilities so they may select the recommended classes that relate to each specific career area. We have provided sixteen different career clusters and have linked our courses to each cluster.

Please note: **The registration process must be completed by February 9, 2024.** As our enrollment continues to rise, student placement in elective classes is becoming more difficult. When course requests exceed the number of teachers we have available for a particular course, preference will be given to older students first, provided they have met the registration deadline.

Please take your time, use this material, and don't hesitate to call on the resources of our high school to assist you. We look forward to serving you during the upcoming school year.

Sincerely yours,

Daniel Halvorsen  
Principal  
Mosinee High School



# AGRICULTURE & NATURAL RESOURCES

Agriculture in Wisconsin includes science, marketing, service, production, supply, processing, preservation of the food supply, plants, animals, and natural resources.

This area employs over 12% of Wisconsin's workforce.

###



## INTERESTS & ABILITIES

### Animals:

- Working with sick or injured animals
- Working with companion animals like dogs and cats
- Working with unique species such as fish for food
- A medical field
- Marine biology

### Plants:

- Caring for plants in your home or yard
- Designing landscapes for homes or businesses
- Developing new plants or modifying existing ones
- Relate well to feelings and thoughts of others
- What plants need to grow successfully

### Natural Resources:

- Native fish and their aquatic habits
- Forest ecosystems
- Preservation of endangered species
- Wolves and whitetails in Wisconsin

### Foods:

- What makes bread rise and pop fizz
- Being a food scientist
- Designing new food and flavors
- How science is used to process food



## RECOMMENDED COURSES FOR THE AGRICULTURE & NATURAL RESOURCES CLUSTER

|                                  |                                 |   |
|----------------------------------|---------------------------------|---|
| Agriculture 1                    | Engineering Basics              | Chemistry and AP <sup>®</sup> Chemistry |
| REAL Keyboarding                 | Algebra 2                       | Environmental History                   |
| Introduction to Business         | AP <sup>®</sup> Statistics      | Spanish                                 |
| Oral Interpersonal Communication | Biology and/or Advanced Biology | Written Communication                   |

## PATHWAY SPECIFIC COURSES

|   |                                       |  |
|---|---------------------------------------|--|
| <b>Power/ Structural/ Technical Systems</b> | <b>Natural Resource Systems</b>       | <b>Environmental Service Systems</b>     |
| Ag Power & Technology                       | Ag Resource Management & Conservation | Environmental History                    |
| AP <sup>®</sup> Physics 1                   | Agriculture 4                         | AP <sup>®</sup> Environmental Science    |
| AP <sup>®</sup> Physics 2                   |                                       | Agriculture 4                            |
| Mosinee Manufacturing                       | <b>Animal Systems</b>                 |  |
|   | Domestic Animal Care                  | <b>Food Products/ Processing Systems</b> |
| <b>Plant Systems</b>                        | Agriculture 3                         | Foods 3                                  |
| Agriculture 2                               |                                       | AP <sup>®</sup> Physics 1                |
| Agriculture 4                               |                                       | AP <sup>®</sup> Physics 2                |
|   |                                       | Food Science                             |

## PATHWAYS IN THIS CLUSTER

- Food Products and Processing Systems
- Plant Systems
- Animal Systems
- Power, Structural, and Technical Systems
- Natural Resource Systems
- Environmental Service Systems
- Agribusiness Systems

# AGRICULTURE & NATURAL RESOURCES

## Possible Careers with...

### HIGH SCHOOL DIPLOMA

*On-the-job training and/or minimal experience*

|             |                            |                   |
|-------------|----------------------------|-------------------|
| Beekeeper   | Fisherman                  | Nursery Worker    |
| Stable Hand | Crop Sprayer               | Landscape Laborer |
| Pet Groomer | Veterinary Hospital Worker | Farm Worker       |
| Logger      | Pet Shop Worker            |                   |

### PROGRAM CERTIFICATE/ASSOCIATE DEGREE

*Community college, technical college, apprenticeship, experience, military*

|                                 |                        |                          |
|---------------------------------|------------------------|--------------------------|
| Arborist                        | Crop/Animal Farmer     | Genetic Technologist     |
| Turf Manager                    | Animal Control Officer | Environmental Technician |
| Golf Course Manager             | Veterinary Technician  | Animal Nutritionist      |
| Farrier                         | Greenhouse Manager     | Waste Water Technician   |
| Biotech Lab Technician          | Fish and Game Officer  | Horticulturist           |
| Cheesemaker                     | Forestry Technician    | Landscape Designer       |
| Food Quality Control Specialist |                        |                          |

### BACHELORS, PRE-PROFESSIONAL OR HIGHER DEGREE

*Colleges/Universities*

|                                 |                                       |                       |
|---------------------------------|---------------------------------------|-----------------------|
| Agricultural Commodities Broker | Animal Scientist                      | Geneticist            |
| Soil Scientist                  | Agricultural Economist                | Biochemist            |
| Greenhouse Operator             | Toxicologist                          | Agricultural Educator |
| Botanist                        | Landscape Architect                   | USDA Inspector        |
| Agricultural Engineer           | Entomologist                          | Marine Biologist      |
| Veterinarian                    | Agricultural Sales and Communications | Food Scientist        |
| Plant Pathologist               | Wildlife Biologist                    | Agriculture Banker    |
| Forester                        | Soil Geologist                        | Zoologist             |
| Animal Psychologist             | Game Warden                           |                       |



### ADDITIONAL RESOURCES RELATED TO THIS CLUSTER

<http://uwhelp.wisconsin.edu/>

<http://www.witechcolleges.com/>

<http://www.wicareerpathways.org/>

### RELATED CO-CURRICULAR, STUDENT ORGANIZATIONS & ACTIVITIES

FFA • DECA • Trees for Tomorrow  
Forensics



# ARCHITECTURE & CONSTRUCTION

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

###



## INTERESTS & ABILITIES

**Activities that describe what I like to do:**

- Read and follow blueprints and instructions
- Picture in my mind what a finished product looks like

**Work with my hands:**

- Perform work that requires precise results
- Solve technical problems
- Visit/learn from beautiful, historic, or interesting buildings
- Follow logical, step-by-step procedures

**Personal qualities that describe me:**

- Curious
- Good at following directions
- Pay attention to detail
- Good at visualizing possibilities
- Patient and persistent

**School subjects that I like:**

- Math
- Drafting
- Physical Sciences
- Construction Trades
- Electrical/Heat/AC/Refrigeration, Technology Education



## RECOMMENDED COURSES FOR THE ARCHITECTURE & CONSTRUCTION CLUSTER

Accounting 1

Art Courses

Economics

Oral Interpersonal  
Communication

Geometry

Introduction to  
Sociology

## PATHWAY SPECIFIC COURSES

### Design/ Preconstruction

Basic Interior  
Design

Engineering Basics

Advanced  
Engineering

Algebra 2

AP® Physics 1

AP® Physics 2

Introduction to  
FabLab

Make Something Big

### Construction

Construction 1

Construction 2

Spanish 4

Intro. to Metalworking

Chemistry and  
AP® Chemistry

### Maintenance/ Operations

Spanish 4

Engineering  
Applications

Intro. to Metalworking

Construction 1

Construction 2

Engineering Basics

Chemistry and  
AP® Chemistry

## PATHWAYS IN THIS CLUSTER

- Design/Preconstruction
- Construction
- Maintenance/Operations

# ARCHITECTURE & CONSTRUCTION

## Possible Careers with...

### HIGH SCHOOL DIPLOMA

*On-the-job training and/or minimal experience*

Construction Laborer

Highway Maintenance

Grader Operator

Construction Worker Helper

Worker

Heavy Equipment Operator

Fence Builder

Roofer

Grounds keeper/Gardener

Tile Setter

### PROGRAM CERTIFICATE/ASSOCIATE DEGREE

*Community college, technical college, apprenticeship, experience, military*

HVAC Technician

Drywall Installer

Plumber

Architectural Drafter

Electrician

Tile Setter

Bricklayer

Glazier

Civil Engineering Technician

Carpenter

Pipe fitter

Electrical Engineering Technician

Cement Mason

Plasterer

### BACHELORS, PRE-PROFESSIONAL OR HIGHER DEGREE

*Colleges/Universities*

Architect

Civil Engineer

Grounds Supervisor

Building Contractor

Cost Estimator

Interior Design

CAD Designer

Electrical Engineer

Landscape Architect



### ADDITIONAL RESOURCES RELATED TO THIS CLUSTER

<http://uwhelp.wisconsin.edu/>

<http://www.witechcolleges.com/>

<http://www.wicareerpathways.org/>

### RELATED CO-CURRICULAR, STUDENT ORGANIZATIONS & ACTIVITIES

Manufacturing Club • Science Olympiad • Math League  
FFA • Forensics • DECA

# 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.

###



## INTERESTS & ABILITIES

Activities that describe what I like to do:

- Use imagination to communicate new information to others
- Perform in front of others
- Read and write
- Play a musical instrument
- Perform creative, artistic activities
- Use video and recording technology
- Design brochures and posters

Personal qualities that describe me:

- Creative and imaginative
- Good communicator/good vocabulary
- Curious about new technology
- Relate well to feelings and thoughts of others
- Determined and tenacious

School subjects that I like:

- Art/graphic design
- Music
- Speech and Drama
- Journalism/Literature
- Audiovisual Technologies



## RECOMMENDED COURSES FOR THE ARTS, A/V TECHNOLOGY, AND COMMUNICATIONS CLUSTER

|                                  |                              |                            |
|----------------------------------|------------------------------|----------------------------|
| REAL Keyboarding                 | Historical Media             | Introduction to Psychology |
| Marketing Principles             | Current Issues in Psychology |                            |
| Oral Interpersonal Communication | Written Communication        |                            |
| Algebra 2                        |                              |                            |

## PATHWAY SPECIFIC COURSES

### Audio & Video Technology & Film

Introduction to Film  
Art Courses  
Digital Photography

### Journalism & Broadcasting

Different Voices  
Multimedia Design  
Communications  
AP® U.S. History

### Performing Arts

Choir Courses  
Ensembles  
Introduction to Film  
Symphonic Band  
Design Principles  
Fashion Analysis

### Printing Technology

Multimedia Design  
Communications  
Art Courses

### Telecommunications

#### Visual Arts

Introduction to Art  
Drawing and Painting 2  
Clay 2  
Advanced Art - Clay  
Advanced Art - Drawing & Painting  
AP® Studio Art  
Jewelry

## PATHWAYS IN THIS CLUSTER

- Audio and Visual Technology and Film
- Performing Arts
- Visual Arts
- Telecommunications
- Printing Technology
- Journalism and Broadcasting

# ARTS, A/V TECHNOLOGY & COMMUNICATIONS

## Possible Careers with...

### HIGH SCHOOL DIPLOMA

*On-the-job training and/or minimal experience*

Floral Designer

Proofreader

Mural Painter

Food Stylist

Sign Designer/Painter

Photographer

Musician

Stained Glass

Pre-Press

### PROGRAM CERTIFICATE/ASSOCIATE DEGREE

*Community college, technical college, apprenticeship, experience, military*

Animator

Pre-press Technician

Sign Painter

Bookbinder

Printing Press Operator

Potter

Broadcast Technician

Recording Technician

Graphic Designer

Caption Writer

Taxidermist

Music Repair Technician

Communications Line Technician

Public Relations Manager

Craft Artist

### BACHELORS, PRE-PROFESSIONAL OR HIGHER DEGREE

*Colleges/Universities*

Animator

Illustrator

Videographer

Artist

Jeweler

Journalist

Cinematographer

Architect

Musician

Composer

Interior Decorator

Music Teacher

Copy Editor

Art Teacher

Music Therapist

Dancer

Art Professor

Photographer

Art Therapist

Recording Engineer

Potter

Graphic Designer

Music Repair

Set Designers Reporter



### ADDITIONAL RESOURCES RELATED TO THIS CLUSTER

<http://uwhelp.wisconsin.edu/>

<http://www.witechcolleges.com/>

<http://www.wicareerpathways.org/>

### RELATED CO-CURRICULAR, STUDENT ORGANIZATIONS & ACTIVITIES

Theater/One-Act Play • Vocalmotion • Yearbook  
Art Club • Forensics • Dance Team • Multimedia Design Club  
Pep/Jazz Band • Solo & Ensemble

# 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.

###



## INTERESTS & ABILITIES

Activities that describe what I like to do:

- Perform routine, organized activities, but can be flexible
- Work with numbers and detailed information
- Be a leader in a group
- Make business contact with people
- Work with computer programs
- Create reports and communicate ideas
- Plan work and follow instructions without close supervision

Personality qualities that describe me:

- Organized
- Practical and logical
- Patient
- Tactful
- Responsible

School subjects that I like:

- Computer Applications/Business/Information Technology
- Accounting
- Math
- English
- Economics



## RECOMMENDED COURSES FOR THE BUSINESS MANAGEMENT & ADMINISTRATION CLUSTER

|                                  |   |                              |
|----------------------------------|---|------------------------------|
| Agriculture 3                    | Multimedia Design Pro                     | Introduction to Sociology    |
| REAL Keyboarding                 | Mosinee Manufacturing                     | Introduction to Psychology   |
| Accounting 1                     | Financial Algebra                         | Current Issues in Psychology |
| Accounting 2                     | AP <sup>®</sup> Precalculus               | World Languages              |
| Introduction to Business         | AP <sup>®</sup> Statistics                | Written Communication        |
| Marketing Principles             | Youth Apprenticeship - Financial Services |                              |
| Oral Interpersonal Communication | Economics                                 |                              |

## PATHWAY SPECIFIC COURSES

Administrative Services

Business Information Management

Operations Management

Human Resource Management

General Management

## PATHWAYS IN THIS CLUSTER

- Administrative Services
- Business Information Management
- General Management
- Human Resource Management
- Operations Management

# BUSINESS MANAGEMENT & ADMINISTRATION

## Possible Careers with...

### HIGH SCHOOL DIPLOMA

#### On-the-job training and/or minimal experience

|              |                      |                           |
|--------------|----------------------|---------------------------|
| Bank Teller  | Sales Clerk          | Billing, Cost, Rate Clerk |
| Caterer      | Telephone Operator   | Clerk                     |
| File Clerk   | Typist               | Hospital Admitting        |
| Mail Clerk   | Human Resource Clerk | Receptionist              |
| Meter Reader | Hotel Clerk          | Data Entry Clerk          |

### PROGRAM CERTIFICATE/ASSOCIATE DEGREE

#### Community college, technical college, apprenticeship, experience, military

|                          |                      |                         |
|--------------------------|----------------------|-------------------------|
| Accountant               | Small Business Owner | Management Trainee      |
| Administrative Assistant | Stenographer         | Word Processor          |
| Computer Operator        | Tax Preparer         | Retail Sales Supervisor |
| Court Reporter           | Funeral Director     | Industrial Clerk        |
| Kennel Owner             |                      |                         |

### BACHELORS, PRE-PROFESSIONAL OR HIGHER DEGREE

#### Colleges/Universities

|                                  |                                |                       |
|----------------------------------|--------------------------------|-----------------------|
| Accountant - CPA                 | Health Care Administrator      | Sales Representative  |
| Advertising Manager              | Human Resources Manager        | Theater Manager       |
| Art Director                     | Instrument Sales/Manufacturing | Travel Agency Manager |
| Business and Industry Consultant | Event Planner                  |                       |



### ADDITIONAL RESOURCES RELATED TO THIS CLUSTER

<http://uwhelp.wisconsin.edu/>

<http://www.witechcolleges.com/>

<http://www.wicareerpathways.org/>

### RELATED CO-CURRICULAR, STUDENT ORGANIZATIONS & ACTIVITIES

DECA • Math League • Student Senate  
Forensics



# EDUCATION & TRAINING

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

###



## INTERESTS & ABILITIES

Activities that describe what I like to do:

- Communicate with different types of people
- Help others with homework or to learn new things
- Go to school
- Direct and plan activities for others
- Handle several responsibilities at once
- Acquire new information
- Help people overcome challenges

Personality qualities that describe me:

- Friendly
- Decision-maker
- Helpful
- Innovative/inquisitive
- Good listener

School subjects that I like:

- Language Arts
- Social Studies
- Math
- Science
- Psychology



## RECOMMENDED COURSES FOR THE EDUCATION & TRAINING CLUSTER

|                                  |                                   |                              |
|----------------------------------|-----------------------------------|------------------------------|
| REAL Keyboarding                 | Financial Algebra                 | Global Conflict              |
| AP® English Literature           | AP® Precalculus                   | Introduction to Teaching     |
| Different Voices                 | Biology and/or Advanced Biology   | Introduction to Sociology    |
| Oral Interpersonal Communication | Chemistry and AP® Chemistry       | Current Issues in Psychology |
| AP® Language and Composition     | AP® Physics 1                     | World Languages              |
| Choir Courses                    | AP® Physics 2                     | Written Communication        |
| Internship                       | AP® U.S. History                  | Introduction to Psychology   |
| Student Leader Mentorship        | Introduction to Diversity Studies |                              |

## PATHWAY SPECIFIC COURSES

- ### PATHWAYS IN THIS CLUSTER
- Administration and Administrative Support
  - Professional Support Services
  - Teaching/Training

**Administration & Administrative Support**  
Financial Literacy  
Accounting 1  
AP® Statistics

**Professional Support Services**  
Child Development  
Careers with Kids

**Teaching/Training**  
Introduction to Teaching

# EDUCATION & TRAINING

## Possible Careers with...

### HIGH SCHOOL DIPLOMA

*On-the-job training and/or minimal experience*

Aerobic Instructor

Library Assistant

Child Care Assistant

Self-enrichment Teacher

Dance Teacher

### PROGRAM CERTIFICATE/ASSOCIATE DEGREE

*Community college, technical college, apprenticeship, experience, military*

Computer Installation and Demonstration

Library Technician

Preschool Teacher

Sign Language Interpreter

Teacher Assistant

### BACHELORS, PRE-PROFESSIONAL OR HIGHER DEGREE

*Colleges/Universities*

Apprenticeship Consultant

School Psychologist

School Counselor

Bilingual Educator

Secondary School Teacher

University Professor

Educational Administrator

Teacher of the Blind

Training Program Manager

Instructional Coordinator

Vocational Education Teacher

Elementary School Teacher

Kindergarten Teacher

Librarian

Special Education Teacher

Music Teacher

Speech-Language Pathologist

Adult Literacy Teacher

Music Therapist



### ADDITIONAL RESOURCES RELATED TO THIS CLUSTER

<http://uwhelp.wisconsin.edu/>

<http://www.witechcolleges.com/>

<http://www.wicareerpathways.org/>

### RELATED CO-CURRICULAR, STUDENT ORGANIZATIONS & ACTIVITIES

PRIDE Club • TNT • Community Volunteer  
Student Senate • Forensics • National Honor Society  
Library Club • Theater/One Act Play • FFA  
Vocal Music Activities • Symphonic Band Activities  
Yearbook • Athletics • DECA • M-Club  
Manufacturing Club • Multimedia Design Club  
Math League



# FINANCE

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

###



## INTERESTS & ABILITIES

Activities that describe what I like to do:

- Work with numbers
- Work to meet a deadline
- Make predictions based on existing facts
- Have a framework of rules by which to operate
- Analyze financial information and interpret it to others
- Handle money with accuracy and reliability
- Take pride in the way I dress and look

Personality qualities that describe me:

- Trustworthy
- Orderly
- Self-confident
- Logical
- Methodical or efficient

School subjects that I like:

- Accounting
- Math
- Economics
- Banking/Financial Services
- Business Law



## RECOMMENDED COURSES FOR THE FINANCE CLUSTER

|                                  |                    |   |
|----------------------------------|--------------------|---|
| Agriculture 3                    | Financial Algebra  | Youth Apprenticeship - Financial Services |
| REAL Keyboarding                 | AP® Precalculus    | Economics                                 |
| Accounting 1                     | AP® Statistics     | World Languages                           |
| Oral Interpersonal Communication | Financial Literacy |   |

## PATHWAY SPECIFIC COURSES

### Accounting

Introduction to Business

### Banking Services

Marketing Principles

### Securities & Investments

Financial Literacy

Written Communication

Marketing Principles

## PATHWAYS IN THIS CLUSTER

- Accounting
- Banking Services
- Business Finance
- Insurance
- Securities and Investments

# FINANCE

## Possible Careers with...

### HIGH SCHOOL DIPLOMA

*On-the-job training and/or minimal experience*

Bill and Account Collector  
Brokerage Clerk  
Cashier

### PROGRAM CERTIFICATE/ASSOCIATE DEGREE

*Community college, technical college, apprenticeship, experience, military*

|                               |                             |
|-------------------------------|-----------------------------|
| Accountant                    | Investigator and Adjuster   |
| Brokerage Clerk               | Loan Officer                |
| Claims Adjuster               | Personal Property Appraiser |
| Financial Institution Manager | Insurance Agent             |

### BACHELORS, PRE-PROFESSIONAL OR HIGHER DEGREE

*Colleges/Universities*

|                        |                                |                                  |
|------------------------|--------------------------------|----------------------------------|
| Accountant/CPA         | Credit Analyst                 | Real Estate Appraiser            |
| Actuary                | Credit Card Operations Manager | School District Business Manager |
| Auditor                | Economist                      | Stockbroker                      |
| Brokerage Clerk        | Financial Advisor              | Business and Industry Consultant |
| Insurance Underwriter  | Controller                     | Investment Advisor               |
| Music Store Accountant |                                |                                  |



### ADDITIONAL RESOURCES RELATED TO THIS CLUSTER

<http://uwhelp.wisconsin.edu/>

<http://www.witechcolleges.com/>

<http://www.wicareerpathways.org/>

### RELATED CO-CURRICULAR, STUDENT ORGANIZATIONS & ACTIVITIES

DECA • Business World • Business Challenge  
School Store • FFA • Manufacturing Club

# 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.

###



## INTERESTS & ABILITIES

Activities that describe what I like to do:

- Be involved in politics
- Negotiate, defend, and debate ideas and topics
- Plan activities and work cooperatively with others
- Work with details
- Perform a variety of duties that may change often
- Analyze information and interpret it to others
- Travel and see things that are new

Personal qualities that describe me:

- Good communicator
- Competitive
- Service-minded
- Well organized
- Problem solver

School subjects that I like:

- Government
- Language Arts
- History
- Math
- Foreign Language



## RECOMMENDED COURSES FOR THE GOVERNMENT & PUBLIC ADMINISTRATION CLUSTER

|                                  |                              |                              |
|----------------------------------|------------------------------|------------------------------|
| REAL Keyboarding                 | AP® Language and Composition | Introduction to Psychology   |
| Written Communication            | Algebra 2                    | Current Issues in Psychology |
| Oral Interpersonal Communication | Economics                    | World Languages              |
|                                  | Introduction to Sociology    |                              |

## PATHWAY SPECIFIC COURSES

|  |   |  |
|--|---|--|
| <b>Governance</b><br>Different Voices  | <b>Revenue and Taxation</b><br>Financial Algebra<br>AP® Statistics<br>AP® Precalculus<br>Accounting 1<br>Financial Literacy | <b>Public Management</b><br>Environmental History<br>AP® Environmental Science<br>AP® Statistics |
| <b>Foreign Service</b><br>Introduction to Diversity Studies<br>Global Conflict<br>Different Voices                       | <b>Planning</b><br>Financial Algebra<br>AP® Statistics<br>AP® Precalculus   |  |
| <b>National Security</b><br>Personal Defense<br>Introduction to Diversity Studies<br>Global Conflict<br>Different Voices |   |  |

## PATHWAYS IN THIS CLUSTER

- Governance
- National Security
- Foreign Service
- Planning
- Revenue and Taxation
- Regulation
- Public Management

# GOVERNMENT & PUBLIC ADMINISTRATION

## Possible Careers with...

### HIGH SCHOOL DIPLOMA

*On-the-job training and/or minimal experience*

Mail Carrier

Mail Handling Machine Operator

Postal Clerk

License Clerk

Drivers License Examiner

Infantry Forces

### PROGRAM CERTIFICATE/ASSOCIATE DEGREE

*Community college, technical college, apprenticeship, experience, military*

Coroner

Accountant

Infantry Forces

City Planning Aide

Association Executive

Special Forces

Building Inspector

Postmaster

Title Examiner

Transportation Inspector

### BACHELORS, PRE-PROFESSIONAL OR HIGHER DEGREE

*Colleges/Universities*

Accountant

Emergency Management Specialist

Legislator

Public Utilities Manager

Apprenticeship Consultant

Music Administrator

Occupational Health/Safety Specialist

Aviation Security Specialist

Equal Opportunity Specialist

Political Scientist

City Manager

Special Operations Officer

Peace Corps Volunteer

Dean of Students

Infantry Officer

Social Services Administrator

Lawyer

Urban Planner

Translator/Interpreter



### ADDITIONAL RESOURCES RELATED TO THIS CLUSTER

<http://uwhelp.wisconsin.edu/>

<http://www.witechcolleges.com/>

<http://www.wicareerpathways.org/>

### RELATED CO-CURRICULAR, STUDENT ORGANIZATIONS & ACTIVITIES

Forensics • Athletics • DECA

Voice of Democracy

# HEALTH SCIENCE

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

###



## INTERESTS & ABILITIES

Activities that describe what I like to do:

- Work under pressure
- Help sick people and animals
- Make decisions based on logic and information
- Participate in health and science classes
- Respond quickly and calmly in emergencies
- Work as a member of a team
- Follow guidelines precisely and meet strict standards of accuracy

Personal qualities that describe me:

- Compassionate and caring
- Good at following directions
- Conscientious and careful
- Patient
- Good listener

School subjects that I like:

- Biological Sciences
- Chemistry
- Math
- Occupational Health classes
- Language Arts



## RECOMMENDED COURSES FOR THE HEALTH SCIENCE CLUSTER

|                                  |                                 |                              |
|----------------------------------|---------------------------------|------------------------------|
| REAL Keyboarding                 | Youth Apprenticeship - Health   | Introduction to Psychology   |
| Written Communication            | Biology and/or Advanced Biology | Current Issues in Psychology |
| Oral Interpersonal Communication | Chemistry and AP® Chemistry     | World Languages              |
| AP® Language and Composition     | AP® Physics 1                   | Health Occupations           |
| Algebra 2                        | AP® Physics 2                   | Medical Terminology          |
| AP® Statistics                   | Introduction to Sociology       | Body, Structure and Function |

## PATHWAY SPECIFIC COURSES

|                             |                            |   |
|-----------------------------|----------------------------|---|
| <b>Therapeutic Services</b> | <b>Support Services</b>    | <b>Biotechnology Research/Development</b> |
| Swimming                    | Economics                  | Domestic Animal Care                      |
| Weightlifting               | Accounting 1               | AP® Calculus                              |
| Domestic Animal Care        | Early Childhood Services   | Agriculture 3                             |
| Fine Arts Courses           | Multimedia Design          |   |
| Yoga                        |                            | <b>Health Information</b>                 |
| Advanced Yoga               | <b>Diagnostic Services</b> | Economics                                 |
|                             |                            | Accounting 1                              |
|                             |                            | Multimedia Design                         |

## PATHWAYS IN THIS CLUSTER

- Therapeutic Services
- Diagnostic Services
- Health Information
- Support Services
- Biotechnology Research and Development

# HEALTH SCIENCE

## Possible Careers with...

### HIGH SCHOOL DIPLOMA

*On-the-job training and/or minimal experience*

Certified Nursing Assistant

Clerk

Food Service Worker

Hospital Admitting

### PROGRAM CERTIFICATE/ASSOCIATE DEGREE

*Community college, technical college, apprenticeship, experience, military*

Emergency Medical Technician

Surgical Technician

Dental Assistant

Home Health Aide

Translator and Interpreter

Dental Hygienist

Massage Therapist

Ultrasound Technician

Dialysis Technician

Physical Therapy Aide

Medical Assistant

Occupational Therapy Assistant

Radiology Technologist

Registered Nurse

Respiratory Therapist

Cardiac Rehabilitation Specialist

### BACHELORS, PRE-PROFESSIONAL OR HIGHER DEGREE

*Colleges/Universities*

Athletic Trainer

Pharmacist

Podiatrist

Chiropractor

Primary Care Physician

Oral Surgeon

Dentist

Psychiatrist

Registered Nurse

Dietician

Surgeon

Nurse Practitioner

Occupational Therapist

Geneticist

Anesthesiologist

Music Therapist

Statistician

Hemotherapist



### ADDITIONAL RESOURCES RELATED TO THIS CLUSTER

<http://uwhelp.wisconsin.edu/>

<http://www.witechcolleges.com/>

<http://www.wicareerpathways.org/>

### RELATED CO-CURRICULAR, STUDENT ORGANIZATIONS & ACTIVITIES

National Honor Society • FFA • DECA • Athletics  
CNA Training



# HOSPITALITY & TOURISM

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

###



## INTERESTS & ABILITIES

Activities that describe what I like to do:

- Investigate new places and activities
- Work with all ages and types of people
- Organize activities in which people enjoy themselves
- Have a flexible schedule
- Help people make up their minds
- Communicate easily, tactful, and courteously
- Learn about other cultures

Personal qualities that describe me:

- Tactful
- Self-motivated
- Works well with others
- Outgoing
- Slow to anger

School subjects that I like:

- Language Arts/Speech
- Foreign Language
- Social Sciences
- Marketing
- Food Services



## RECOMMENDED COURSES FOR THE HOSPITALITY & TOURISM CLUSTER

|                              |                                  |                              |
|------------------------------|----------------------------------|------------------------------|
| REAL Keyboarding             | Written Communication            | Foods 2                      |
| Financial Literacy           | Oral Interpersonal Communication | Multimedia Design            |
| Introduction to Business     | Accounting 1                     | Current Issues in Psychology |
| Marketing Principles         | Algebra 2                        | World Languages              |
| AP® Language and Composition | Economics                        | Introduction to Psychology   |
| AP® English Literature       | Choir Courses                    |                              |
|                              | Internship                       |                              |

## PATHWAY SPECIFIC COURSES

### Restaurant/Food/Beverages Services

Foods 3  
Advanced Biology  
Food Science

### Recreation, Amusements, Attractions

Music Courses  
Ag Resource Mgt.  
Art Courses

### Lodging

Construction 1  
Construction 2  
Basic Interior Design

### Travel and Tourism

Introduction to Diversity Studies  
Global Conflict  
Adventure Fitness  
Different Voices  
Art Courses  
Health Occupations

## PATHWAYS IN THIS CLUSTER

- Restaurant/Food/Beverages Services
- Lodging
- Travel and Tourism
- Recreation, Amusements, Attractions

# HOSPITALITY & TOURISM

## Possible Careers with...

### HIGH SCHOOL DIPLOMA

#### On-the-job training and/or minimal experience

|                                  |                              |                      |
|----------------------------------|------------------------------|----------------------|
| Baggage Porter/Bellhop           | Gaming Changer/Booth Cashier | Janitor              |
| Cake Decorator                   | Hotel Clerk                  | Concierge            |
| Guide                            | Waiter/Waitress              | Day Worker           |
| Usher                            | Short Order Cook             | Food Attendant       |
| Wardrobe/Dressing Room Attendant | Restaurant Host/Hostess      | Furniture Refinisher |
| Hotel/Motel Cleaner              |                              |                      |

### PROGRAM CERTIFICATE/ASSOCIATE DEGREE

#### Community college, technical college, apprenticeship, experience, military

|                   |                         |                        |
|-------------------|-------------------------|------------------------|
| Club Manager      | Restaurant Manager      | Conference Planner     |
| Taxidermist       | Food Service Supervisor | Translator/Interpreter |
| Household Manager | Caterer                 | Hotel/Motel Manager    |
| Concierge         | Recreation Director     | Restaurant Cook/Chef   |

### BACHELORS, PRE-PROFESSIONAL OR HIGHER DEGREE

#### Colleges/Universities

|                         |                     |                        |
|-------------------------|---------------------|------------------------|
| Archivist               | Historian           | Resort Manager         |
| Coach                   | Musician's Agent    | Theater Manager        |
| Conservation Technician | Park Ranger         | Translator/Interpreter |
| Curator                 | Recreation Director | Zookeeper              |



### ADDITIONAL RESOURCES RELATED TO THIS CLUSTER

<http://uwhelp.wisconsin.edu/>

<http://www.witechcolleges.com/>

<http://www.wicareerpathways.org/>

### RELATED CO-CURRICULAR, STUDENT ORGANIZATIONS & ACTIVITIES

DECA • Forensics • Vocalmotion  
Multimedia Design Club • FCCLA  
Band Club • Theater/One Act Play • Outdoors Club



# HUMAN SERVICES

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

###



## INTERESTS & ABILITIES

Activities that describe what I like to do:

- Care about people, their needs, and their problems
- Participate in community services and/or volunteering
- Listen to other people's viewpoints
- Help people be at their best
- Work with people from preschool age to old age
- Think of new ways to do things
- Make friends with different kinds of people

Personal qualities that describe me:

- Good communicator/good listener
- Caring
- Non-materialistic
- Uses intuition and logic
- Non-judgmental

School subjects that I like:

- Language Arts
- Psychology/Introduction to Sociology
- Family and Consumer Sciences
- Finance
- Foreign Language



## RECOMMENDED COURSES FOR THE HUMAN SERVICES CLUSTER

|                                      |                                 |                              |
|--------------------------------------|---------------------------------|------------------------------|
| REAL Keyboarding                     | Internship                      | Current Issues in Psychology |
| Different Voices                     | Algebra 2                       | World Languages              |
| Oral Interpersonal Communication     | Biology and/or Advanced Biology | Written Communication        |
| AP® English Language and Composition | Chemistry and AP® Chemistry     | Introduction to Psychology   |
| Child Development                    | Introduction to Sociology       |                              |

## PATHWAY SPECIFIC COURSES

### Early Childhood Develop. & Services

Careers with Kids

### Consumer Services

Financial Literacy  
Economics

### Personal Care Services

Financial Literacy  
Health Occupations  
Foods 3

### Family & Community Services

Financial Literacy  
Foods 3

### Counseling & Mental Health Services

Health Occupations  
AP® Statistics  
Medical Terminology

## PATHWAYS IN THIS CLUSTER

- Early Childhood Development and Services
- Counseling and Mental Health Services
- Family and Community Services
- Personal Care Services
- Consumer Services

# HUMAN SERVICES

## Possible Careers with...

### HIGH SCHOOL DIPLOMA

*On-the-job training and/or minimal experience*

Aerobics Instructor

Crossing Guard

Household Cook

Nanny

### PROGRAM CERTIFICATE/ASSOCIATE DEGREE

*Community college, technical college, apprenticeship, experience, military*

Community Organization Worker

Skin Care Specialist

Cosmetologist

Embalmer

Funeral Director

Child Care Assistant

Institutional Cook

Preschool Teacher

Nail Technician

Shoe Repairer

### BACHELORS, PRE-PROFESSIONAL OR HIGHER DEGREE

*Colleges/Universities*

Dietician

Psychologist

Alcohol/Drug Abuse Counselor

Investment Advisor

School Counselor

Career Counselor

Liturgical Minister

Sociologist

Financial Counselor

Clergy

Social Worker

Personal Counselor

Music Therapist

Vocational Rehab Counselor

Religious Worker

Placement Counselor

Psychiatrist



### ADDITIONAL RESOURCES RELATED TO THIS CLUSTER

<http://uwhelp.wisconsin.edu/>

<http://www.witechcolleges.com/>

<http://www.wicareerpathways.org/>

### RELATED CO-CURRICULAR, STUDENT ORGANIZATIONS & ACTIVITIES

TNT • Community Volunteer • Forensics

FCCLA • Athletics

# 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.

###



## INTERESTS & ABILITIES

Activities that describe what I like to do:

- Work with computers
- Reason clearly and logically to solve complex problems
- Use machines, techniques, and processes
- Read technical materials/diagrams to solve technical problems
- Adapt to change
- Play video games and figure out how they work
- Concentrate for long periods of time without being distracted

Personal qualities that describe me:

- Logical and analytical thinker
- See details in the big picture
- Persistent
- Good concentration skills
- Precise and accurate

School subjects that I like:

- Math
- Science
- Computer Technology and Applications
- Communications
- Graphic Design



## RECOMMENDED COURSES FOR THE INFORMATION TECHNOLOGY CLUSTER

|                                  |                          |                                      |
|----------------------------------|--------------------------|--------------------------------------|
| REAL Keyboarding                 | Multimedia Design        | Chromebook Repairs                   |
| Introduction to Business         | Communications           | Financial Algebra                    |
| Oral Interpersonal Communication | Digital Photography      | AP® Precalculus                      |
| Introduction to Art              | Engineering Basics       | Youth Appr. - Information Technology |
| Drawing and Painting 2           | Advanced Engineering     | World Languages                      |
|                                  | Engineering Applications |                                      |

## PATHWAY SPECIFIC COURSES

|                        |                                     |   |
|------------------------|-------------------------------------|---|
| <b>Network Systems</b> | <b>Information Support Services</b> | <b>Programming &amp; Software Development</b> |
| Written Communication  | Accounting 1                        | Marketing Principles                          |
| AP® Physics 1          | Marketing Principles                | Accounting 1                                  |
| AP® Physics 2          | Written Communication               | Machine Tool                                  |
| Economics              | AP® Calculus                        |   |
| AP® Calculus           | Current Issues in Psychology        |   |
|                        |                                     | <b>Web &amp; Digital Communications</b>       |
|                        |                                     | Accounting 1                                  |
|                        |                                     | Marketing Principles                          |
|                        |                                     | Introduction to Film                          |
|                        |                                     | AP® Studio Art                                |

## PATHWAYS IN THIS CLUSTER

- Network Systems
- Information Support and Services
- Web and Digital Communications
- Programming and Software Development

# INFORMATION TECHNOLOGY

## Possible Careers with...

### HIGH SCHOOL DIPLOMA

*On-the-job training and/or minimal experience*

Careers in this field require more than minimal experience or on-the-job training.

### PROGRAM CERTIFICATE/ASSOCIATE DEGREE

*Community college, technical college, apprenticeship, experience, military*

Computer Support Specialist

Sound Manager

Computer Systems Analyst

Tool Programmer

Recording Engineer

Webmaster

### BACHELORS, PRE-PROFESSIONAL OR HIGHER DEGREE

*Colleges/Universities*

Animator

Software Engineer

Computer Programmer

Computer Engineer

Webmaster

Computer Security Specialist

Computer Network Coordinator

Video Game Designer

Information Scientist

Database Administrator

Computer Systems Analyst

Illustrator

Medical/Scientific Illustrator

Scientific/Engineering Programmer



### ADDITIONAL RESOURCES RELATED TO THIS CLUSTER

<http://uwhelp.wisconsin.edu/>

<http://www.witechcolleges.com/>

<http://www.wicareerpathways.org/>

### RELATED CO-CURRICULAR, STUDENT ORGANIZATIONS & ACTIVITIES

DECA • Multimedia Design Club • Math League  
Science Olympiad • Theater/One Act Play

# LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY

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

###



## INTERESTS & ABILITIES

Activities that describe what I like to do:

- Work under pressure or in the face of danger
- Make decisions based on own observations
- Interact with other people
- Be in positions of authority
- Respect rules and regulations
- Debate and win arguments
- Observe and analyze people's behavior

Personality qualities that describe me:

- Adventurous
- Dependable
- Community-minded
- Decisive
- Optimistic

School subjects that I like:

- Language Arts
- Psychology/Introduction to Sociology
- Government/History
- Law Enforcement
- First Aid/First Responder



## RECOMMENDED COURSES FOR THE LAW, PUBLIC SAFETY, CORRECTIONS, & SECURITY CLUSTER

|                                  |  |                              |
|----------------------------------|--|------------------------------|
| REAL Keyboarding                 | AP <sup>®</sup> English Language and Composition | Current Issues in Psychology |
| Introduction to Business         | Careers with Kids                                | World Languages              |
| Different Voices                 | Personal Defense                                 | Health Occupations           |
| Written Communication            | Introduction to Sociology                        |                              |
| Oral Interpersonal Communication | Introduction to Psychology                       |                              |

## PATHWAY SPECIFIC COURSES

### Emergency & Fire Mgmt. Services

Domestic Animal Care  
Weightlifting  
Swimming  
Algebra 2  
Chemistry and AP<sup>®</sup> Chemistry  
Biology and/or Advanced Biology  
AP<sup>®</sup> Physics 1  
AP<sup>®</sup> Physics 2  
Medical Terminology

### Body Structure & Function

### Law Enforcement Services

Domestic Animal Care  
Weightlifting  
Algebra 2  
Biology and/or Advanced Biology  
Chemistry and AP<sup>®</sup> Chemistry  
AP<sup>®</sup> Physics 1  
AP<sup>®</sup> Physics 2

### Security & Protective Services

Domestic Animal Care  
Weightlifting

### Legal Services

Marketing Principles  
Accounting 1  
Economics

### Correction Services

Weightlifting

## PATHWAYS IN THIS CLUSTER

- Correction Services
- Emergency and Fire Management Services
- Law Enforcement Services
- Legal Services
- Security and Protective Services

# LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY

## Possible Careers with...

### HIGH SCHOOL DIPLOMA

*On-the-job training and/or minimal experience*

Correctional Officer

Parking Enforcement Officer

Crossing Guard

Security Guard

Dispatcher

### PROGRAM CERTIFICATE/ASSOCIATE DEGREE

*Community college, technical college, apprenticeship, experience, military*

Bailiff

Firefighter

Park Ranger

Copyright Law

Legal Secretary

Police Officer

Court Reporter

Musician Law

Fire Inspector

Emergency Medical Technician

Paralegal Assistant

Police Canine Trainer

### BACHELORS, PRE-PROFESSIONAL OR HIGHER DEGREE

*Colleges/Universities*

Adjudicator

Lawyer

Private Detective

Arbitrator

Park Ranger

State Patrol Officer

FBI Agent

Probation and Parole Officer

Police Officer

Forensic Science Technician

Fingerprint Examiner

Conservation Warden

Judge

Correctional Officer Supervisor

Judicial Law Clerk

Emergency Management Specialist



### ADDITIONAL RESOURCES RELATED TO THIS CLUSTER

<http://uwhelp.wisconsin.edu/>

<http://www.witechcolleges.com/>

<http://www.wicareerpathways.org/>

### RELATED CO-CURRICULAR, STUDENT ORGANIZATIONS & ACTIVITIES

Athletics • Student Senate • TNT Club

DECA



# 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.

###



## INTERESTS & ABILITIES

Activities that describe what I like to do:

- Work with hands and learn that way
- Put things together
- Do routine, organized, and accurate work
- Perform activities that produce tangible results
- Apply math to work out solutions
- Use hand and power tools and operate equipment/machinery
- Visualize objects in three dimensions from flat drawings

Personal qualities that describe me:

- Practical
- Observant
- Physically active
- Step-by-step thinker
- Coordinated

School subjects that I like:

- Math/Geometry
- Chemistry
- Trade and Industry courses
- Physics
- Language Arts



## RECOMMENDED COURSES FOR THE MANUFACTURING CLUSTER

Ag Power and Technology  
Introduction to Business  
Welding  
Machine Tool

Furniture and Cabinetmaking  
Geometry  
Engineering Basics  
Economics  
World Languages

Youth Apprenticeship - Manufacturing

## PATHWAY SPECIFIC COURSES

### Production

Mosinee Manufacturing  
Construction 1  
Construction 2  
Engineering Basics  
Intro. to FabLab  
Make Something Big

### Maintenance, Installation, & Repair

Mosinee Manufacturing  
Chemistry and AP<sup>®</sup> Chemistry

### Manuf./Prod./ Process Development

Engineering Basics  
Mosinee Manufacturing  
AP<sup>®</sup> Physics 1  
AP<sup>®</sup> Physics 2  
Intro. to FabLab  
Make Something Big

### Logistics & Inventory Control

Introduction to Business  
Financial Algebra  
AP<sup>®</sup> Statistics  
AP<sup>®</sup> Precalculus  
Accounting 1

### Health/Safety/ Environ. Assurance

Health Occupations  
Chemistry and AP<sup>®</sup> Chemistry  
Biology and/or Advanced Biology  
Environmental History  
Medical Terminology  
AP<sup>®</sup> Environmental Science  
Body Structure & Function

### Quality Assurance

AP<sup>®</sup> Statistics

## PATHWAYS IN THIS CLUSTER

- Production
- Manufacturing Production Process Development
- Maintenance, Installation, and Repair
- Quality Assurance
- Logistics and Inventory Control
- Health, Safety, and Environmental Assurance

# MANUFACTURING

## Possible Careers with...

### HIGH SCHOOL DIPLOMA

*On-the-job training and/or minimal experience*

Fabric Dyer

Hand Worker

Production/Planning Clerk

Brush Painter

Oil Well Driller

Production Assembler

Engraver

Order Filler

Tire Builder

### PROGRAM CERTIFICATE/ASSOCIATE DEGREE

*Community college, technical college, apprenticeship, experience, military*

Apparel Pattern Maker

Locksmith

Electronic Engineering Technician

Combination Welder

Musical Instrument Repairer

Electrical Engineer

Computer Technician

Quality Control Technician

Electrical Engineer

Electrical Appliance Servicer

Tool and Die Maker

Industrial Engineering Technician

Electric Motor Technician

Machinist

### BACHELORS, PRE-PROFESSIONAL OR HIGHER DEGREE

*Colleges/Universities*

Communications Operations Manager

Industrial Engineer

Production Supervisor

Electrical Engineer

Mechanical Engineer

Stage/Sound Equipment Mfg.

Engineering Manager

Occupational Health/Safety Inspector

Environmental Engineer

Musical Instrument Design



### ADDITIONAL RESOURCES RELATED TO THIS CLUSTER

<http://uwhelp.wisconsin.edu/>

<http://www.witechcolleges.com/>

<http://www.wicareerpathways.org/>

### RELATED CO-CURRICULAR, STUDENT ORGANIZATIONS & ACTIVITIES

DECA • Yearbook • Manufacturing Club  
Science Olympiad



# MARKETING

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

###



## INTERESTS & ABILITIES

Activities that describe what I like to do:

- Shop and go to the mall
- Be in charge
- Make displays and promote ideas
- Give presentations and enjoy public speaking
- Persuade people to buy products or participate in activities
- Communicate ideas to other people
- Take advantage of opportunities to make extra money

Personality qualities that describe me:

- Enthusiastic
- Competitive
- Creative
- Self-motivated
- Persuasive

School subjects that I like:

- Language Arts
- Math
- Business Education and Marketing
- Economics
- Computer Applications



## RECOMMENDED COURSES FOR THE MARKETING CLUSTER

|                                      |   |                              |
|--------------------------------------|---|------------------------------|
| Agriculture 3                        | Multimedia Design                         | Introduction to Sociology    |
| REAL Keyboarding                     | Multimedia Design Pro                     | Introduction to Psychology   |
| Accounting 1                         | Digital Photography                       | Current Issues in Psychology |
| Marketing Principles                 | Algebra 2                                 | World Languages              |
| Oral Interpersonal Communication     | AP® Statistics                            |                              |
| Written Communication                | Youth Apprenticeship - Financial Services |                              |
| AP® English Language and Composition | Economics                                 |                              |

## PATHWAY SPECIFIC COURSES

|                                 |                       |                             |
|---------------------------------|-----------------------|-----------------------------|
| <b>Marketing Communications</b> | <b>Merchandising</b>  | <b>Marketing Management</b> |
| Fine Arts Courses               | Written Communication | Introduction to Business    |
| <b>Professional Sales</b>       | Art Courses           | Mosinee Manufacturing       |
| <b>Marketing Research</b>       | Basic Interior Design |                             |
|                                 | Design Principles     |                             |
|                                 | Fashion Analysis      |                             |

## PATHWAYS IN THIS CLUSTER

- Marketing Communications
- Marketing Management
- Marketing Research
- Merchandising
- Professional Selling

# MARKETING

## Possible Careers with...

### HIGH SCHOOL DIPLOMA

*On-the-job training and/or minimal experience*

Antique/Collectible Dealer

Counter Clerk

Street Vendor

Cashier

Customer Service Representative

Telemarketer

Classified Ad Clerk

News Vendor

Wedding Planner

### PROGRAM CERTIFICATE/ASSOCIATE DEGREE

*Community college, technical college, apprenticeship, experience, military*

Advertising Layout Designer

Auctioneer

Buyer

Advertising Sales Representative

Auto Salesperson

Instrument Sales

Real Estate Agent

### BACHELORS, PRE-PROFESSIONAL OR HIGHER DEGREE

*Colleges/Universities*

Advertising Account Executive

Public Relations Manager

Insurance Agent

Advertising Manager

Purchasing Agent

Purchasing Manager

Business Agent

Research Analyst

Market Research Analyst

Marketing Manager

Public Relations Practitioner

Real Estate Broker



### ADDITIONAL RESOURCES RELATED TO THIS CLUSTER

<http://uwhelp.wisconsin.edu/>

<http://www.witechcolleges.com/>

<http://www.wicareerpathways.org/>

### RELATED CO-CURRICULAR, STUDENT ORGANIZATIONS & ACTIVITIES

DECA • Vocalmotion • School Store • FFA  
Yearbook • Band Club • Forensics  
Manufacturing Club

# 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.

###



## INTERESTS & ABILITIES

Activities that describe what I like to do:

- Interpret formulas
- Find answers to questions
- Work in a laboratory
- Figure out how things work and investigate new things
- Explore new technology
- Experiment to find the best way to do something
- Pay attention to details and help things be precise

Personal qualities that describe me:

- Detail oriented
- Inquisitive
- Objective
- Methodical
- Mechanically inclined

School subjects that I like:

- Math
- Science
- Drafting/Computer-aided Design
- Electronics/Computer Networking
- Technical Classes/Technology Education



## RECOMMENDED COURSES FOR THE SCIENCE, TECHNOLOGY, ENGINEERING, & MATH CLUSTER

|                                  |                               |                   |
|----------------------------------|-------------------------------|-------------------|
| REAL Keyboarding                 | Chemistry and                 | Economics         |
| Written                          | AP <sup>®</sup> Chemistry     | Introduction to   |
| Communication                    | AP <sup>®</sup> Physics 1     | Psychology        |
| Oral Interpersonal               | AP <sup>®</sup> Physics 2     | Current Issues in |
| Communication                    | Body Structure &              | Psychology        |
| AP <sup>®</sup> English Language | Function                      |                   |
| and Composition                  | Earth & Space                 |                   |
| AP <sup>®</sup> Precalculus      | Science                       |                   |
| Biology and/or                   | AP <sup>®</sup> Environmental |                   |
| Advanced Biology                 | Science                       |                   |

## PATHWAY SPECIFIC COURSES

### PATHWAYS IN THIS CLUSTER

- Engineering and Technology
- Science and Math

### Engineering & Technology

Ag Power and Technology  
Introduction to Business  
Introduction to Metalworking  
Basic Woodworking  
Furniture and Cabinetmaking

Engineering Basics  
Advanced Engineering Applications  
Youth Apprenticeship - Engineering  
Introduction to FabLab  
Make Something Big

### Science & Math

AP<sup>®</sup> Calculus  
World Languages

# SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS

## Possible Careers with...

### HIGH SCHOOL DIPLOMA

*On-the-job training and/or minimal experience*

Statistical Clerk

### PROGRAM CERTIFICATE/ASSOCIATE DEGREE

*Community college, technical college, apprenticeship, experience, military*

Biological Technician

Veterinary Technician

Electronics Engineering

Chemical Technician

Mechanical Engineering Technician

Civil Engineering Technician

Environmental Technician

Nuclear Technician

Mathematics Technician

Petroleum Technician

Industrial Engineering Technician

### BACHELORS, PRE-PROFESSIONAL OR HIGHER DEGREE

*Colleges/Universities*

Aerospace Engineer

Civil Engineer

Mechanical Engineer

Anthropologist

Computer Engineer

Metallurgist

Archaeologist

Electrical Engineer

Mining Engineer

Astronomer

Geologist

Nuclear Engineer

Biomedical Engineer

Industrial Engineer

Physicist

Chemical Engineer

Mathematician

Solar Engineer Statistician

Structural Engineer

Actuary



### ADDITIONAL RESOURCES RELATED TO THIS CLUSTER

<http://uwhelp.wisconsin.edu/>

<http://www.witechcolleges.com/>

Women in Engineering Seminar

<http://www.wicareerpathways.org/>

### RELATED CO-CURRICULAR, STUDENT ORGANIZATIONS & ACTIVITIES

Math League • Science Olympiad • FFA  
Manufacturing Club

# TRANSPORTATION, DISTRIBUTION & LOGISTICS

Planning, management, 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.

###



## INTERESTS & ABILITIES

Activities that describe what I like to do:

- Travel
- See well and have quick reflexes
- Solve mechanical problems
- Design efficient processes
- Anticipate needs and prepare to meet them
- Drive or ride
- Move things from one place to another

Personal qualities that describe me:

- Realistic
- Mechanical
- Coordinated
- Observant
- Planner

School subjects that I like:

- Math
- Trade and Industry courses
- Physical Sciences
- Economics
- Foreign Language



## RECOMMENDED COURSES FOR THE TRANSPORTATION, DISTRIBUTION, & LOGISTICS CLUSTER

|                          |                                  |                        |
|--------------------------|----------------------------------|------------------------|
| Agriculture 2            | Oral Interpersonal Communication | Aviation Ground School |
| Ag Power and Technology  | Mosinee Manufacturing            | World Languages        |
| REAL Keyboarding         | Geometry                         | Written Communication  |
| Accounting 1             | AP® Statistics                   |                        |
| Introduction to Business | Traffic Safety                   |                        |

## PATHWAY SPECIFIC COURSES

|   |   |  |
|---|---|--|
| <b>Transportation Operations</b>          | <b>Transportation Sys./Infrastructure</b>     | <b>Sales and Service</b>                   |
| Aviation Ground School                    | Algebra 2                                     | Marketing Principles                       |
| <b>Facility/Mobile Equip. Maintenance</b> | Engineering Basics                            | Economics                                  |
| Engineering Applications                  | <b>Warehousing/Distrib. Center Operations</b> | <b>Logistics Planning/Management Serv.</b> |
| Introduction to Metalworking              | Weightlifting                                 | Financial Algebra                          |
|   |   | AP® Precalculus                            |
|   |   | Economics                                  |

## PATHWAYS IN THIS CLUSTER

- Transportation Operations
- Logistics Planning and Management Services
- Warehousing and Distribution Center Operations
- Facility and Mobile Equipment Maintenance
- Transportation Systems/Infrastructure Planning, Management, and Regulation
- Sales and Service

# TRANSPORTATION, DISTRIBUTION & LOGISTICS

## Possible Careers with...

### HIGH SCHOOL DIPLOMA

*On-the-job training and/or minimal experience*

Bus Driver

Shipping and Receiving Clerk

Deckhand

Traffic Clerk

Delivery Driver

Taxi Cab Driver

Highway Maintenance Worker

Light Truck Driver

Reservation/Ticket Clerk

Service Station Attendant

### PROGRAM CERTIFICATE/ASSOCIATE DEGREE

*Community college, technical college, apprenticeship, experience, military*

Aircraft Mechanic

Railroad Conductor

Auto Body Technician

Security Consultant

Automobile Painter

Travel Agent

Cartographic Technician

Flight Attendant

Diesel Technician

Motorcycle Technician

### BACHELORS, PRE-PROFESSIONAL OR HIGHER DEGREE

*Colleges/Universities*

Airline Pilot

Mechanical Engineer

Air Traffic Controller

Mining Manager

Astronaut

Public Health Sanitarian

Environmentalist

Travel Agency Manager

Locomotive Engineer



### ADDITIONAL RESOURCES RELATED TO THIS CLUSTER

<http://uwhelp.wisconsin.edu/>

<http://www.witechcolleges.com/>

<http://www.wicareerpathways.org/>

### RELATED CO-CURRICULAR, STUDENT ORGANIZATIONS & ACTIVITIES

FFA • DECA • Manufacturing Club



# AGRICULTURE & NATURAL RESOURCES

## Curriculum Instructors:

ELISHA RILEY // BS - University of Wisconsin-River Falls

### 770 AGRICULTURE I

Grade: 9 / 10 / 11 / 12

Prerequisite: None

Credit: .50

Length: Semester

Acquaint yourself with the exploding world of plants and animals! "Learning by doing" activities will provide you with exposure to various areas of agriscience including leadership and FFA, Wisconsin agriculture, US agriculture, soil conservation and management, plant sciences, integrated pest management, animal sciences, natural resources management, food science and technology. Most people are unaware, but agriculture is the number one industry in the United States. More people are employed in agriculture than any other industry area! The classroom, greenhouse, and shop will be used as laboratories for various activities dealing with plants, animals, and all aspects in between. This course is designed to be an introductory course and will not go into a lot of detail in any one area, but instead will provide a broad insight to the over 200 job opportunities available in agriculture.

###

### 771-772 AGRICULTURE 2 (SCIENCE EQUIVALENT)

Grade: 10 / 11 / 12

Prerequisite: Agriculture 1

Credit: 1.00

Length: Year

Develop a deeper understanding for the world around you, as you discover and explore the vast expanse of plants and animals. Learn about the major food and fiber industries that support and feed the world. Topics covered include: livestock breeds, genetics, nutrition, health, management and selection of various large animals raised for food purposes. The second portion of the class will focus on the growth and maintenance of various crop sciences and landscaping principles. Gain real-life skills while earning a science equivalency credit through a variety of hands-on lessons.

*Agriculture 2 will meet the requirement for the third year of science.*

###



### 773 AGRICULTURE 3 - DC

Grade: 11 / 12

Prerequisite: Agriculture 2

Credit: .50

Length: Semester

Agriculture supplies the food and fiber necessary to meet the demands of an ever-growing population. This course will explore the Wisconsin Dairy Industry with an emphasis on dairy-producing livestock, and what makes Wisconsin the "Dairy State." Ag 3 introduces the basics of livestock management including husbandry and care for animals. Learners will examine the management of dairy herds with a concentration on nutrition, feedstuffs, classification, reproduction, genetics, animal behavior, animal health, and sustainable agricultural practices.

###

### 775 AGRICULTURE RESOURCE MANAGEMENT & CONSERVATION

Grade: 10 / 11 / 12

Prerequisite: None

Credit: .50

Length: Semester

Management of our natural resources is a non-traditional agriculture class that examines how we use and manage our environment. Areas to be investigated include: history of conservation, forestry management, water management, soils, wildlife management, fish and wildlife identification, outdoor recreation, exploring with maps, compasses, and GPS (Global Positioning Systems), and the wise use of our energy resources. For anyone who is an outdoor enthusiast - whether for hunting, fishing, or other recreational purposes, this course is for you!

###

## 776 DOMESTIC ANIMAL CARE

**Grade:** 11 / 12

**Prerequisite:** None

**Credit:** .50

**Length:** Semester

Do you love animals and enjoy working with them? Are you interested in a career related to veterinary or human medicine? Domestic Animal Care takes an in-depth look at careers, your favorite furry (or non-furry!) friends, and the knowledge required to properly care for them. This course will explore and review animal physiology and anatomy, animal handling, breeds, veterinary terminology, animal rights and animal welfare. Animals covered will include: dogs, cats, horses, rodents, birds, reptiles and amphibians, fish and exotics. There is an emphasis on hands-on learning with labs including animal care demonstrations, breeds, guest speakers, suturing, vaccinations, animal restraint, and more.

###

## 777 AGRICULTURAL POWER AND TECHNOLOGY

**Grade:** 11 / 12

**Prerequisite:** Agriculture I

**Credit:** .50

**Length:** Semester

Ag Power and Technology studies both two and four cycle engines, farm power applications, electricity on the farm, and hydraulics. Students will be able to take apart and reconstruct a four cycle engine.

###



## 778 AGRICULTURE 4 - DC

**Grade:** 11 / 12

**Prerequisite:** Agriculture 3

**Credit:** .50

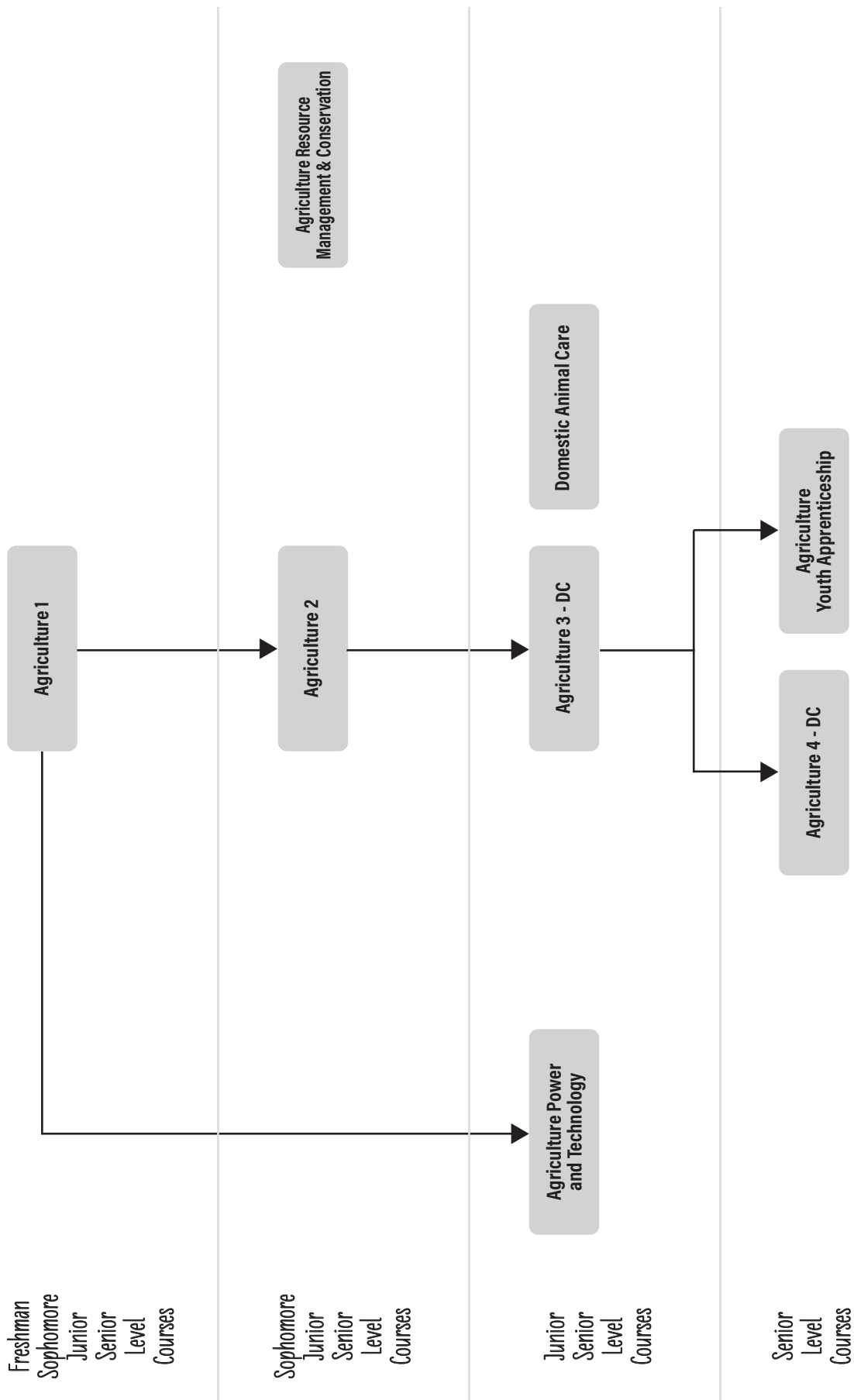
**Length:** Semester

Agriculture 4 examines the interdependent relationship of soil and living things. Soil fertility is important in considering the vital role that soil plays with regard to the availability of nutrients to plants. Learners will study soil nutrients as it relates to soil condition and plant growth. Hands-on labs will actively have students sampling, analyzing and interpreting soil conditions. Students will apply this knowledge to various plants and crops and the success of their productivity. This course will utilize the greenhouse as a learning facility to conduct various soil and plant related labs. Ag 4 is directly involved with the culture and production of crops and plants in relation to agriculture.

###



# AGRICULTURE & NATURAL RESOURCES FLOW CHART





# BUSINESS & MARKETING EDUCATION

## Curriculum Instructors:

STEPHANIE KURTZWEIL // BS - University of Wisconsin-Stevens Point // MS - Concordia University of Wisconsin

### REQUIRED FOR GRADUATION:

654 Financial Literacy\* - 0.5 credit

*\*418-419 Financial Algebra also meets the Financial Literacy requirement.*

## 600 REAL KEYBOARDING

(Realize Essential Applications for Life)

**Grade:** 9 / 10 / 11 / 12

**Prerequisite:** None

**Credit:** .50

**Length:** Semester

Get REAL! Keyboarding is more essential than ever. Learn how to get twice as much done in half the time! This course presents applications EVERY student will be expected to know for college, work, and REAL life. A complete review of the keyboard and keyboarding technique will be covered. Proper formatting for many documents including letters, resumes, e-mail, reports, and tables using MS Word is provided, including an independent self-paced project. FINALLY, be a fast and accurate typist! YOU will not regret it!

**Supply List:** 1" three-ring binder, paper

###



## 633-634 ACCOUNTING 1 - DC\*

**Grade:** 10 / 11 / 12

**Prerequisite:** None

**Credit:** 1.00

**Length:** Year

Planning a career in the fields of business, marketing, or finance? Accounting is listed as one of the most sought after and stable career fields and is considered the language of business. Students learn the procedures involved in completing the accounting cycle. They will complete transactions and prepare financial statements that are necessary for businesses to make financial decisions. The ability to accurately crunch numbers is a unique skill set in high demand. This course is strongly recommended for anyone planning to enroll in college/university or technical school as a business major/minor.

In addition to gaining an understanding of the financial process of a business you will also have an opportunity to receive four (4) college credits through NTC!

**Supply List:** Notebook, folder, calculator

###



## 635-636 ACCOUNTING 2 - DC\*

**Grade:** 11 / 12

**Prerequisite:** Accounting 1 - DC

**Credit:** 1.00

**Length:** Year

Accounting 2 is a continuation of Accounting for a corporate merchandising business. Students will work independently learning about adjustments and valuation of a business. Students will gain real-life experience completing the accounting role for the MoTown Market, as well as completing simulations, learning financial accounting systems, and exploring other career areas. This class will also explore managerial accounting by analyzing financial statements.

**Supply List:** Notebook, folder, calculator

###

## 637 INTRODUCTION TO BUSINESS

**Grade:** 9 / 10 / 11 / 12

**Prerequisite:** None

**Credit:** .50

**Length:** Semester

Be responsible for the daily operations of your own business! This semester you will complete a simulation to provide you with a teenage-level entrepreneurship experience. Students will participate in an in-depth, real-world experience in starting a teen-based

business by completing a series of integrated hands-on projects that combine the concepts of entrepreneurship and computer skills. I will guide you through the process of creating a real business plan for a business that you choose to start and operate. Throughout this simulation, you will be challenged to use creativity, entrepreneurial writing and decision-making skills that will yield a professional business plan and marketing materials. The business plan can then be used as a guide to help you operate and manage your chosen business.

**Supply List:** Three-ring binder

###



## **652-653 MARKETING PRINCIPLES - DC\***

**Grade:** 10 / 11 / 12

**Prerequisite:** None

**Credit:** 1.00

**Length:** Year

Marketing is a fast-paced, dynamic, contemporary business discipline. We are all affected by marketing activities on a daily basis, both in our workplace and as consumers. In this course, we will explore the fundamentals of marketing in the 21st Century. We will evaluate consumer demographics, lifestyles and decision-making; explore market research; evaluate product, distribution, promotion and price planning; and critique and develop a strategic marketing plan. Students will complete a variety of "hands-on" and "real-life" projects, including promotion, development, and sales for our own marketing lab, the MoTown Market. Students will also be encouraged to join DECA, an association of marketing students. DECA participates in several events throughout the year, including field trips exploring Sports and Entertainment Marketing and real-life scenario competitions. Marketing Principles is for any student who is interested in pursuing one of the many careers in marketing and allows students to get three (3) college credits from NTC in the process!

**Supply List:** Notebook, folder

###



## **654 FINANCIAL LITERACY - DC\***

**Grade:** 11 / 12

**Prerequisite:** None

**Credit:** .50 (Fulfills the Financial Literacy graduation requirement)

**Length:** Semester

Financial Literacy is a course designed to help students understand the impact of individual choices on occupational goals and future earnings potential. Topics covered will include income, money management, spending and credit, as well as saving and investing. Students will design personal and household budgets, simulate use of checking and savings accounts, demonstrate knowledge of finance, debt, and credit management, and evaluate and understand insurance and taxes. This course will provide a foundational understanding for making informed personal financial decisions.

We will cover these topics: Savings, Investing, Credit, Debt, Financial Responsibility, Money Management, Insurance, Risk Management, Income, and Careers.

###

*\* Dual Credit is awarded for this course pending NTC Dual Credit approval/annual re-approval process. In addition to receiving high school credit, juniors and seniors who successfully complete this course will have grades posted to an official technical college transcript and tabulated in the student's technical college GPA.*

# BUSINESS & MARKETING EDUCATION FLOW CHART

Freshman  
Sophomore  
Junior  
Senior  
Level  
Courses



Sophomore  
Junior  
Senior  
Level  
Courses



Junior  
Senior  
Level  
Courses





# ENGLISH

## Curriculum Instructors:

**DEIDRE BRADFORD** // BA - Winona State University // MS - University of Wisconsin-La Crosse

**ANNA KAISER** // BA - College of St. Scholastica // MS - University of Wisconsin-Stevens Point

**ANN KEDROWSKI** // BA - University of Wisconsin-Superior // MS - University of Wisconsin-Stout

**KATI MAIER** // BA - University of Wisconsin-Stevens Point // MS - University of Wisconsin-Stevens Point

**ANNA STRAND** // BA - University of Wisconsin-Stevens Point

## REQUIRED FOR GRADUATION:

4 credits of English including  
110-111 English 9 • 120-121 English 10 • 130-131 English 11\*

*\*156-157 AP® English Language and Composition  
can be substituted for English 11.*

## 110-111 ENGLISH 9

**Grade:** 9

**Prerequisite:** None

**Credit:** 1.00

**Length:** Year

English 9 is designed as an introduction to literary studies, critical reading and writing, the writing process, oral language, media and technology, and research in the secondary school. This course is intended to strengthen each student's abilities in the art of analytical interpretation, written and oral expression, and the use of media and technological assets.

**Supply List:** One 70-count spiral-bound notebook and folder OR 1" binder with paper, pens, pencils, highlighters, earbuds, poster board, and small post-its.

###

## 120-121 ENGLISH 10

**Grade:** 10

**Prerequisite:** None

**Credit:** 1.00

**Length:** Year

English 10 develops written, comprehension, and verbal skills that are needed in post-secondary education and the job market. The class aligns with the Common Core Standards and concentrates on essential English skills, including vocabulary development, reading strategies, literary analysis, discussion skills, research strategies, argumentative techniques, and

applying the 6 Traits of Writing. Units include fictional narratives, informational texts, mythology, historical fiction, and *To Kill a Mockingbird*.

###

## 130-131 ENGLISH 11

**Grade:** 11

**Prerequisite:** None

**Credit:** 1.00

**Length:** Year

English 11 is designed to continue the process of acquiring knowledge of the English language in the areas of writing, reading, speech, vocabulary and grammar. Focuses for the class will include American literature, expository and persuasive writing, research writing, persuasive speaking and vocabulary expansion. The development of critical thinking and comprehension are stressed. Test-taking strategies for success on the ACT will be covered. This class will prepare students for any 12th grade English class.

**Supply List:** Index cards

###



## 156-157 AP® ENGLISH LANGUAGE AND COMPOSITION

**Grade:** 11 (replaces English 11 requirement)

**Prerequisite:** Successful completion of English 9 and English 10

**Credit:** 1.00

**Length:** Year

AP® English Language and Composition will meet the requirements of English 11, while also offering more rigor in reading critically and writing extensively. This course aligns with college-level English 101 which requires students to develop evidence-based argumentative essays over the course of several stages or drafts. Students will learn to research and then evaluate and cite sources using MLA and APA styles to support arguments and other writing. Throughout the course, students will learn that making appropriate grammatical choices strengthens writing. Additionally, students will read and analyze the rhetorical elements and their effects in non-fiction texts, including multi-media images, from many disciplines and historical periods. The AP® English Language and Composition exam is offered in May to students, but it is not mandatory. Students who receive a three (3) or higher on the exam can receive college credit.

###

## 158-159 AP® ENGLISH LITERATURE AND COMPOSITION

**Grade:** 12

**Prerequisite:** Successful completion of English 9, English 10, and English 11 or AP Language and Composition

**Credit:** 1.00

**Length:** Year

AP® English Literature and Composition is a college-level course with the primary goal of helping the student develop habits of critical thinking, reading, writing, and understanding literary culture. To that end, the focus is on close, critical reading of poetry, drama, short stories, novels, and expository literature. The student must learn to read carefully and justify his/her interpretations with specific reference to the text. Critical discussion and writing about these works will center on each writer's technique, theme, style, and tone. To succeed in this class, the student should have the kind of imagination stimulated by reading, the willingness to be independent learners and to share that learning with others orally and in writing. The reading selections and writing assignments are challenging and the pace of the class is consistent with entry level university course work. Students are

highly encouraged to take the AP® English Literature National Exam in May for an opportunity to earn three college credits.

###

## 163 DIFFERENT VOICES

**Grade:** 12 *or* Grade 11 with consent of instructor

**Prerequisite:** Must earn a passing grade in English 11

**Credit:** .50

**Length:** Semester

Different Voices provides students with the opportunity to read American and world literature from a variety of cultures. Students will analyze short stories, poems, plays, novels, essays, speeches, and research articles, as well as study social and historic issues to gain a better understanding of the readings. Writing assignments will include structured essays, journal entries, and creative pieces. Further requirements include oral speaking and completion of unit projects.

###



## 170 WRITTEN COMMUNICATION - DC

**Grade:** 12

**Prerequisite:** None

**Credit:** .50

**Length:** Semester

**Fee:** \$25.00

This class develops writing skills which include prewriting, drafting, and editing. A variety of writing assignments will be designed to help the learner analyze audience and purpose, research and organize ideas, and format and design documents based on subject matter and content. Also, it will develop critical thinking and reading skills through the analysis of a variety of written documents.

**\*\*This course DOES NOT meet NCAA eligibility requirements.\*\***

###

## 171 INTRODUCTION TO FILM

**Grade:** 12 *or* Grade 11 with consent of instructor

**Prerequisite:** Must earn a passing grade in English 11  
*or* consent of instructor

**Credit:** .50

**Length:** Semester

Introduction to Film uses film as a medium to explain literary terms, filmmaking techniques, and the characteristics specific to a particular genre. The films will be presented by genre in accordance with the American Film Institute. Significant directors such as Martin Scorsese, Rob Reiner, and Steven Spielberg, and their artistic contribution to motion pictures, will be studied in-depth. Good attendance, note-taking skills, and an interest in how films are made are important to achieving success in this class.

**\*\*This course MAY NOT be accepted by some colleges as an English credit.\*\***

###



## 179 ORAL INTERPERSONAL COMMUNICATION - DC

**Grade:** 12 *or* Grade 11 with consent of instructor

**Prerequisite:** Must earn passing grade in English 11  
*or* consent of instructor

**Credit:** .50

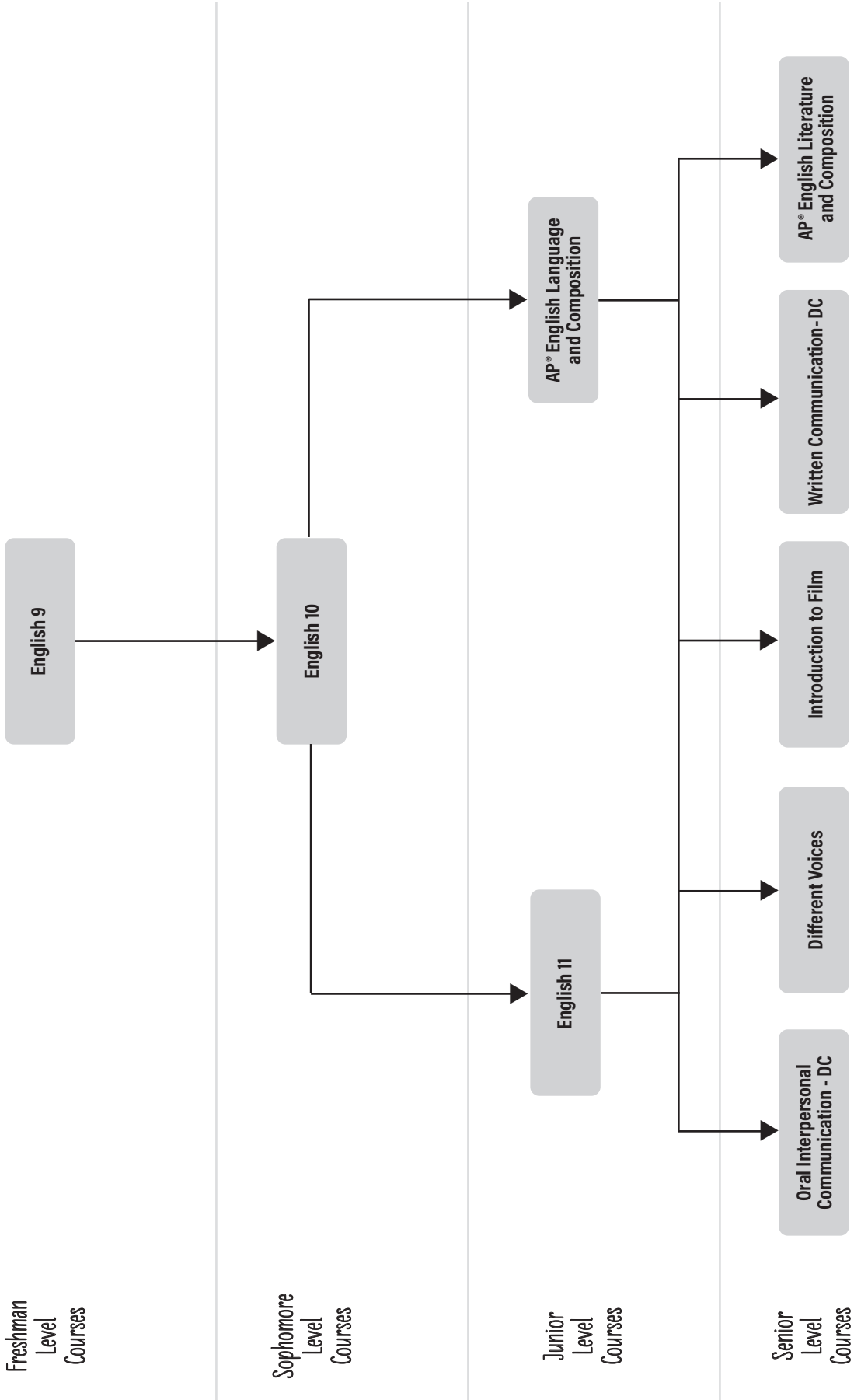
**Length:** Semester

**Fee:** \$25 for Cengage textbook

This class focuses on developing speaking, verbal and nonverbal communication, and listening skills through individual presentations, group activities, and other projects. The study of one-to-one communication in a variety of settings, including home, school, and the workplace. This study involves the understanding of yourself, key communication concepts, the development of communication skills, and the analysis of these skills.

###

# ENGLISH FLOW CHART



# FAMILY & CONSUMER EDUCATION

## Curriculum Instructors:

**NICOLE SCHWARTZ** // BS - University of Wisconsin-Stevens Point // MS - University of Wisconsin-Stevens Point

**SUSAN SWINICK** // BS - University of Wisconsin-Stout

## 750 FOODS 1

**Grade:** 9 / 10 / 11 / 12

**Prerequisite:** None

**Credit:** .50

**Length:** Semester

**Fee:** \$10.00

Foods 1 studies the importance of food and nutrition in a teenager's daily diet. Different categories of foods will be prepared and analyzed for nutritional value during the semester. The student will learn a variety of cooking techniques and will prepare basic recipes. They will work together in an atmosphere of cooperation to complete their tasks in the given amount of time. Meal planning with consideration to nutrition and purchasing, along with eating out will also be included. The food areas studied will be eggs, milk, cheese, breads, grains, vegetables, and fruits.

**Supply List:** 1" three-ring binder

###

## 751 FOODS 2

**Grade:** 10 / 11 / 12

**Prerequisite:** Foods 1

**Credit:** .50

**Length:** Semester

**Fee:** \$10.00

Foods 2 uses all of the skills learned in Foods 1, while introducing more challenging recipes, diverse ingredients, and different preparation principles and cooking methods. Students will have the opportunity to learn additional information regarding food history and exploration of cuisines across the United States and around the world. Additional food topics that will be covered include: yeast breads, soups and salads, cakes and candies, pastries, and food preservation.

**Supply List:** 1" three-ring binder

###



## 752-753 FOODS 3: SERVSAFE & NUTRITION - DC

**Grade:** 11 / 12

**Prerequisite:** Foods 1 and Foods 2

**Credit:** 1.00

**Length:** Year

**Fee:** \$20.00 (\$10.00/semester and cost of textbooks)

Development of skills to follow sanitation and hygiene provisions in state codes. Focuses on the challenges to food safety, developing a food safety system, Hazard Analysis Critical Control Point, working in a safe environment and maintaining sanitary facilities and equipment. Certification through the National Restaurant Associate is a requirement for completion and can be used to apply for state certification. Focuses on the six major nutrients (carbohydrates, proteins, fats, minerals, vitamins and water) and how each is used by the body. The planning of well-balanced diets and nutritional analysis of diets are emphasized. ***Students partaking in Youth Apprenticeship - Food Service or students interested in culinary arts or a food service future are strongly encouraged to take this course.***

**Supply List:** 1" three-ring binder, *ServSafe Manager*, 7th Edition, and/or *Essentials of Nutrition for Chefs*, 2nd Edition

###

## 754 FOOD SCIENCE

**Grade:** 10 / 11 / 12

**Prerequisite:** Foods I

**Credit:** .50

**Length:** Semester

**Fee:** \$10.00

This course is an overview of food science, the chemistry of foods, fermentation, and microorganisms. Biotechnology, packaging, processing, regulation and labeling, world food needs and career exploration will also be investigated. This course is appropriate for students who are interested in food and agriscience careers including dietetics, health sciences, culinary arts, child development, personal trainer, sports trainer, nutrition services and numerous other careers!

**Supply List:** 1" three-ring binder.

###

## 760 DESIGN PRINCIPLES

**Grade:** 9 / 10 / 11 / 12

**Prerequisite:** None

**Credit:** .50

**Length:** Semester

**Fee:** \$5.00

Design Principles is an introduction to both sewing and interior design. This class will allow students to gather the basic concepts of color, symmetry, room layout, concept boards and essential sewing principles and practices, while enhancing their creativity for development of their possible career choice. Design Principles is a prerequisite for both Fashion Analysis and Basic Interior Design. Students will furnish their own supplies.

**Supply List:** Recommended but not required: three-ring binder, sharp scissors, seam ripper, pins (colored heads), safety pins, three spools of thread (any color), one large white foam board, one package Model 15 metal bobbins

###

## 761 FASHION ANALYSIS

**Grade:** 10 / 11 / 12

**Prerequisite:** Design Principles

**Credit:** .50

**Length:** Semester

**Fee:** \$5.00

Fashion Analysis is a class for students with some basic sewing skills that will enhance their ability to complete a large portfolio to market their own fashion line to a client. Students will learn marketing techniques and following market trends. Students will also have the opportunity to expand their sewing skills and will experiment with a variety of techniques.

**Supply List:** Three-ring binder, sharp scissors, sewing essentials from Design Principles, foam boards (3), fabrics for clothing final project, and colored pencils

###

## 762 CRAFTS AND SEWING INDEPENDENT STUDY

**Grade:** 11 / 12

**Prerequisite:** Design Principles, Fashion Analysis  
**and consent of instructor**

**Credit:** .50

**Length:** Semester

This course is designed for students who have completed Design Principles and Fashion Analysis, but still want an additional opportunity to expand their skills and techniques. Students will explore advanced techniques such as: design and construction of formal garments, costumes, tailored garments, quilts, and needle crafts.

**Supply List:** Sharp scissors, seam ripper, pins (colored heads), two spools of thread (any color), large bag/box of fiber fill, one package Model 15 bobbins (plastic or metal)

###



## 763 BASIC INTERIOR DESIGN - DC

**Grade:** 11 / 12

**Prerequisite:** Design Principles

**Credit:** .50

**Length:** Semester

Basic Interior Design allows students to create, assess, and acquire knowledge of housing and the housing industry. Areas include all styles of housing, decorating and consumer buying. Emphasis is placed on windows and window treatments, flooring, wall treatments, furnishings and furniture arrangements. Students have the opportunity to visit a variety of businesses within the design industry. Students are to expect out-of-class work for this dual credit class.

**Supply List:** Three-ring binder

###



## 758 CHILD DEVELOPMENT - DC

**Grade:** 11 / 12

**Prerequisite:** None

**Credit:** .50

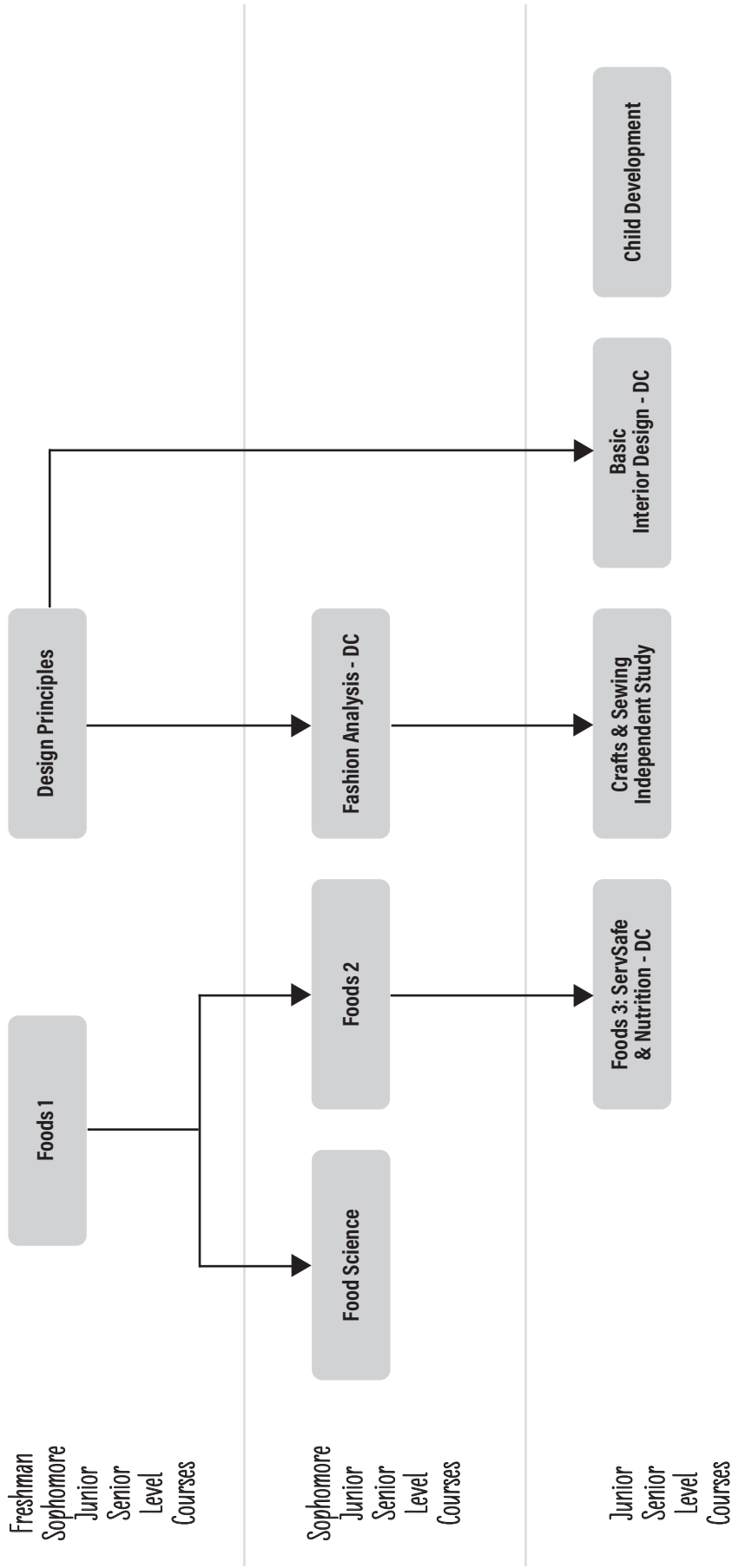
**Length:** Semester

This course examines child development within the context of the early childhood education setting. Course competencies include: analyze social, cultural, and economic influences on child development; summarize child development theories; analyze development of children age three through age eight; summarize the methods and designs of child development research; analyze the role of heredity and the environment; examine the role of brain development in early learning (ages 3-8).

**Supply List:** 2" three-ring binder

###

# FAMILY & CONSUMER EDUCATION FLOW CHART





# EDUCATION & TRAINING

## Curriculum Instructors:

**NICOLE SCHWARTZ** // BS - University of Wisconsin-Stevens Point // MS - University of Wisconsin-Stevens Point



### 759 CAREERS WITH KIDS - DC

**Grade:** 11 / 12

**Prerequisite:** Child Development

**Credit:** .50

**Length:** Semester

**Fee:** Red Cross Certification fee may apply

Introduces the student 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 programs 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 and explore early childhood curriculum models. Upon successful completion of this competency-based skill program, the student will earn Assistant Child Care Teacher (ACCT) certification through the State Department of Public Instruction, and CPR and First Aid certification through the American Red Cross. Infant and toddler certification is available through the State Department of Public Instruction by completing independent work. Students interested in a career field that involves children, especially teaching, are strongly encouraged to take this course.

**Supply List:** 2" three-ring binder

###



### 765 INTRODUCTION TO TEACHING - DC

**Grade:** 11 / 12

**Prerequisite:** None

**Credit:** .50

**Length:** Semester

Includes the study of historical, philosophical and social foundations of education; issues and trends including diversity affecting our schools of today including elementary, middle level and secondary educational settings. An overview of the WI Department of Public Instruction and federal regulations; WI Act 31 Treaty Rights, fundamentals of teaching methodologies, learning styles, questioning techniques, and basic assessment practices will be addressed.

**Supply List:** 2" three-ring binder

###

# EDUCATION & TRAINING FLOW CHART

Freshman  
Sophomore  
Junior  
Senior  
Level  
Courses

Sophomore  
Junior  
Senior  
Level  
Courses

Junior  
Senior  
Level  
Courses

Introduction to  
Teaching - DC

Careers with Kids - DC

# FINE ARTS

## Curriculum Instructors:

**CARLA DUL** // BME - University of Wisconsin-Stevens Point // MME - University of Wisconsin-Stevens Point

**KELLEY SCHMIDT** // BA - Eastern Illinois University

**TYLER SCHUSTER** // BME - University of Wisconsin-Eau Claire

## 800-801 CONCERT CHOIR

**Grade:** 11 / 12

**Prerequisite:** Required audition *and* written consent of the instructor

**Credit:** 1.00

**Length:** Year

Concert Choir is designed to assist the vocally intermediate/advanced student in the continuation of correct vocal tone production, diction and articulation; and to provide an advanced understanding of both solo and ensemble singing. Students in this choir will continue to develop the performance behaviors of poise, confidence, appearance, and etiquette.

Various styles of choral literature will be studied. These include works of major choral composers representing all musical periods and styles. These works will be performed at concerts throughout the year. This course also provides opportunities for involvement in Solo and Ensemble Festival, Madrigal Singers, Vocal Jazz, and the production of a Broadway musical as well as a Variety Show. Students in this choir will also study intermediate music theory, in addition to music history.

Concert Choir is specifically designed for the student who is advanced in the area of vocal music. It is for this reason that placement in this choir requires an audition during which the student must demonstrate vocal tone quality, high intermediate to advanced listening skills and sight-reading ability, as well as tone production and pitch recognition. Student enrollment grades preferred are grades 11 and 12.

###

## 802-803 VARSITY SINGERS

**Grade:** 9 / 10 / 11 / 12

**Prerequisite:** Male voices (tenor and bass) may enroll

**Credit:** 1.00

**Length:** Year

Varsity Singers activities assist the beginning/intermediate male student in the learning and continuation of correct vocal production, diction, and articulation. They also develop a continued understanding of both solo and ensemble singing. Performance behaviors including poise, confidence, appearance, and etiquette are also developed.

Various styles of choral literature will be studied. These include works of major choral composers representing all musical periods and styles. These works will be performed at concerts throughout the year. This course will also provide opportunities for involvement in Solo and Ensemble Festival, Vocal Jazz, and the production of a Broadway musical as well as a Variety Show. Students will also study basic to intermediate music theory, in addition to music history.

Varsity Singers is designed for male students who have beginning to intermediate skills in the area of vocal music. Students who enroll in this choir should have a strong desire to sing and learn about vocal performance. Students of any musical ability may enroll and previous singing experience is not required.

###

## 804-805 TREBLE CHOIR

**Grade:** 9

**Prerequisite:** Treble voices (soprano and alto) may enroll

**Credit:** 1.00

**Length:** Year

Treble Choir trains the young voice in the soprano and alto ranges, and is designed to assist the student in learning correct vocal production, diction, and articulation. Students will also develop an understanding of both solo and ensemble singing and performance behavior,

including poise, confidence, appearance, and etiquette while developing as an ensemble.

Various styles of choral literature will be studied. These include works of choral composers representing all musical periods and styles. The choir will perform these works at concerts throughout the year. Students in this group will also have the opportunity to be involved in Solo and Ensemble Festival, Vocal Jazz, and the production of a Broadway musical as well as a Variety Show. Students in this choir will also study basic music theory in addition to music history.

Treble Choir is designed for students entering ninth grade who wish to further their knowledge of music and understanding of their voice as an instrument. Students of any ability may enroll; no previous singing experience is required.

###

## **806-807 CANTABILE**

**Grade:** 10 / 11 / 12

**Credit:** 1.00

**Length:** Year

Cantabile is a treble choir (alto and soprano voices) that is designed to assist intermediate vocal students in the continuation of correct vocal tone production, direction, articulation, and to provide an advanced understanding of both solo and ensemble singing.

Various styles of choral literature that are specific to upper intermediate and advanced treble choirs will be studied, including works of choral composers representing all musical periods and styles. Cantabile will perform these works at concerts throughout the year. This course provides opportunities for involvement in Solo and Ensemble Festival, Treble Madrigal Singers, Vocal Jazz and the production of a Broadway musical as well as a Variety Show. Students in this choir will also study intermediate music theory.

Cantabile is specifically designed for the treble singer (soprano/alto) who is at an intermediate skill level in the area of vocal music. Students who enroll in this course should have a desire to sing and be part of the ensemble, but previous choral singing experience is not required.

###

## **808-809 SYMPHONIC BAND**

**Grade:** 9 / 10 / 11 / 12

**Prerequisite:** None

**Credit:** 1.00

**Length:** Year

Symphonic Band students will develop skills in performance on a wind or percussion instrument and use those skills in ensemble rehearsals and performances. Through the combination of individual lessons and group

rehearsal, students will be exposed to intermediate and advanced playing techniques. The performance of music on an instrument will act as a gateway to the comprehensive study of music.

All students will participate in marching band, pep band, and concert band. Through these different performance opportunities, students will be presented with music in a variety of genres. Students will also have the opportunity to participate in extracurricular activities such as Solo and Ensemble competition, Jazz Ensemble, Ethnic Ensemble, Chamber Winds and Percussion, and other groups.

All students will perform at several events and attend individual lessons with the instructor. Opportunities to travel for performance may also arise as part of the course.

Rental of some instruments is available through the school. The cost is \$50, payable at the beginning of the year.

**Supply List:** Instrument, lesson book.

###

## **812 INTRODUCTION TO BAND**

**Grade:** 9 / 10 / 11 / 12

**Prerequisite:** None

**Credit:** .50

**Length:** Semester 1 (Sem. 2 - Symphonic Band)

Introductory Band students will develop basic to intermediate performance skills on a wind or percussion instrument. Through a combination of individual lessons and small group instruction, students will prepare themselves for eventual inclusion in the high school Symphonic Band. Course topics will include tone production on an instrument, proper playing technique, music reading, and small ensemble performance. Students in Introduction to Band are making a year-long commitment to instrumental music. Upon completion of the introductory course, students will join the Symphonic Band during semester two and will slowly integrate into other areas.

All instrumental music students must have an instrument to participate in the course. A limited number of school-owned instruments may be available for rental to students on a first-come, first-serve basis. Rental fees from the school are \$50, payable at the beginning of the school year.

###

## 814-815 ENSEMBLES

**Grade:** 10 / 11 / 12

**Prerequisite:** One year enrollment in high school band *and* instructor consent

**Credit:** 1.00

**Length:** Year

Ensembles is designed for intermediate and advanced instrumental music students who wish to improve their overall musicianship and perform within smaller ensembles than a concert band and a jazz band. In this course, students will perform in two different ensembles: one assigned by the instructor and one created by the students. Students will perform a piece of existing repertoire, as well as create an arrangement of a pop song for a group of instruments with the assistance of the instructor. This course can also be used for Solo & Ensemble competition preparation.

###

## 820 INTRODUCTION TO ART

**Grade:** 9 / 10 / 11 / 12

**Prerequisite:** None

**Credit:** .50

**Length:** Semester

**Fee:** \$10

Various materials and concepts are introduced and reviewed in this course. Student explore drawing, painting (acrylic and watercolor), chalk pastel, two-point perspective, clay, paper, wire, and more!

**Supply List:** Three-ring binder, two ultra-fine Sharpies, colored pencils

###

## 821 DRAWING AND PAINTING I

**Grade:** 9 / 10 / 11 / 12

**Prerequisite:** Introduction to Art  
(beginning with the Class of 2027)

**Credit:** .50

**Length:** Semester

**Fee:** \$10

Drawing and painting techniques are introduced and reviewed in this level one course. Drawing pencils, charcoal sticks/pencils, acrylic paint, and watercolor are explored throughout the semester. Gridding techniques, blending, cross-contours, line variation, and creating images in specific art historical styles are all learned and refined. For every project students learn about an art period and various artists - we then create differentiated projects based on student interest.

**Supply List:** three-ring binder, two ultra-fine Sharpies, colored pencils

###

## 822 DRAWING AND PAINTING 2

**Grade:** 10 / 11 / 12

**Prerequisite:** "C" or better in Drawing and Painting 1

**Credit:** .50

**Length:** Semester

**Fee:** \$10

Intermediate drawing and painting techniques are learned and refined in this course. Students learn about the use of underpainting, the subtleties of portraiture, using reflective color, still-life drawing/painting, and how art historical periods can influence and drive their own work. Projects become more open-ended throughout the semester, allowing for students to explore their interests within subject matter, style, and technique.

**Supply List:** Three-ring binder, two ultra-fine Sharpies

###

## 823 CLAY I

**Grade:** 9 / 10 / 11 / 12

**Credit:** .50

**Length:** Semester

**Fee:** \$15

Basic hand-building and throwing techniques are learned in this introductory course. A large extruder is used to create coils; students learn to roll out slabs by hand, create pinch pots that become a sculpture, and throw on the potter's wheel. Students will also spend about half of the semester working on the potter's wheel, learning how to throw and trim, as well as pull handles. Bowls and mugs are created on the wheel as students rotate between hand-building and throwing. All functional works made by students are glazed to be food and microwave safe.

**Supply List:** Three-ring binder

###

## 824 CLAY 2

**Grade:** 10 / 11 / 12

**Prerequisite:** "C" or better in Clay 1

**Credit:** .50

**Length:** Semester

**Fee:** \$15

Building off of the techniques learned in Clay 1, students will use the potter's wheel to create plates, pitchers, tumblers, and lidded jars. These new thrown objects include new techniques and tools demonstrated in class.

Students look at various artists for inspiration and begin exploring different decorating techniques including slip trailing, cold wax resist, and mishima (inlaying). Projects become more open-ended throughout the semester, allowing for students to explore their interests within subject matter, style, and technique.

###

## 825 JEWELRY

**Grade:** 9 / 10 / 11 / 12

**Prerequisite:** Introduction to Art  
(beginning with the Class of 2027)

**Credit:** .50

**Length:** Semester

**Fee:** \$10 (Additional lab fees possible based on material usage.)

Through this course students will explore the role of jewelry throughout time throughout various continents. We will utilize metal, Plexiglas, glass, felt/roving, wire, thread, and found objects. Various techniques including enamels, glass-fusing, wet and dry felting, wire-wrapping, and weaving will be learned. Students will explore jewelry inspired by these ancient to contemporary styles to create their own functional jewelry. Earrings, necklaces, pendants, bracelets, pins, and more will be made through this semester long course.

**Supply List:** 3-ring binder, two ultra-fine Sharpies, jewelry pliers set, thread scissors

###

## 828 ADVANCED ART - CLAY

**Grade:** 10 / 11 / 12

**Prerequisite:** Clay I and II *with* "C's" or better

**Credit:** .50

**Length:** Semester

**Fee:** \$15

Students who have completed Clay 1 and 2 are eligible for Advanced Art - Clay. This course allows students to focus on either throwing on the potter's wheel and hand-building/sculpting clay. Student begin to find their material and subject matter, furthering their specific interests in clay.

###

## 829 ADVANCED ART - DRAWING & PAINTING

**Grade:** 10 / 11 / 12

**Prerequisite:** Painting I and II *with* "C's" or better

**Credit:** .50

**Length:** Semester

**Fee:** \$10

Students who have completed both level 1 and 2 are eligible for Advanced Art - Drawing & Painting. Students will begin to focus on the material(s) of their choice in order to further develop their interests. This level will encourage students to identify with various artists/styles to guide individual instruction.

###

## 830-831 AP<sup>®</sup> STUDIO ART

**Grade:** 11 / 12

**Prerequisite:** "B" or better in Advanced Art - Clay  
*or* Advanced Art - Drawing & Painting

**Credit:** 1.00

**Length:** Year

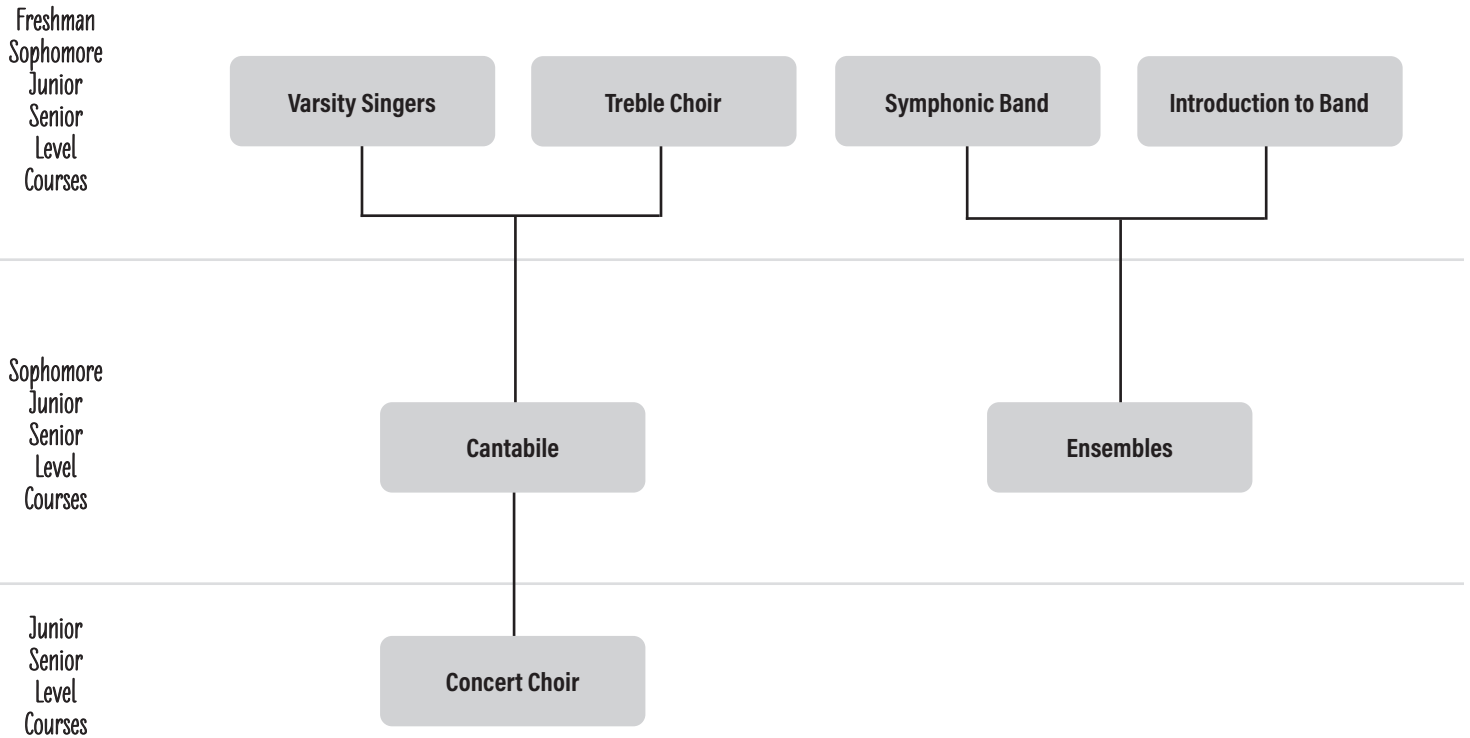
**Fee:** \$10

AP<sup>®</sup> Studio Art will involve the completion of high quality work within drawing, painting, or clay. Students will challenge their skills and be innovative thinkers. Students will investigate formal and conceptual aspects of art making to communicate ideas. Documenting through professionally photographing work will be taught. The goal of this course will be for students to create a body of work that is unified by a student-determined theme, so that they may earn college credits.

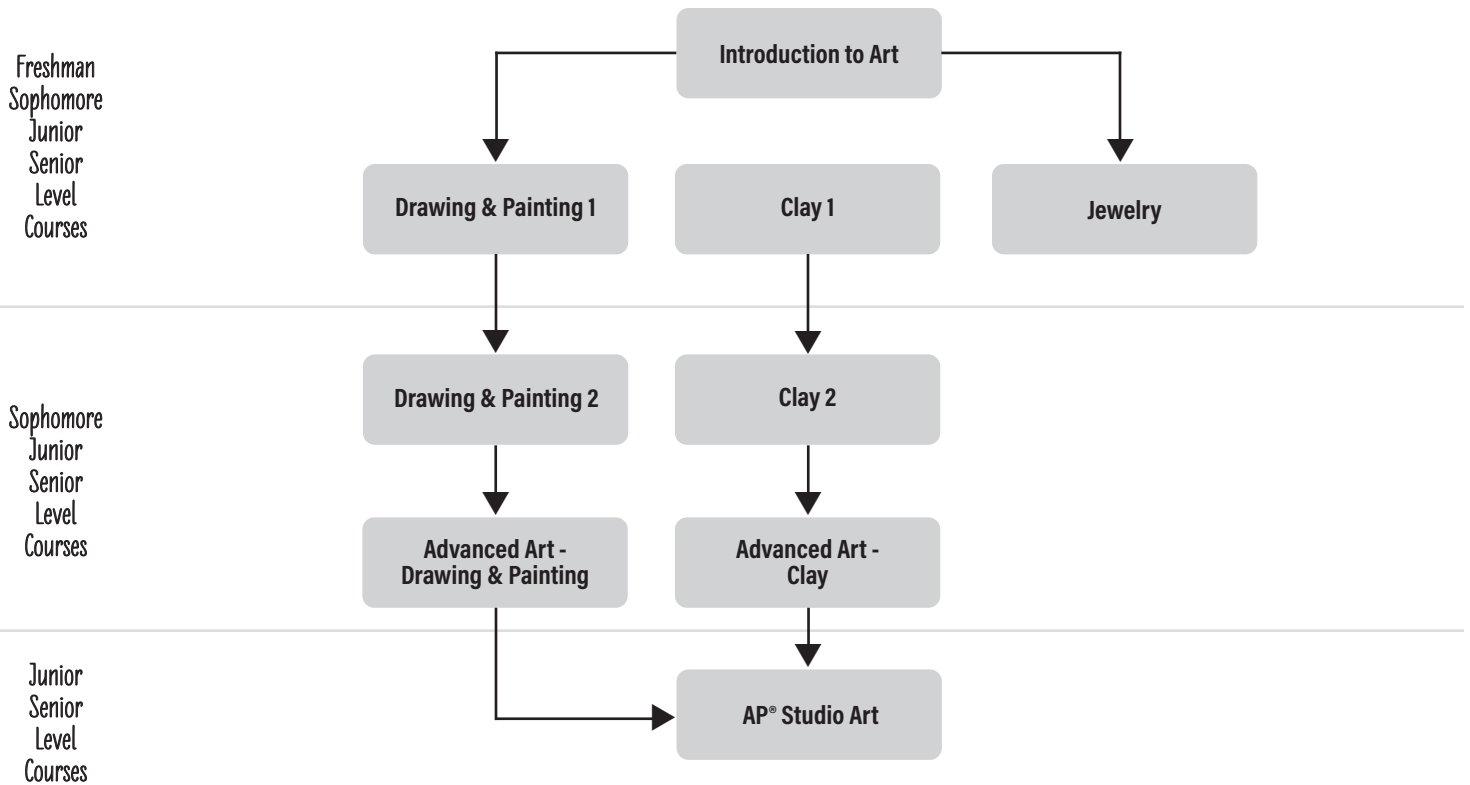
###

# FINE ARTS FLOW CHART

## MUSIC



## VISUAL ARTS







# HEALTH & WELLNESS EDUCATION

## Curriculum Instructors:

**AARON FIEDLER** // BS - University of Wisconsin-Whitewater

**BENJAMIN GOTZ** // BS - University of Wisconsin-Stevens Point

**DANELLE LEY** // BS - University of Wisconsin-Stevens Point // MS - Viterbo University

**NICOLE SCHWARTZ** // BS - University of Wisconsin-Stevens Point // MS - University of Wisconsin-Stevens Point

## HEALTH

### REQUIRED FOR GRADUATION:

900 Health\* - 0.5 credit

*\*Credit may not count toward 17 credits required by the UW System.*

### 900 HEALTH (REQUIRED)

**Grade:** 9

**Prerequisite:** None

**Credit:** .50

**Length:** Semester

Health explores our comprehensive health, focusing on physical, social and mental/emotional health. Emphasis is placed on evaluating health risks which impact our lives from adolescence through adulthood. Throughout this course, we establish decision-making and refusal strategies that may be used to make healthful lifestyle choices and maintain abstinence from risky behaviors. In addition, students will evaluate, recognize, and establish values that will lead to a healthy lifestyle. Units of study include: communicable and chronic diseases, mental health, drugs, alcohol, tobacco, nutrition, social health, human growth and development. Parents/students who wish to be excused from the human growth and development unit, which contains content involving sexuality, may do so by contacting the principal and instructor at the beginning of the term.

###



### 901 HEALTH OCCUPATIONS - DC

**Grade:** 11 / 12

**Prerequisite:** Health 900

**Credit:** .50

**Length:** Semester

This course will introduce students to the culture of healthcare and is recommended for those interested in working in various healthcare settings. Students will learn about professionalism, interpersonal and written communication skills, problem-solving skills and patient privacy and confidentiality issues as they relate to healthcare. A portion of this course will be spent in the classroom studying and a portion of the course will be spent listening to guest speakers in the health science occupation fields.

**Supply List:** Index cards

###



## 902 MEDICAL TERMINOLOGY - DC

**Grade:** 11 / 12

**Prerequisite:** Health

**Credit:** .50

**Length:** Semester

**Fee:** Must purchase text book

Focuses on the component parts of medical terms: prefixes, suffixes and word roots. Students practice formation, analysis and reconstruction of terms. Emphasis on spelling, definition and pronunciation. Introduction to operative, diagnostic, therapeutic and symptomatic terminology of all body systems, as well as systemic and surgical terminology. Students partaking in Youth Apprenticeship Health Care or students interested in the Health Care field are strongly encouraged to enroll in this course.

**Supply List:** 1" three-ring binder and *Exploring Medical Language*, 10th Edition.

###

# WELLNESS EDUCATION

## REQUIRED FOR GRADUATION:

1.5 credits of wellness education

- State of Wisconsin requirement is 1.5 credits of physical education to be earned over three years.
- Students in grade 9 may choose from Yoga, Sport and Fitness, Weight Lifting, Personal Defense, and Swimming/Lifeguarding.
- Students in grades 10-12 could choose any of the courses, so long as they meet the prerequisite for the class.
- Courses can be repeated for physical education credit.
- Any courses taken beyond .5 credits in the same school year will be considered elective credits.
- Any credits earned over the required 1.5 will be considered elective credits.

**General Supply List:** Tee shirt, sweatshirt, athletic shorts or sweatpants, athletic shoes.

## 905 SPORT AND FITNESS

**Grade:** 9 / 10 / 11 / 12

**Prerequisite:** None

**Credit:** .50

**Length:** Semester

In this class, students will gain knowledge in the components of various sports including performance/strength training, offensive and defensive strategies and understanding official game rules. The course gives the student the opportunity and necessary tools to understand and experience each sport from all perspectives including a player, a coach and an official.

###

## 910 PERSONAL DEFENSE

**Grade:** 9 / 10 / 11 / 12

**Prerequisite:** None

**Credit:** .50

**Length:** Semester

**Fee:** \$50 (*All students - Includes unlimited access to classes at Central Wisconsin Martial Arts*)

**Uniform Fee Options:**

\$25 - purchase of new personal defense uniform

\$5 - rental of MHS personal defense uniform

\$0 - You own a personal defense uniform

This course teaches basic PaSaRyu and Hapkido techniques to students. Students will be taught strategies and techniques to avoid dangerous situations. Students will also be instructed in the

techniques of self-defense, stretching, conditioning, anatomy, pressure points and basic techniques. The philosophy of martial arts will also be part of this class. Students will have the opportunity to earn different belts as they master the steps of each level.

###

## 915 SWIMMING / LIFEGUARD TRAINING

**Grade:** 9 / 10 / 11 / 12

**Prerequisite:** None

**Credit:** .50

**Length:** Semester

**Fee:** Additional Red Cross Certification fees may apply

Students in this class will experience lessons designed to increase overall fitness related to aquatic activities, improve their basic swim stroke, and develop life saving skills. The course curriculum will combine Wellness standards with Red Cross course work. Wellness lessons will focus on developing personal water safety, diving, and fitness-related skills. The Red Cross material will be taught in conjunction with the Mosinee YMCA, and will focus on life guarding, CPR, and first aid skills. ALL students will complete the Red Cross Certification programming, and have the option of paying for Red Cross Certification in Life Guarding, CPR/AED, or First Aid.

**Note:** Student must be 15 years old on or before the end of the course to be certified through the Red Cross.

###

## 920 WEIGHTLIFTING

**Grade:** 9 / 10 / 11 / 12

**Prerequisite:** None

**Credit:** .50

**Length:** Semester

This course is designed for beginning to advanced level students. Students will learn about training principles related to strength, power, speed, agility, and endurance development. They will develop individualized training outcomes, and follow programming designed to meet those goals. We will collect fitness levels throughout the semester, and work towards improving in health-related and skill-related fitness components. Students will complete pre and post-testing, video analysis and strength and conditioning workouts.

###

## 925 YOGA

**Grade:** 9 / 10 / 11 / 12

**Prerequisite:** None

**Credit:** .50

**Length:** Semester

This is an ALL LEVELS yoga class. Yoga is a great class for those students who are looking for a non-competitive physical activity and environment, individual personal fitness, relaxation and stress management, improvements in cardiovascular endurance, muscular strength, flexibility, and weight management.

The class is based on the following styles of yoga:

**Power Vinyasa:** A vigorous and challenging practice that emphasizes increasing strength, balance, and flexibility, to improve physical performance.

**Yin:** Slower paced yoga focusing on mindfulness and increased flexibility.

**Yoga Body Bootcamp:** Hybrid of yoga and high intensity fitness based exercises combined.

Intermediate and advanced poses, including arm balances and inversions, will be blended into daily classes to offer challenges to the advanced yoga students and those who choose to repeat this class.

**Supply List:** Yoga mat, pillow case

###

## 926 ADVANCED YOGA

**Grade:** 10 / 11 / 12

**Prerequisite:** Yoga *and* signed instructor pre-approval

**Credit:** .50

**Length:** Semester

It is required that students seeking to take this class have successfully completed a semester of our Yoga class first and feel confident, safe, and strong throughout the classic Vinyasa flow. Advanced Yoga class is a continuation of Yoga class, where students learn additional poses, explore more complex movements and sequences, including arm balances and inversions, layered over solid foundations. This class is a strong, fast-paced class designed to build strength. A total body workout that creates longer, leaner muscles and a body with more mobility and increased power.

**Supply List:** Yoga mat, pillow case

###

## 931 ADVENTURE FITNESS

**Grade:** 10 / 11 / 12

**Prerequisite:** Students must pass all previous Wellness Education classes with a grade of "C" or better prior to taking Adventure Fitness.

**Credit:** .50

**Length:** Semester

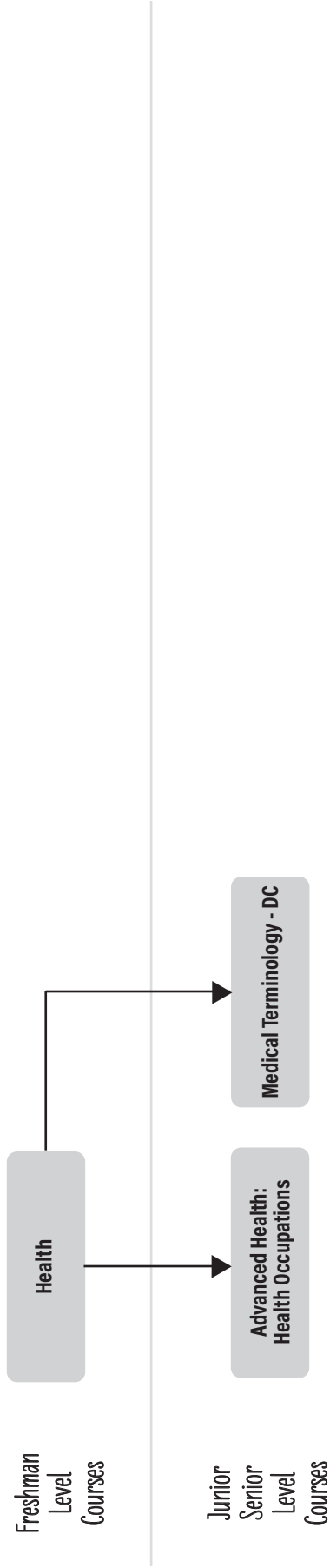
**Fee:** Field trips will be taken for this class which may require students to pay nominal fees.

Disc golf, roller-blading, kayaking, golf, climbing, snow-shoeing, orienteering and geocaching, strength training and cardiovascular fitness and climbing are the basic units for this course. Activities may vary each semester due to weather and other activities will also be introduced in this class. It is designed for the student who likes the outdoors and a variety of activities in their workouts. Students will learn proper techniques, safety and injury prevention, benefits of each activity/exercise, and other topics. This class stresses lifetime activities and fitness. Students wishing to participate in this class must have a high level of responsibility and mature behavior.

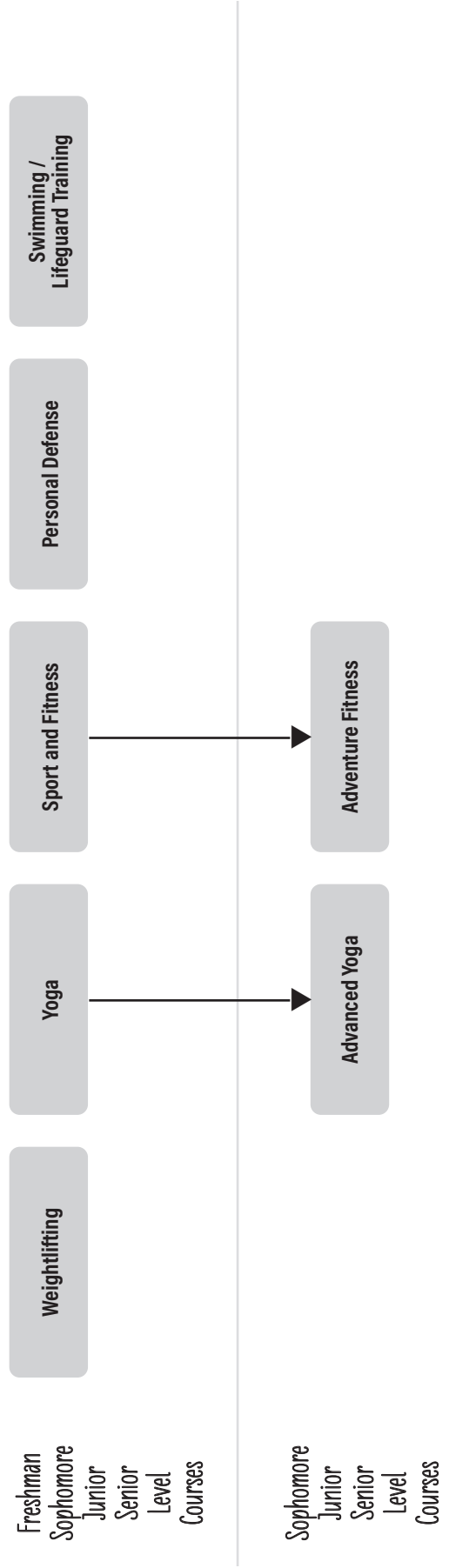
###

# HEALTH & WELLNESS EDUCATION FLOW CHART

## HEALTH



## WELLNESS EDUCATION







# INDUSTRIAL TECHNOLOGY

## Curriculum Instructors:

**PAUL BARTNIK** // VDW - Northcentral Technical College // Occupational Certification

**KRISTIE HECKENDORF-PAUL** // VDW - Northcentral Technical College // BS - University of Wisconsin-Stout

**BRADLEY OLESON** // BS - University of Wisconsin-Platteville

## 701-702 MULTIMEDIA DESIGN

**Grade:** 9 / 10 / 11 / 12

**Prerequisite:** None

**Credit:** 1.00

**Length:** Year

This course provides a basic, but comprehensive understanding of the fundamental processes of the graphic design, graphic communications, and entertainment design industries. Students will gain creative and technical skills by using several of the techniques and methods currently being practiced in these fields. A wide variety of course work will provide students with an engaging hands-on experience. The graphics and entertainment industry, and its related job fields, is one of the top five employability areas. This course prepares students for possible involvement in design apprenticeships during junior and senior years and post-secondary schooling. Students will spend the majority of their time utilizing Adobe Photoshop, Illustrator, and InDesign. Students will also touch the surface of movie creation through stop motion video and digital photography.

**Supply List:** 16 GB (min.) USB Flash Drive, 8 GB (min.)

###



## 703-704 MULTIMEDIA DESIGN PRO - DC

**Grade:** 10 / 11 / 12

**Prerequisite:** "C" or better in Multimedia Design

**Credit:** 1.00

**Length:** Year

Multimedia Design Pro is the art of integrating multiple forms of media. Students will gain advanced skills in Photoshop, Illustrator, InDesign, and much more. Basic skills will be learned in animation and customer-based work and communications.

This is a project-based class and a competency-based educational approach will be applied for evaluation.

**Supply List:** 16 GB (min.) USB Flash Drive

###



## 705-706 MULTIMEDIA DESIGN COMMUNICATIONS - DC

**Grade:** 11 / 12

**Prerequisite:** "C" or better in Multimedia Design Pro

**Credit:** 1.00

**Length:** Year

This course provides an in-depth look and understanding of the Adobe Creative Suite. Students will work independently with Photoshop, InDesign, and Illustrator to create high quality products. Some hands-on customer based work include: homecoming and graduation booklets, prom tickets, Badger State Game badges, and community and school event documents. Students will use production procedures that closely resemble industry practices, as well as planned exercises supplemented by school production. A competency-based educational approach will be applied for evaluation. Dual credit can be earned in Introduction to Printing and Computer Page Layout.

**Supply List:** 16 GB (min.) USB Flash Drive

###



## 707 DIGITAL PHOTOGRAPHY - DC

**Grade:** 11 / 12

**Prerequisite:** None

**Credit:** .50

**Length:** Semester

Explore digital photography, as a profession or hobby. Cover digital image basics, digital camera features, digital camera usage, photographic techniques, studio photography, basic digital image editing and production of digital images.

This is a dual credit course through NTC. Upon completion of digital photography students have the possibility to receive three college credits.

**Note:** Students must receive a “B” or higher in each unit to receive dual credit.

**Supply List:** 8 GB (min.) SD Card

###

## 710 INTRODUCTION TO METALWORKING

**Grade:** 9 / 10 / 11 / 12

**Prerequisite:** None

**Credit:** .50

**Length:** Semester

**Fee:** \$30.00\*

Introduction to Metalworking is an introductory course designed for any student interested in learning parts of the manufacturing industry. Hands-on experience will be provided in shop safety and maintenance along with measurement, casting, welding, sheet metal work, lathe and mill operation, and finishing. Students will begin on the journey to receive dual credit in Welding and Machine Tool if they decide to continue beyond Introduction to Metalworking in future semesters.

**Supply List:** Z87 Safety glasses, closed toe leather boots, jeans, 2 permanent markers

*\*Additional lab fees possible based on material usage for individual projects.*

###



## 711 WELDING - DC

**Grade:** 10 / 11 / 12

**Prerequisite:** Introduction to Metalworking

**Credit:** .50

**Length:** Semester

**Fee:** \$30.00

Students will compare equipment and techniques used in the major arc welding processes. Students will perform introductory level welds in the SMAW, GMAW, FCAW and GTAW processes. Students will also learn material preparation skills including but not limited to shearing and grinding. Welding is a dual credit course designed in collaboration with NTC.

**Supply List:** Z87 Safety glasses, closed toe leather boots, jeans

###



## 712 MACHINE TOOL - DC

**Grade:** 10 / 11 / 12

**Prerequisite:** Introduction to Metalworking

**Credit:** .50

**Length:** Semester

**Fee:** \$30.00

Students will apply and learn the operation of mills, lathes, drilling, grinding and general metal fabrication. This course is designed to give the learner both theory and hands-on training, leading to the ability to work safely in a shop. Individual part fabrication and precision measurement are also covered. This is a dual credit course; successful completion of Machine Tool will meet the requirements for the Introduction to Machine Shop course at NTC.

**Supply List:** Z87 Safety glasses, closed toe leather boots, jeans

###

## 713-714 MOSINEE MANUFACTURING

**Grade:** 11 / 12

**Prerequisites:** “C” or better in Introduction to Metalworking, Welding - DC or Machine Tool - DC

**Credit:** 1.00

**Length:** Year

Mosinee Manufacturing is a student-run business in which students produce products for customers. Students will be exposed to every aspect of running a small business, including account management, shipping and receiving, design, quality control, production, bidding, and inventory.

**Note:** Students accepted for the class are hired by the business, complete a job application, present letters of recommendation, and are interviewed.

**Supply List:** Z87 Safety glasses, steel closed toe leather boots, jeans

###

## 720 BASIC WOODWORKING

**Grade:** 9 / 10 / 11 / 12

**Prerequisite:** None

**Credit:** .50

**Length:** Semester

**Fee:** \$55.00

Students will learn to operate common wood processing machines (Table saw, Miter saw, Routers, Jointer, Planer, and measurement tools) and CNC (Computer Numerically Controlled) machines safely. They will also learn and understand basic operations and procedures related to wood processes. Problem-solving skills are a must in this class.

**Supply List:** 12' tape measure, Z87 safety glasses

###



## 722-723 FURNITURE AND CABINETMAKING - DC

**Grade:** 10 / 11 / 12

**Prerequisite:** "C" or better in Basic Woodworking

**Credit:** 1.00

**Length:** Year

**Project Range:** \$30.00 and up based on student project design and bill of materials

Furniture and Cabinetmaking begins with an overview of all machine operations and safety. Each student is required to select, design, and construct a cabinet. Students execute more difficult procedures such as dovetail joints, raised panel doors and mortise and tenon joints. At least one operation/process must be completed using the CNC Router. Students will be evaluated on effort, participation, workmanship, and basic employability skills.

**Supply List:** 12' tape measure, Z87 safety glasses

###

## 725-726 CONSTRUCTION I

**Grade:** 9 / 10 / 11 / 12

**Prerequisite:** None

**Credit:** 1.00

**Length:** Year

Students will be learning the basic skills of construction: framing, electrical, plumbing, roofing, drywalling, and basic home repairs. Students who take this class will learn skills that will make them life and career ready! Students will be evaluated on effort, participation, workmanship, and basic employability skills.

**Supply List:** Z87 Safety glasses, tape measure, jeans

###

## 727-728 CONSTRUCTION 2

**Grade:** 10 / 11 / 12

**Prerequisite:** Construction 1

**Credit:** 1.00

**Length:** Year

Students will build off skills (Blueprint Reading, Framing, Sheathing, Electrical, Plumbing, Roofing) learned in Construction 1. They will put those skills to the test as construction projects are built for the community and school. Using these skills students will gain hands-on experience in the field of construction. Students will be evaluated on effort, participation, workmanship, and basic employability skills.

**Supply List:** Z87 Safety glasses, hard hat, tool belt, hammer, steel toe work boots, jeans, tape measure, speed square

###

## 729-730 CONSTRUCTION 3

**Grade:** 11 / 12

**Prerequisite:** Construction 1 & 2

**Credit:** 2.00

**Length:** Year, 2 Periods Daily

Students will use the skills they have been building on throughout the construction program to construct a house for a family through Habitat for Humanity. Students will participate in the rough framing, exterior finishes, and interior finishes, along with going to the jobsite to set the house. Students will gain real world experience while working together building the Habitat house.

**Supply List:** Z87 Safety glasses, hard hat, tool belt, hammer, steel toe work boots, jeans, tape measure, speed square

###

## 732-733 ENGINEERING BASICS

**Grade:** 9 / 10 / 11 / 12

**Prerequisite:** None

**Credit:** 1.00

**Length:** Year

Students in this course will learn how to identify a need, and design a product that can fill that need. The course focuses on using the design process to solve problems. Students will brainstorm, sketch out and 3D model their ideas. Students will learn how to make sketches, communicate ideas, determine measurements, proportion, color, and materials for a product. Students will gain an understanding of product design and problem solving.

###

## 734-735 ADVANCED ENGINEERING

**Grade:** 10 / 11 / 12

**Prerequisite:** None

**Recommendation:** Completion of Engineering Basics  
and Engineering Applications

**Credit:** 1.00

**Length:** Year

This course will allow students to immerse themselves in the world of engineering. Students will use their knowledge of engineering to solve real world problems. Course topics will cover civil, electrical, mechanical and architectural engineering. Projects will include combining skills from different engineering disciplines to create functioning and testable prototypes. Skills learned in this course will help prepare students to be ready for life, or a career in engineering and related fields.

###

## 741-742 ENGINEERING APPLICATIONS

**Grade:** 10 / 11 / 12

**Prerequisite:** None

**Recommendation:** Completion of Engineering Basics

**Credit:** 1.00

**Length:** Year

Students will use the skills they have acquired in Engineering Basics and build upon them to further their understanding of engineering and the design process. The course will primarily consist of projects that students will plan, design, build and test. Skills that students will acquire include 3D modeling, electronics, architecture and civil engineering. Students will also be able to physically build and test many of their product solutions through destructive testing.

###

## 747 CHROMEBOOK REPAIRS

**Grade:** 9 / 10 / 11 / 12

**Prerequisite:** None

**Credit:** .25

**Length:** Semester

Chromebook Repairs will be a blended learning class that will offer students a chance to gain technical knowledge by assisting to repair, troubleshoot and maintain the district's nearly 1,300 chromebooks. The class will run as an independent study during a student's study hall on either A or B days depending on the student's preference and availability. Training will take place during the first three weeks of the class offering. Training will include troubleshooting screen repairs, battery replacement, and other general repairs. In addition to device maintenance, students will participate

in blended learning through the district's new Learning Management System, Canvas, to learn new technology skills and keep up-to-date on the latest technology advancements.

###

## 748 INTRODUCTION TO FABLAB

**Grade:** 9 / 10 / 11 / 12

**Prerequisite:** None

**Credit:** .50

**Length:** Semester

**Fee:** \$25.00

Do you like art, design, electronics, building or wonder how everyday things are made? Do you have an idea that solves a want or a need? Would you like to improve a product or build something of your own that is fun and functional? Let us help you learn how to make just about anything. In the FabLab you will use state-of-the-art equipment to turn an idea into a design that you will build and test. This course develops skills used in many interrelated career fields, including engineering, science, mathematics, art, graphic design, computer aided design (CAD), electronics, and entrepreneurship.

###

## 749 MAKE SOMETHING BIG

**Grade:** 9 / 10 / 11 / 12

**Prerequisite:** Introduction to FabLab with a "C" or  
better *or* consent of instructor.

**Credit:** .50

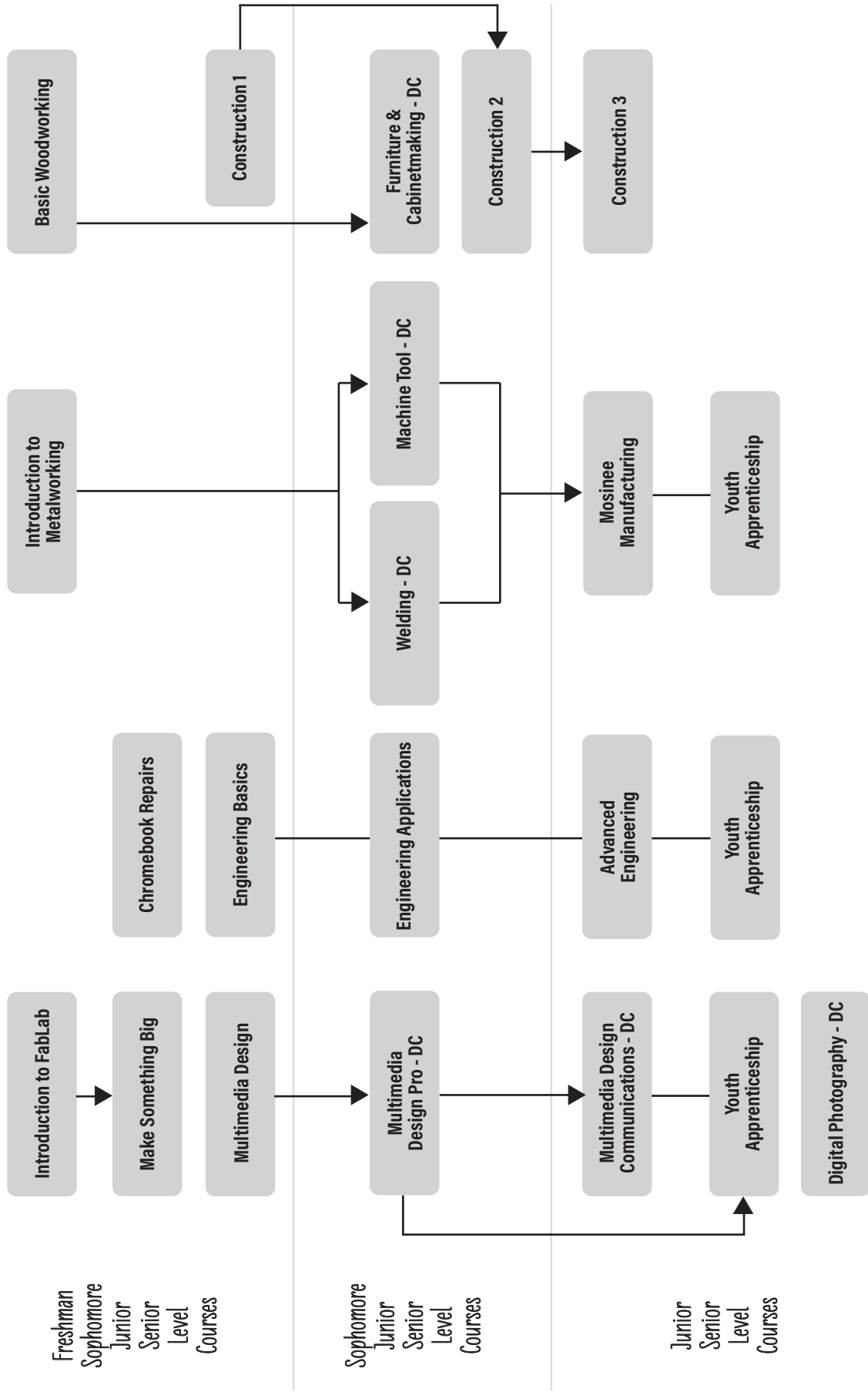
**Length:** Semester

**Fee:** \$25.00

Can you make the perfect rocking chair? Will you design the ultimate treehouse? In this course you are not limited by size as you will learn how to use large format machining to create large scale projects. To do this, you will apply the principles of art, design, and engineering to create large objects of interest to you.

###

# INDUSTRIAL TECHNOLOGY FLOW CHART



The arrows indicate the course is a prerequisite.  
The lines represent a logical progression of course selection.



# MATHEMATICS

## Curriculum Instructors:

**JAMES DAUL** // BS - University of Wisconsin-Stevens Point

**JOSHUA HAU** // BS - Concordia University Wisconsin

**CALE HOPPE** // BS - University of Wisconsin-Stevens Point // MSE - Viterbo University // CME - American College of Education

**KRISTIN NIELSON** // BS - University of Wisconsin-Stevens Point

**MIKAYLA ZASTROW** // BBA - University of Wisconsin-Stevens Point

## REQUIRED FOR GRADUATION:

3 credits of mathematics

### 410-411 ALGEBRA I

**Grade:** 9 / 10 / 11 / 12

**Prerequisite:** Placement recommendation *or* consent of instructor

**Credit:** 1.00

**Length:** Year

Algebra 1 is the study of abstract mathematics. This course stresses "how and why" the number systems act the way they do. Properties of the natural numbers, integers, rationals, and real numbers are studied. Methods of graphing linear equations, solving equations, inequalities, quadratics and systems of equations are developed. Special emphasis is given to realistic and practical verbal problems.

Algebra 1 is a prerequisite for Geometry and Chemistry.

*Any student who plans to attend college will find that algebra is an entrance requirement.*

**Supply List:** 1.5" or 2" Binder, scientific calculator required.

###

### 412-413 GEOMETRY

**Grade:** 9 / 10 / 11 / 12

**Prerequisite:** Algebra I

**Credit:** 1.00

**Length:** Year

Geometry is the study of points, lines, planes, and space. This is used to develop logical ways of solving not only the problems we know about today, but also to give us methods for solving the now unknown problems of the future. Plane and space geometry explores the ideas of equality, inequality, congruence, and similarity. This course is required for college/university entrance and is helpful in many of the technical college programs.

*Any student who plans to attend college will find that Geometry is an entrance requirement.*

**Supply List:** 1.5" or 2" Binder, compass/ruler/protractor set, scientific calculator required, pencil/pens

###



### 414-415 ALGEBRA 2 - DC

**Grade:** 9\* / 10 / 11 / 12

**Prerequisite:** Geometry or consent of instructor

*\*Can be taken Freshman year with Geometry with consent of instructor*

**Credit:** 1.00

**Length:** Year

Algebra 2 reviews and expands the concepts found in algebra and geometry. Competence in the handling of real numbers is emphasized, but complex numbers are also included. Various relations and functions are studied with an introduction to trigonometry included. This course is needed by most college-bound students.

*Any student who plans to attend college will find that Algebra 2 is an entrance requirement.*

**Supply List:** TI-84 Plus graphing calculator (recommended)

###



## 418-419 FINANCIAL ALGEBRA

**Grade:** 11 / 12

**Prerequisite:** Geometry

**Credit:** 1.00 Mathematics credit *and* fulfills the Financial Literacy requirement.

**Length:** Year

Financial Algebra is a mathematical modeling course that is algebra-based, applications-oriented, and technology-dependent. The course addresses college preparatory mathematics topics from Algebra 2, Statistics, Probability, Pre-calculus, and Calculus under seven financial umbrellas: Banking, Investing, Credit, Employment and Income Taxes, Automobile Ownership, Independent Living, and Retirement and Household Budgeting. The course allows student to experience the interrelatedness of mathematical topics, find patterns, make conjectures, and extrapolate from known situations to unknown situations.

###



## 430-431 AP<sup>®</sup> PRECALCULUS - DC

**Grade:** 11 / 12

**Prerequisite:** Successful completion of Algebra 2

**Credit:** 1.00

**Length:** Year

Precalculus is a course for students who plan to continue their education in a field requiring a strong math background. This will include the study of coordinate geometry, elementary functions and circular function. Students will study trigonometry through unit circles and by right, acute and obtuse triangles. Topics include angles, arcs, sectors, and the six trigonometric functions. The laws of sines, cosines, trig inverse functions and their practical applications will also be studied along with the study of polynomial functions, complex numbers, exponents and logarithms. Other topics include: series and sequences, vector analysis, and an introduction to Calculus including limits of functions, slopes, and derivatives.

**Supply List:** TI-84 Plus Graphing Calculator

###



## 432-433 AP<sup>®</sup> CALCULUS AB - DC

**Grade:** 11 / 12

**Prerequisite:** Precalculus (Recommend a "C" or better average in Precalculus)

**Credit:** 1.00

**Length:** Year

AP<sup>®</sup> Calculus AB is designed for accelerated students planning on pursuing a career involving higher order mathematics. This course is divided into two parts, the first being differential calculus and the second being integral calculus. Slopes, tangent lines, velocity and acceleration are all areas covered under differential calculus. Topics such as maxima, minima, concavity, and inflection points are included. Integral calculus covers definite and indefinite integrals, areas under curves, volumes of solids of revolution, as well as various techniques of integration. Students can take this class for high school credit and can also achieve up to five college calculus credits by passing the AP<sup>®</sup> Calculus exam at the end of the year.

**Supply List:** TI-84 Plus or Graphing Calculator

###

## 434-435 AP<sup>®</sup> CALCULUS BC

**Grade:** 12

**Prerequisite:** AP<sup>®</sup> Calculus AB *or* consent of instructor

**Credit:** 1.00

**Length:** Year

AP<sup>®</sup> Calculus BC will review AP<sup>®</sup> Calculus AB topics expanding on integration techniques and introducing additional concepts including, but not limited to: integration by parts, logistic differential equations, and polynomial approximation and series.

**Supply List:** 2" Binder, TI 84 Graphing calculator is required

###



## 436-437 AP® STATISTICS

**Grade:** 11 / 12

**Prerequisite:** Completion of Algebra 2 with a "C" or higher *or* consent of instructor.

**Credit:** 1.00

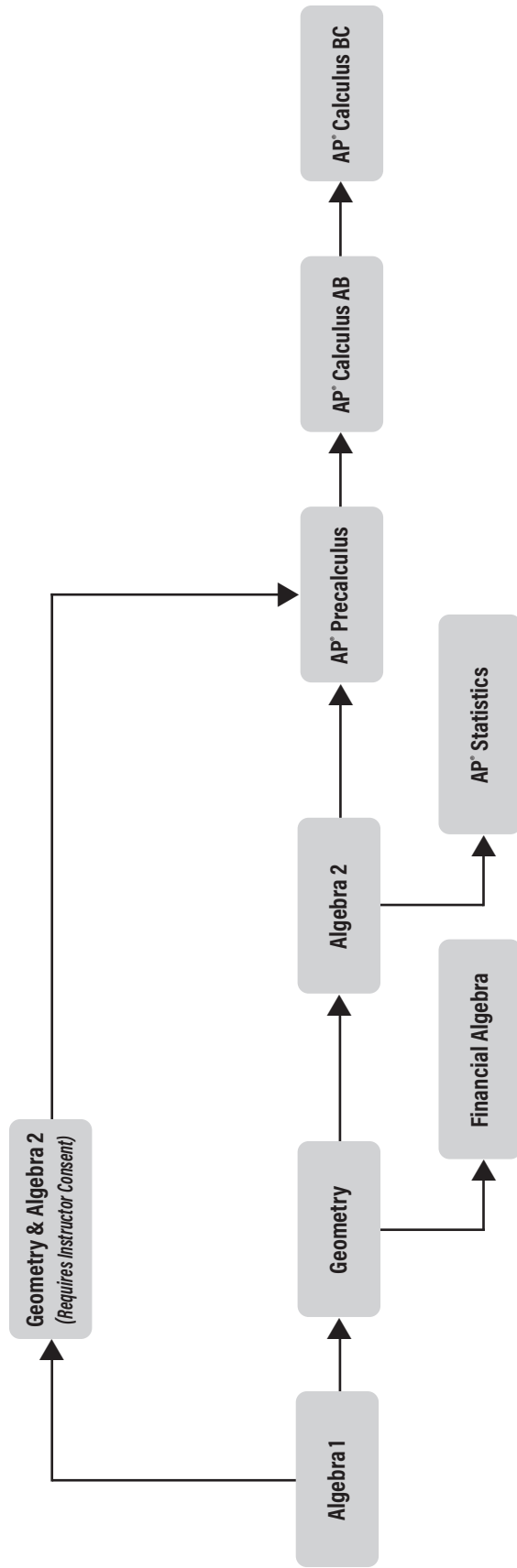
**Length:** Year

The AP® Statistics course is equivalent to a one-semester, introductory, non-calculus-based college course in Statistics. The course introduces students to the major concept and tools for collecting, analyzing, and drawing conclusions from data. There are four themes in the AP® Statistics course: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students use technology, investigations, problem solving, and writing, as they build conceptual understanding. The use of a graphing calculator in AP® Statistics is considered an integral part of the course.

**Supply List:** TI-84 Plus Graphing Calculator (*A TI-84 Plus Silver Edition calculator is strongly recommended.*)

###

# MATHEMATICS FLOW CHART



# SCHOOL TO CAREER

## Curriculum Instructors:

**SUSAN SWINICK** // BS - University of Wisconsin-Stout

### **1001 INTERNSHIP (1<sup>ST</sup> SEMESTER)**

### **1002 INTERNSHIP (2<sup>ND</sup> SEMESTER)**

**Grade:** 11 / 12

**Prerequisite:** None

**Credit:** .50

**Length:** Semester

Internship focuses on developing basic interpersonal skills necessary for success in the world of work. Each student must be employed in a position appropriate for a high school student. It is the responsibility of the student to locate this employment. Credit will be earned based on successful assessment by the School to Career coordinator and the employer. Employment must be secured by the fifth day of the semester and must be maintained throughout the semester.

All students enrolled in the Internship program will be eligible to participate in the Wisconsin Department of Public Instruction's Employability Skills Certificate program. Upon successful completion of this program, students will receive a Certificate of Occupational Proficiency in Employability Skills from the DPI.

###

### **1003-1004 STUDENT LEADER MENTORSHIP**

**Grade:** 11 / 12

**Prerequisite:** Consent of Instructor

**Credit:** .50 or 1.00

**Length:** Semester or Year

Students participating in the Student Leader Mentorship program will be provided an Education and Training Career Cluster experience in classrooms. Each student participating in this program will be under the direct supervision of a highly-qualified teacher within that content area. Students will receive .50 elective credit per semester upon successful completion of target competencies outlined by the Department of Public Instruction's Youth Leadership Skills Certificate program. Students interested in participating in this program should contact the School to Career Coordinator in Student Services for details regarding prerequisites and approval form.

###

### **1090-1091 YOUTH APPRENTICESHIP - 1 YEAR**

**Grade:** 11 / 12

**Prerequisite:** Accepted into the Youth Apprenticeship Program

**Co-requisite:** Upper level program related high school or technical college course(s).

**Credit:** 2.00

**Length:** Year

The Youth Apprenticeship Program provides juniors and seniors with School to Career opportunities through classroom and on-the-job experience in a specific industry while in high school. One and two year programs are available. Students must submit an application, interview at a work site sponsor of the program and be accepted as an employee at that work site to participate in the program. Students must work a minimum of 450 hours at the sponsoring work site and complete the skills identified for the one year program requirements. Upon successful completion of the program, students will receive a Certificate of Occupational Proficiency from the Wisconsin Department of Work Force Development. The Youth Apprenticeship Program is recognized state-wide and nationally.

###

### **1092-1093 YOUTH APPRENTICESHIP - 2 YEAR**

**Grade:** 12

**Prerequisite:** 1090-1091 Youth Apprenticeship

**Co-requisite:** Upper level program related high school or technical college course(s).

**Credit:** 2.00

**Length:** Year

Students participating in the second year of the Youth Apprenticeship Program must work an additional 450 hours, for a total of 900 hours, and complete the skills identified for the one and two year program requirements.

###



# SCIENCE

## Curriculum Instructors:

**JANELLE ESCHMAN** // BS - University of Wisconsin-Stevens Point

**TOM FITZGERALD** // BS - University of Wisconsin-Stevens Point // MS - Cardinal Stritch University

**MATTHEW LINDSEY** // BS - University of Wisconsin-La Crosse // MSE - University of Wisconsin-Oshkosh

**LORI NATZKE** // BS - University of Wisconsin-Stevens Point // MS - University of Wisconsin-River Falls

**NATALIE WIELOCH** // BS - University of Wisconsin-Stevens Point // MS - Montana State University

## REQUIRED FOR GRADUATION:

3 credits of science including  
315-316 Integrated Science 9

### 315-316 INTEGRATED SCIENCE 9 (REQUIRED)

**Grade:** 9

**Prerequisite:** None

**Credit:** 1.00

**Length:** Year

Integrated Science is designed to meet the needs of all Mosinee High School students. A heavy emphasis is placed on the science as the process of carrying out an investigation, collecting data, analyzing data, interpreting the results, and communicating the results.

**Supply List:** Regular notebook, scientific calculator, three-ring binder

###

### 330-331 BIOLOGY

**Grade:** 10 / 11 / 12

**Prerequisite:** None

**Credit:** 1.00

**Length:** Year

Biology is the study of living things. Students planning on pursuing further education at a technical college or four-year college should consider this class. The underlying theme is biological; however, earth science, chemistry, physics, and environmental science are incorporated into the curriculum. An emphasis is placed on the process of science.

###

### 323-324 EARTH & SPACE SCIENCE

**Grade:** 10 / 11 / 12

**Prerequisite:** None

**Credit:** 1.00

**Length:** Year

This course develops an understanding of a wide range of topics in Earth and Space Science. The standard topics are: space systems, history of Earth, Earth's systems, weather, climate, and human impacts. The underlying theme is Earth Science, however, biology, chemistry, and physics are incorporated into the curriculum.

Earth and Space Science is designed for the student that wants to increase their knowledge of general science concepts and how they apply to the world around them.

**Supply List:** Three-ring binder

###

### 332-333 ADVANCED BIOLOGY (FORMERLY HONORS BIOLOGY)

**Grade:** 11 / 12

**Prerequisite:** For Semester 1 - completion of two credits of Science with "C" or better *or* consent of instructor

For Semester 2 - successful completion of Semester 1 *or* consent of instructor

**Recommendation:** Completion of Chemistry and Biology

**Credit:** 1.00

**Length:** Year

First semester is designed to give students mixed topics of biological terminology, animal physiology and anatomy, biochemistry, and plants. Dissections and labs will be performed to complement the advanced biology topics. Second semester introduces students to microbiology through the study of microbial relationships to food, medicine, and environment. During the semester,

students receive extensive laboratory experiences stressing interpretation of lab results.

Advanced Biology is strongly recommended for students entering biology, natural resources, and medical-related fields.

###



## 340-341 CHEMISTRY - DC

**Grade:** 10 / 11 / 12

**Prerequisite:** Completion of/or enrollment in Algebra

**Credit:** 1.00

**Length:** Year

Chemistry includes experiences with the basic topics in chemistry. Students planning on pursuing further education at a technical college or a university should consider this class. Special attention is paid to the application of chemistry in everyday life. A working knowledge of fundamental algebra is necessary.

**Supply List:** Scientific calculator, three-ring binder

###

## 344-345 AP<sup>®</sup> CHEMISTRY LAB

**Grade:** 11 / 12

**Prerequisite:** None

**Co-requisite:** Must be taken concurrently with 346-347

**Credit:** .50

**Length:** Year

Meets every other day providing a study hall opposite of meeting. Provides laboratory experience for students based on Advanced Placement<sup>®</sup> 16 Inquiry Laboratory Activities.

###

## 346-347 AP<sup>®</sup> CHEMISTRY

**Grade:** 11 / 12

**Prerequisite:** Chemistry with a "B" or better *or* consent of instructor

**Credit:** 1.00

**Length:** Year

Advanced Placement<sup>®</sup> Chemistry is an extension of the concepts mastered in Chemistry. The AP<sup>®</sup> Chemistry course focuses on the interactions of particles at the atomic level. Laboratory experiences are blended with the lecture material to increase understanding and focus on inquiry-based learning, 344-345 Chemistry Lab must be taken concurrently.

AP<sup>®</sup> Chemistry is recommended for students with a

strong interest in pursuing a career requiring a full year of college chemistry. While the AP<sup>®</sup> Chemistry exam is not a requirement of the course, students are strongly encouraged to take the exam.

**Supply List:** Scientific calculator, three-ring binder

###



## 350-351 AP<sup>®</sup> PHYSICS I

**Grade:** 10 / 11 / 12

**Prerequisite:** Successful completion of Geometry

**Credit:** 1.00

**Length:** Year

AP<sup>®</sup> Physics 1 is an introductory, non-calculus based physics course, with a focus on kinetics, dynamics, circular motion and gravitation, momentum, simple harmonic motion, torque and rotational motion, electric charge and force, DC circuits, and mechanical waves and sound. The course has been designed to focus on inquiry and in order to better understand the concepts, students will be expected to complete laboratory activities. Students will be working in the laboratory approximately 25% of the year.

**Supply List:** Scientific calculator, three-ring binder

###

## 352-353 AP<sup>®</sup> PHYSICS 2

**Grade:** 11 / 12

**Prerequisite:** Successful completion of AP<sup>®</sup> Physics 1 with a "C" or better

**Credit:** 1.00

**Length:** Year

AP<sup>®</sup> Physics 2 is an introductory, non-calculus based physics course, that builds off of material mastered in AP<sup>®</sup> Physics 1. This course will focus on fluids; thermodynamics; electrical force, field, and potential; electric circuits; magnetism and electromagnetic induction; geometric and physical optics; and quantum, atomic and nuclear physics. The course has been designed to focus on inquiry and in order to better understand the concepts, students will be expected to complete laboratory activities. Students will be working in the laboratory approximately 25% of the year.

**Supply List:** Scientific calculator, three-ring binder

###

## 354-355 AP® ENVIRONMENTAL SCIENCE

**Grade:** 11 / 12

**Prerequisite:** Completion of/or enrollment in Algebra and completion of two semesters of science with a "B" or better **or** consent of instructor

**Credit:** 1.00

**Length:** Year

AP® Environmental Science is designed to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The course helps students identify and analyze natural and human-induced environmental problems. It enables them to learn how to assess the risks associated with these problems and evaluate alternative solutions for resolving and preventing them.

**Supply List:** Three-ring binder

###



## 903-904 BODY, STRUCTURE & FUNCTION - DC

**Grade:** 11 / 12

**Prerequisite:** None

**Credit:** 1.00

**Length:** Year

**Fee:** \$35 for Anatomy and Physiology coloring workbook.

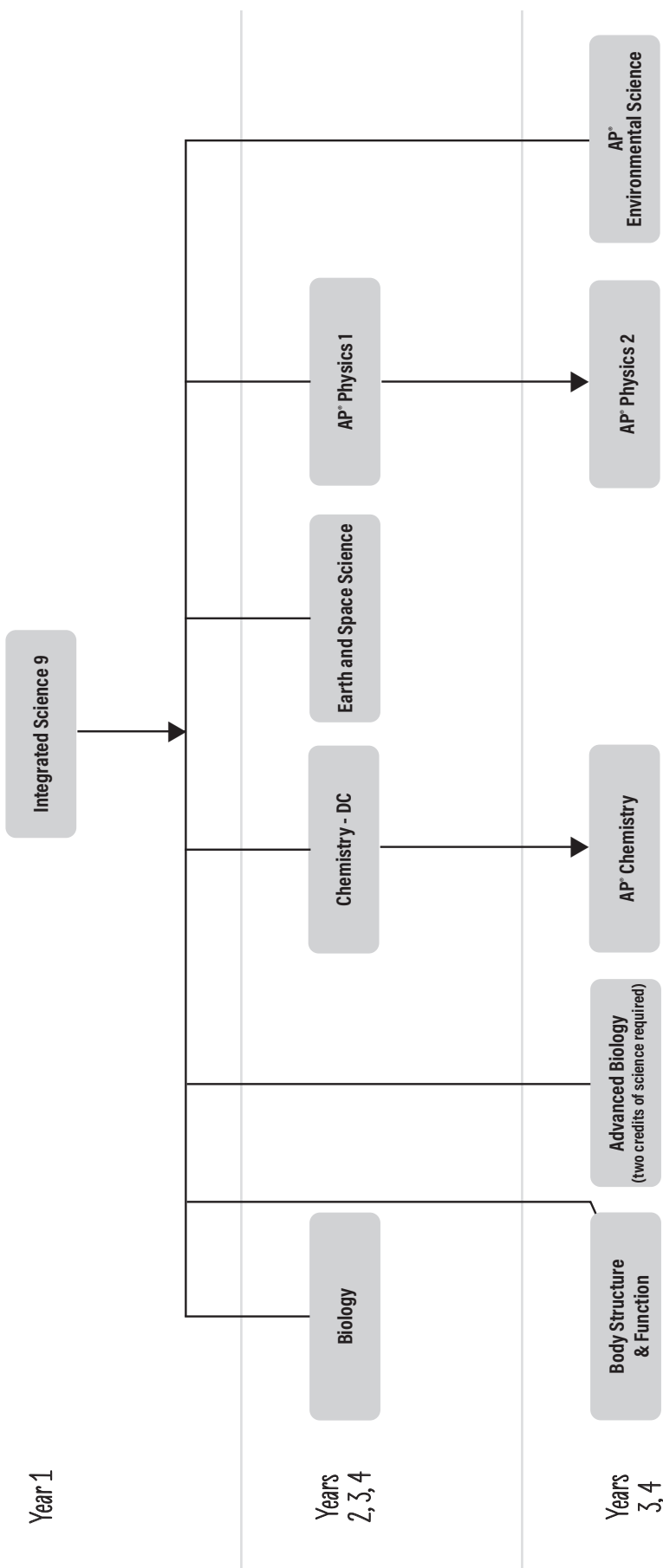
Body Structure and Function is a year long course in the concepts of general anatomy and physiology. Students will be introduced to the structures and functions of human anatomy using a body systems approach.

This course is strongly recommended for anyone planning to enroll in college/university or technical school with a major/minor in any health science field. Health science related careers can involve diagnosing and treating injuries and disease, or planning and coordinating those treatments for people in need. In addition to gaining an understanding of the human body, students will also have an opportunity to receive three college credits through NTC.

**Supply List:** Notebook, folder, three-ring binder, colored pencils, highlighters, A & P coloring workbook

###

# SCIENCE FLOW CHART





# SOCIAL STUDIES

## Curriculum Instructors:

**KELLY BAUMAN** // BS - University of Wisconsin-Madison // MLIS - University of Southern Mississippi

**ANDREW DERCKS** // BS - University of Wisconsin-Eau Claire // MS - Marion University

**AMANDA HOPPE-MEYER** // BS - University of Wisconsin-Stevens Point // MS - University of Wisconsin-Stevens Point

**KATHERINE McROBERTS** // BS - University of Wisconsin-River Falls

**BETHANY SCHAEFER** // BA - University of Wisconsin-Madison // MS - University of Wisconsin-Stevens Point

## REQUIRED FOR GRADUATION:

3.5 credits of social studies including  
222 Social Studies Survey - 223 U.S. History 9  
224 World History - 232 Modern U.S. History\* - 234 Government

*\*Class may be bypassed if a student takes and passes  
236-237 AP® U.S. History as a junior or senior.*

### 222 SOCIAL STUDIES SURVEY (REQUIRED)

**Grade:** 9

**Prerequisite:** None

**Credit:** .50

**Length:** Semester

Social Studies Survey is a required course that serves as an introduction to the core areas of Social Studies: Geography, History, Political Science, Economics, and Behavioral Science. Each discipline will be studied from an American and global perspective. This course will focus on the development of critical skills across the disciplines. There will be an emphasis on: inquiry, civic engagement, literacy, graph and chart analysis, map skills, primary/secondary sources, and research preparation.

###

### 223 U.S. HISTORY 9 (REQUIRED)

**Grade:** 9

**Prerequisite:** None

**Credit:** .50

**Length:** Semester

U.S. History 9 gives students a basic understanding of the origin and development of the United States from the Louisiana Purchase through the end of the 19th Century. The students will analyze the importance of events and documents in this course. The course concentrates on westward expansion, the Civil War, Reconstruction, the Frontier, and Industrialization.

###

### 224 WORLD HISTORY (REQUIRED)

**Grade:** 10 / 11 / 12

**Prerequisite:** None

**Credit:** .50

**Length:** Semester

This required course examines various events in history that occurred between 1500-1950 and have contributed to today's global community. Aspects of geography, government, economics, and sociology will be addressed along with the history component. Units of study may include: revolution, the search for better government, progress and change, conflict and peace, and power.

###

### 232 MODERN U.S. HISTORY (REQUIRED\*)

*\*May be bypassed if a student takes and passes  
AP® U.S. History as a junior or senior.*

**Grade:** 10

**Prerequisite:** None

**Credit:** .50

**Length:** Semester

Modern U.S. History examines the political, economic, social and constitutional issues of the United States during the 20th and beginning of the 21st centuries. This required social studies course will start with the time period of the Industrial Revolution and continue through to the Modern Era. Topics will include: the Industrial Revolution, Immigration, Imperialism, the Great Depression, the Cold War, the Civil Rights Movement, and the Modern Era.

###

## 234 GOVERNMENT (REQUIRED)

**Grade:** 11 / 12 *or* Grade 10 with consent of instructor

**Prerequisite:** None

**Credit:** .50

**Length:** Semester

This one semester course gives a broad overview of modern forms of government present in today's global community. It provides the student an opportunity to acquire detailed knowledge of the democratic form of government practiced in the United States. The overall objective of this course is to prepare students for their place in society by helping them learn how our government works, how it can be changed, and what rights and freedoms our Constitution guarantees us.

###

## 236-237 AP® U.S. HISTORY

**Grade:** 11 / 12

**Prerequisite:** "A" or "B" in all Social Studies and English courses *and* the recommendation of at least one Social Studies teacher.

**Credit:** 1.00

**Length:** Year

AP® U.S. History prepares students for the standardized AP® Examination given by the College Testing Board in the spring of each year. This is a national program which provides an opportunity to earn pre-college credit based on the score of that test. This course examines American History from exploration to the present. It is intended for college-bound students and the level of difficulty will match what is expected from a college history course. Students taking the AP® exam at the end of the year will be expected to pay the fee for the exam which is approximately \$80.00.

###

## 238 HISTORICAL MEDIA

**Grade:** 11 / 12

**Credit:** .50

**Length:** Semester

This elective course will examine and analyze a variety of media with the focus on determining how history has been presented. We will be looking at film, television, magazines, music, and advertising from both the past and the present to explore historical trends and cultural experiences. Additional focus will be given to determining historical accuracy, meaning, motive, bias, and delivery of media to consumers.

###



## 250-251 INTRODUCTION TO DIVERSITY STUDIES - DC

**Grade:** 11 / 12

**Prerequisite:** None

**Credit:** 1.0

**Length:** Year

Introduces learners to the study of diversity from a local to a global environment using a holistic, interdisciplinary approach. Encourages self-exploration and prepares the learner to work in a diverse environment. In addition to an analysis of majority/minority relationships in a multicultural context, the primary topics of race, ethnicity, age, gender, class, sexual orientation, disability and religion are explored.

###

## 252 GLOBAL CONFLICT

**Grade:** 11 / 12

**Prerequisite:** None

**Credit:** .50

**Length:** Semester

Global Conflict will focus on informing students of both historic and current conflicts that shape our global community. Students will gain knowledge of world cultures and develop an understanding of the historic, geographic, economic, political, cultural, and environmental relationships among world regions and peoples. It will encourage the development of international understanding, tolerance, and empathy.

###

## 253 ENVIRONMENTAL HISTORY

**Grade:** 11 / 12

**Prerequisite:** None

**Credit:** .50

**Length:** Semester

Human activity has been influenced by the availability of natural resources throughout history. This course will explore the interactions between humans and the natural environment from European Exploration to the present. Topics will include, but are not limited to: uses and ideas of nature, ecological change and its impact on human actions, conservation, preservation, public policy, and issue analysis.

###

## 261 ECONOMICS

**Grade:** 11 / 12

**Prerequisite:** None

**Credit:** .50

**Length:** Semester

Economics is the study of the American economic system. The course will deal with the economic principles of macroeconomics and microeconomics and will also offer students the opportunity to learn how economics can be applied to various aspects of their lives. Units of study may include: supply and demand, market structure, the health of the economy, and the financial industry.

###



## 262-263 INTRODUCTION TO SOCIOLOGY - DC

**Grade:** 11 / 12

**Prerequisite:** None

**Credit:** 1.00

**Length:** Year

Introduces students to the basic concepts of sociology: culture, socialization, social stratification, multi-culturalism and the five institutions, including family, government, economics, religion, and education. Other topics include demography, deviance, technology, environment, social issues, social change, social organization, and workplace issues. This course is offered as a semester dual credit course in conjunction with Northcentral Technical College, and requires that students complete the course with a B or better for both college and high school credit; any passing grade lower than a B- will still receive Mosinee High School credit. This course is also accepted by most University of Wisconsin Schools as a general degree requirement.

###

## 265 CURRENT ISSUES IN PSYCHOLOGY

**Grade:** 11 / 12

**Prerequisite:** None

**Credit:** .50

**Length:** Semester

Psychology is the study of mental processes and behavior. The objective of this course is for students to develop an appreciation of how psychology, as a scientific discipline, tries to understand people and the factors that influence how they feel, think, and behave. Students will use psychological perspectives, methods, and inquiry principles to do in-depth exploration of current social issues.

Topics may include: Foundations of Psychology, Abnormal Behavior & Disorders, Mental Health & Wellness, Sports & Exercise, Crime & Justice, Media, Addiction, and Inquiry-based Research. These are subject to change based on current events or student interest.

###



## 266-267 INTRO. TO PSYCHOLOGY - DC

**Grade:** 11 / 12

**Prerequisite:** None

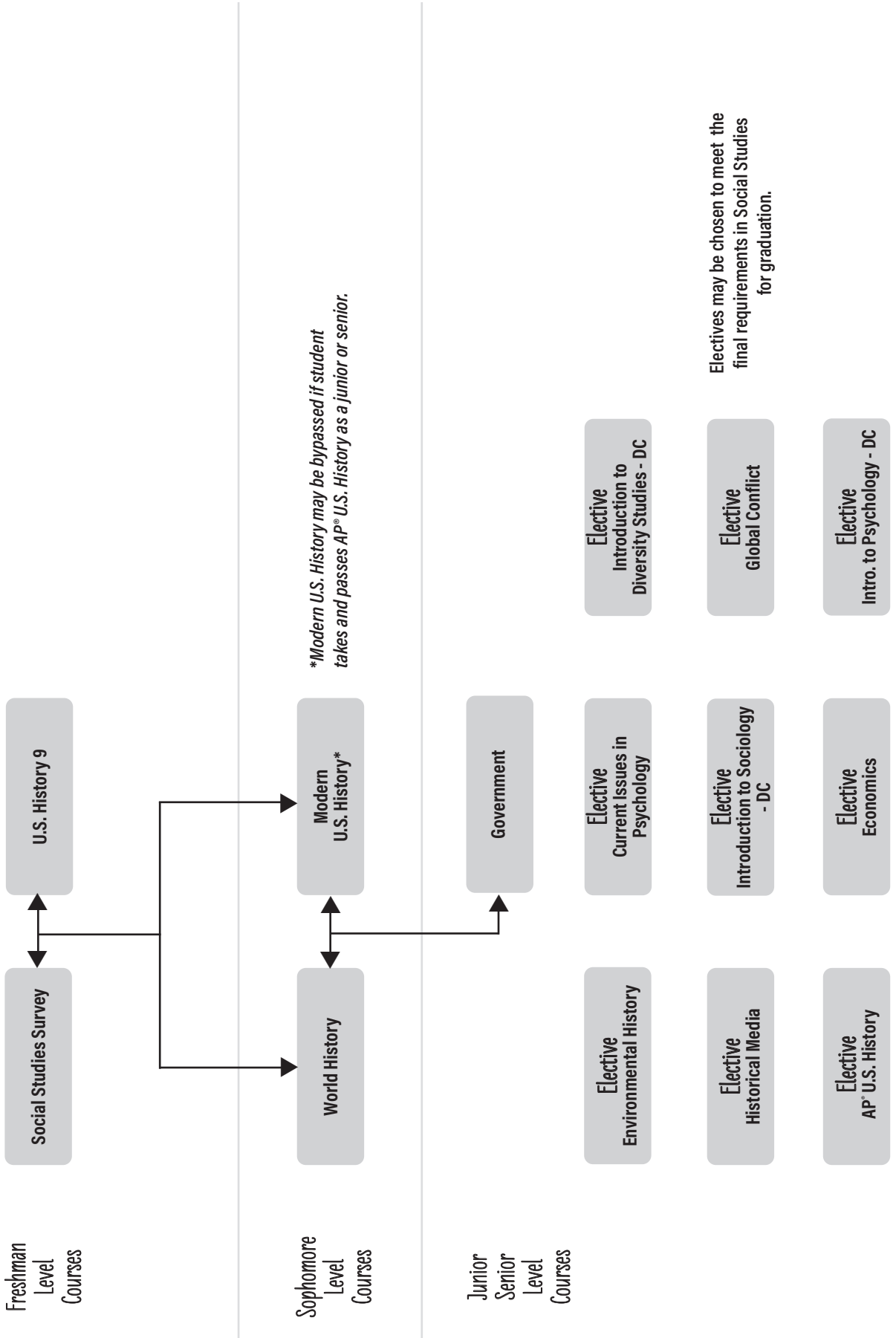
**Credit:** 1.00

**Length:** Year

This is a one year course in Psychology which follows the curriculum as set up by Northcentral Technical College and is part of their Dual Credit program. This course is transferable to all University of Wisconsin schools, and also any school in the Technical College System in Wisconsin. The course involves an introduction to Psychology as a survey course to the multiple aspects of human behavior. It involves a survey of the theoretical foundations of human functioning in such areas as learning, motivation, emotions, personality, deviance and pathology, physiological factors and social influences. The course also provides an understanding of human behavior research and the ethical considerations that go along with this type of research. The class directs the student to an insightful understanding of the complexities of human relationships in personal, social, and vocational settings.

###

# SOCIAL STUDIES FLOW CHART



# TRANSPORTATION

## 945 TRAFFIC SAFETY (DRIVER EDUCATION)

**Grade:** 9 / 10 / 11 / 12

**Credit:** None

**Length:** 10 Weeks

**Fee:** Directly through Crabbman's Driver Education, LLC

Units include: Basic car controls and gauges, signals, signs, pavement marking and traffic laws, basic car maneuvers, identifying hazards and dealing with them, the driver's physical condition, how emotions affect driving with special emphasis on the effects of alcohol and other drugs on the driver, and the importance of using safety belts. Needed by anyone under age 18 who wishes to get a driver's license. Students are scheduled randomly into both semesters and will be placed in study hall or released through junior/senior privileges when the instruction is completed.

###



## 946 AVIATION ONLINE PRIVATE PILOT PREP

**Grade:** 11 / 12

**Prerequisite:** None

**Credit:** .50

**Length:** Semester

**Fee:** \$50

Do you have a love for flying or airplanes and electronics in general? This course provides a place to start down the track in the Aviation and/or Transportation industry. Pilot demand is at an all time high. Aircraft Electronic Technicians and Airplane Maintenance Technicians or Mechanics are needed in the Aviation/Transportation industry.

Mosinee School District offers an Online Aviation Private Pilot Prep class to help you start your journey of becoming a pilot. Students will utilize the curriculum provided by Gleim Aviation Online Pilot Prep School which is the same as used at Fox Valley Technical College (FVTC) and other universities. This is a **self-directed** study course designated to prepare you to pass the FAA knowledge tests. The course uses sophisticated Knowledge Transfer Systems to ensure that you master all of the information you will need to be a competent, safe pilot and to pass

your knowledge test with confidence.

- The Gleim kit provides learners with a step-by-step lesson plan to complete the online course at your own pace within the semester. At the end of the semester, you will take an online FAA Test Prep exam. Present the certificate of completion to MHS Class Coordinator for proof to earn credit for the class.
- Along with MHS staff, students will receive support from outside aviation professionals; including retired United pilot, Mr. Steve Ellis and Duffy's Aircraft Sales at the Marshfield Airport.

**\*\*The remaining steps are NOT part of the course, but are needed to start flying an airplane.\*\***

Once you are finished with the class, you may choose to continue the progression of becoming a pilot. Recommended steps in this order will assist you in your journey. Mr. Ellis is available to help you with these steps.

- Take the FAA test at Duffy's Aircraft Sales at the Marshfield Airport. Cost @ \$175.
  - You can take the FAA test once you pass the Gleim online Private Pilot FAA Test Prep exam. A printed copy of your certificate showing successful completion of the Aviation Private Pilot class is required when registering for the FAA Test and Flight Lessons. If you are unable to present a copy of your certificate upon arrival for your FAA Test, you will NOT be able to sit for the test.
  - There are three parts to the test: 1. Written 2. Oral Review (flight prep & review) 3. Fly Test
- Take a flight physical to obtain at least a current third-class FAA medical certificate. Cost is approximately \$100.
- Once the student passes the FAA test and the physical, they should contact Steve Ellis at Central Wisconsin Aviation in Mosinee. This is where students will start flight training.
- Flight training will cost students approximately \$8,500. Students will need around 40-50 hours of training at a cost of @ \$135 per hour for the plane and gas. In addition to the hourly rate for the instructor @ \$45. Actual cost may vary depending on the pilot. Rates of the Aircraft and rate of the Instructor are subject to change without notice.
- Once the flight training is finished with Mr. Ellis, students will earn their private pilot license.

###

# TRANSPORTATION FLOW CHART

Freshman  
Sophomore  
Junior  
Senior  
Level  
Courses

Traffic Safety

Sophomore  
Junior  
Senior  
Level  
Courses

Junior  
Senior  
Level  
Courses

Aviation Online Private  
Pilot Prep

# WORLD LANGUAGES

## Curriculum Instructors:

**MICHELLE DE LEÓN** // BS - University of Wisconsin-Stevens Point // MA - St. Mary's University

**SARA ZASTROW** // BA - University of Wisconsin-Stevens Point // MS - Western Governors University

### 550-551 SPANISH I

**Grade:** 9 / 10 / 11 / 12

**Prerequisite:** None

**Credit:** 1.00

**Length:** Year

Spanish 1 introduces students to the basic sounds, vocabulary, grammar and cultural aspects of the Spanish-speaking world. The course emphasizes listening, reading, writing, and speaking skills, with a special emphasis upon understanding and speaking Spanish in everyday situations, as well as learning about cultural similarities and differences. Students will develop language skills through participation, written and speaking practice, listening activities, skits, songs, games, projects and performance assessments.

**(Note: Students who successfully took middle school Spanish 6/7/8 may be prepared to enroll in Spanish 2. The middle school instructor's signature is required to enroll in Spanish 2. Otherwise students may take Spanish I at the high school level for a thorough review of concepts before taking Spanish 2.)**

###

### 560-561 SPANISH 2

**Grade:** 9 / 10 / 11 / 12

**Prerequisite:** Spanish 1

**Credit:** 1.00

**Length:** Year

Spanish 2 continues to emphasize listening, reading, writing, and speaking skills along with a focus on cultural similarities and differences of various Spanish speaking countries. Students will read longer passages and will create short skits and presentations to further practice their speaking skills. Students will also learn to communicate in the past tense as well as fine tune their ability to communicate in the present tense. Students will also expand their vocabulary within various thematic areas including household and chore vocabulary, pastimes, weather, food, shopping and daily routines.

###

### 570-571 SPANISH 3

**Grade:** 10 / 11 / 12

**Prerequisite:** Spanish 2

**Credit:** 1.00

**Length:** Year

Spanish 3 takes students on a journey through more advanced speaking, listening, reading and writing. A variety of activities and readings will allow students to use and practice "real life" language skills. All main verbs will be explored and the various command forms will be introduced. Cultural studies may include cooking, songs, projects and performance assessments.

###

### 580-581 SPANISH 4

**Grade:** 11 / 12

**Prerequisite:** Spanish 3

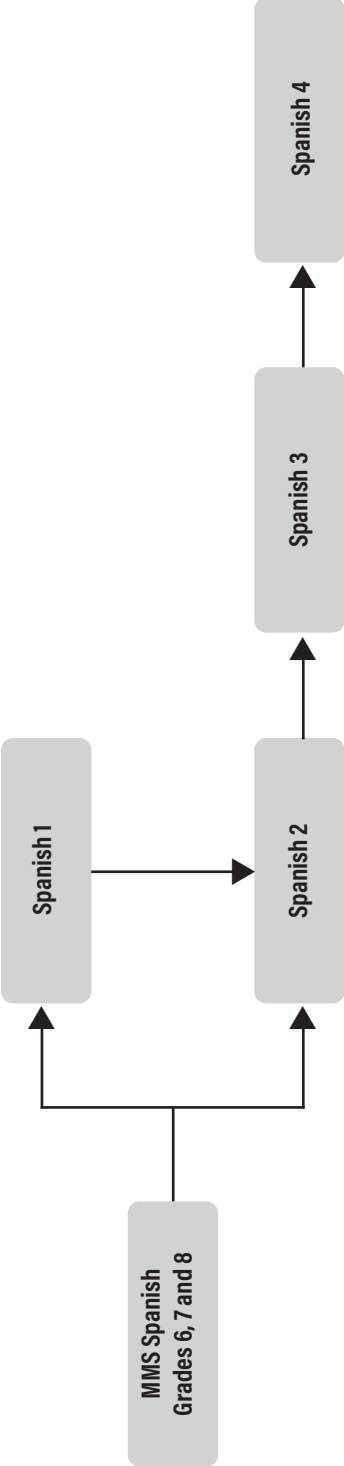
**Credit:** 1.00

**Length:** Year

Spanish 4 is an advanced level course that will increase student proficiency, giving students opportunities to prepare for college level study. We will build fluency and confidence in reading and writing abilities, as well as speaking and listening skills. The class will explore all verb tenses and other advanced grammar concepts. Students will complete reading and viewing activities, follow-up analysis, and discussion of the plot, characters, and themes of the varied media. Students will also expand their knowledge of Spanish culture in various class activities.

###

# WORLD LANGUAGES FLOW CHART





# GRADUATION CREDIT REQUIREMENTS

Mosinee High School requires 22.0 credits for graduation. ***It is the student's responsibility to complete all graduation requirements*** and to consult the Career Planning and Course Guide for specific requirements in each department. Counselors, teachers, and the school to career coordinator will assist students in planning their programs so that they meet the following graduation requirements of Mosinee High School. Mosinee High School graduation standards meet or exceed those established by the State of Wisconsin.

**English** ..... 4.0 credits

**The following are required to graduate:**

- English 9 .....1.0 credit
- English 10 .....1.0 credit
- English 11 or AP® English Language and Composition .....1.0 credit

**Social Studies** ..... 3.5 credits

**The following are required to graduate:**

- Grade 9 - Social Studies Survey ..... 0.5 credit
- Grade 9 - U.S. History 9 ..... 0.5 credit
- Grade 10 - World History ..... 0.5 credit
- Grade 10 - Modern U.S. History ..... 0.5 credit
- Grade 11 or 12 - Government ..... 0.5 credit

**Mathematics** ..... 3.0 credits

**Science** ..... 3.0 credits

**The following are required to graduate:**

- Integrated Science 9 ..... 1.0 credit

**Financial Literacy** ..... 0.5 credits

**Health & Wellness Education** ..... 2.0 credits

**The following are required to graduate:**

- Grade 9 - Health .....0.5 credit
- Wellness Education Electives .....1.5 credits

**Elective Courses** ..... 6.0 credits

**TOTAL** ..... 22.0 credits

**In addition, students must successfully complete the Mosinee High School Academic and Career Planning (ACP) program.** This includes collecting the required elements in their ACP Portfolio and participating in the ACP Exit Interview. The required elements are found on the checklist that is attached to the student's ACP Portfolio.

One-half credit, is earned for all one semester courses which meet for 90 single periods of instruction. One quarter credit is given for those courses meeting a minimum of 45 periods of instruction within a semester. School board policy requires that all students are required to take a minimum of six credits each year. Seniors graduating at midterm must take a minimum of three credits in the first semester of their senior year.

**WARNING:** By meeting these minimum graduation requirements without taking additional rigorous courses, you may be unprepared for future jobs, education, or military opportunities. Our recommendation is that each student attempt the most rigorous selection of courses, based on their future goals, that they can successfully manage.

# ACADEMIC & CAREER PLAN (ACP) PROGRAM

Mosinee High School has developed and implemented the Academic and Career Plan program. The purpose of ACP is to provide a comprehensive integrated approach to high school career education activities. Students collect pertinent data about themselves and their achievements which is eventually compiled into a Senior Exit Portfolio. The portfolio forms the basis of the Senior Exit Interview in which students present themselves and their achievements to a team of interviewers. The team of interviewers includes area business and educational professionals.

Presentation of the Exit Portfolio and participating in the Exit Interview will occur for most students during Careers In Action Day (CIA Day). **Completion of these two elements are graduation requirements as approved by the Mosinee Board of Education.**

## REQUIRED ELEMENTS OF ACP SENIOR PORTFOLIO

The items below **MUST** be included in your Senior Portfolio:

### Introduction to Student:

- Resume
- Letter of Recommendation
- Career Experience/Plan
- Final Reflection Paper

### Student Achievement Elements: (Minimum Requirements)

Four (4) student choice curricular samples from any curricular area:

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

Two (2) student choice outside samples from extra-curricular activities or activities outside of school:

- \_\_\_\_\_
- \_\_\_\_\_

# TENTATIVE FOUR-YEAR PLAN WORKSHEET

A four-year plan is a tool to help students make decisions about their course selections.

## FRESHMAN

### TERM ONE

| COURSE # | COURSE NAME              |
|----------|--------------------------|
| 110      | English 9                |
| 222      | Social Studies Survey    |
| 315      | Integrated Science 9     |
|          | (Wellness Course)        |
|          | (Math Course)            |
|          | (Elective)               |
|          | (Elective)               |
|          | (Elective or Study Hall) |

### TERM TWO

| COURSE # | COURSE NAME              |
|----------|--------------------------|
| 111      | English 9                |
| 233      | U.S. History 9           |
| 316      | Integrated Science 9     |
| 900      | Health                   |
|          | (Math Course)            |
|          | (Elective)               |
|          | (Elective)               |
|          | (Elective or Study Hall) |

## SOPHOMORE

### TERM ONE

| COURSE # | COURSE NAME  |
|----------|--|
| 120      | English 10   |
| 232      | Modern U.S. History<br><small>(not required if taking AP<sup>®</sup> U.S. History)</small> |
|          | (Science Course)   |
|          | (Math Course)  |
|          | (Wellness Course)  |
|          | (Elective)   |
|          | (Elective)   |
|          | (Elective or Study Hall)   |

### TERM TWO

| COURSE # | COURSE NAME              |
|----------|--------------------------|
| 121      | English 10               |
| 224      | World History            |
|          | (Science Course)         |
|          | (Math Course)            |
|          | (Elective)               |
|          | (Elective)               |
|          | (Elective)               |
|          | (Elective or Study Hall) |

# JUNIOR

## TERM ONE

| COURSE # | COURSE NAME   |
|----------|---|
| 130      | English 11 -OR-<br>AP <sup>®</sup> English Language & Composition |
| 234      | Government  |
|          | (Science Course)  |
|          | (Math Course)   |
|          | (Wellness Course)   |
|          | (Elective)  |
|          | (Elective)  |
|          | (Elective or Study Hall)  |

## TERM TWO

| COURSE # | COURSE NAME   |
|----------|---|
| 131      | English 11 -OR-<br>AP <sup>®</sup> English Language & Composition |
| 654      | Financial Literacy  |
|          | (Science Course)  |
|          | (Math Course)   |
|          | (Social Studies Course)   |
|          | (Elective)  |
|          | (Elective)  |
|          | (Elective or Study Hall)  |

# SENIOR

## TERM ONE

| COURSE # | COURSE NAME              |
|----------|--------------------------|
|          | (English Course)         |
|          | (Social Studies Course)  |
|          | (Elective)               |
|          | (Elective)               |
|          | (Elective)               |
|          | (Elective)               |
|          | (Elective)               |
|          | (Elective)               |
|          | (Elective or Study Hall) |

## TERM TWO

| COURSE # | COURSE NAME              |
|----------|--------------------------|
|          | (English Course)         |
|          | (Elective)               |
|          | (Elective)               |
|          | (Elective)               |
|          | (Elective)               |
|          | (Elective)               |
|          | (Elective)               |
|          | (Elective)               |
|          | (Elective or Study Hall) |

# REGISTRATION CALENDAR

## JANUARY 30 - FEBRUARY 9, 2024

Students should consult with their current teachers for suggested course recommendations for the upcoming year.



### CHECKLIST FOR PARENTS

*Check with your student(s) to see what courses were recommended by their teachers. If you have any questions regarding your student's course options, contact a high school counselor at 715-693-2550.*

###

## FEBRUARY 5, 2024 Course Registration Night

Students and parents meet with counselors and teachers to plan for next year's classes.



### CHECKLIST FOR PARENTS

*Look at your child's tentative schedule. Evaluate your son's/daughter's load to determine if he/she is taking enough classes or too many. The high school counseling department recommends students take seven (7) credits.*

###

## FEBRUARY 9, 2024 Registration Deadline

The **LAST DAY** students can complete and return Course Registration Sheets to Student Services.



### CHECKLIST FOR PARENTS

*Make sure your student has completed the Registration Form by the day of registration.*

###

## AUGUST 28, 2024 Open House 4:00-7:00 pm

###

## NON-REGISTERED STUDENTS

Transfer students who are not registered should call the high school office (715-693-2550, Ext. 3002) during the summer to schedule an appointment with the high school counselor August 12, 13 or 14.

# FEE SCHEDULE

|  |  |
|--|--|
| Advanced Art - Clay .....                | \$15.00  |
| Advanced Art - Drawing & Painting .....  | \$10.00  |
| Athletic User Fee .....                  | \$40.00/sport; \$160.00 maximum per family per year    |
| Aviation Online Private Pilot Prep ..... | \$50.00  |
| Band Instrument Rental .....             | \$50.00/semester; \$100.00/year                        |
| Band Uniform Rental .....                | \$20.00/year   |
| Basic Woodworking .....                  | \$55.00  |
| Body, Structure & Function .....         | \$35.00  |
| Choir Gown/Robe Rental .....             | \$15.00/year   |
| Class Dues .....                         | \$5.00/year OR \$15.00/four years                      |
| Clay 1 .....                             | \$15.00  |
| Clay 2 .....                             | \$15.00  |
| Chromebook Insurance (optional) .....    | \$20.00  |
| Design Principles .....                  | \$5.00 (plus the cost of materials)                    |
| Drawing & Painting 1 .....               | \$10.00  |
| Drawing & Painting 2 .....               | \$10.00  |
| Drivers Education .....                  | Fees directly through Crabbman's Driver Education, LLC |
| Careers with Kids .....                  | \$35.00 (CPR/First Aid)                                |
| Fashion Analysis .....                   | \$5.00 (plus the cost of materials)                    |
| Foods Labs .....                         | \$10.00 (to offset consumable costs of class)          |
| Foods 3 .....                            | \$40.00 (in addition to lab fee)                       |
| Food Science .....                       | \$10.00  |
| Interior Design .....                    | Cost of materials                                      |
| Introduction to Art .....                | \$10.00  |
| Introduction to FabLab .....             | \$25.00  |
| Introduction to Metalworking .....       | \$30.00  |
| Jewelry .....                            | \$10.00 (may increase based on material usage)         |
| Machine Tool .....                       | \$30.00  |
| Make Something Big .....                 | \$25.00  |
| Medical Terminology .....                | \$90.00 (subject to change)                            |
| Oral Interpersonal Communication .....   | \$25.00  |
| Parking Permit .....                     | \$10.00  |
| Personal Defense Class Fee .....         | \$50.00  |
| Uniform Purchase .....                   | \$25.00  |
| Uniform Rental .....                     | \$5.00   |

# FEE SCHEDULE (CONT.)

|   |   |
|---|---|
| Promotional Belt .....                      | \$10.00   |
| Replacement Badge .....                     | \$5.00  |
| Spectator Bus .....                         | \$5.00 (per trip)   |
| Solo/Ensemble Registration - District ..... | \$12.00 (solo); \$10.00 (duet); \$7.00 (trio/quartet); \$5.00 (large group) |
| Solo/Ensemble Registration - State .....    | \$18.00 (solo); \$13.00 (duet); \$9.00 (trio/quartet); \$6.00 (large group) |
| Swimming .....                              | \$63.00 (\$15 PE class fee, \$48 covers lifeguard materials/mask for CPR)   |
| Welding .....                               | \$30.00   |
| Work Permits .....                          | \$10.00   |
| Written Communications .....                | \$25.00   |

*Fee Schedule subject to change by the Board of Education.*

# START COLLEGE NOW / EARLY COLLEGE CREDIT PROGRAM

## Start College Now

Start College Now provides the opportunity for qualified high school juniors and seniors to take post-secondary (college courses) at a Wisconsin Technical College during the regular academic year. Students do not pay for these classes if the school board determines the classes are not comparable to classes offered by the high school. If approved by the school board, the student will receive both high school and post-secondary credit for successfully completed classes.

The Start College Now program is available to students in grades 11 and 12 who meet the following requirements:

- Have completed the 10th grade.
- Are in good academic standing and have no disciplinary/enrollment issues.

## Early College Credit Program

Students, grades 9-12, are eligible to take courses during the fall, spring or summer semesters to earn college credit through the Early College Credit Program (ECCP).

To be considered for ECCP, students in 9th grade must have taken Algebra I in middle school and provide a recommendation letter from a school official. Students in grades 10-12 must have a 2.0 GPA or better in high school. All students must display a level of responsibility and maturity needed to succeed in a college-level course. If approved by the school board, the student can receive both high school and college credit or just college credit upon successful completion of the course.

College courses taken by high school students become part of the permanent University record and may affect subsequent admission to post-secondary institutions. Please be aware that a poor grade earned in an Early College Credit Program course could have a negative impact on a future admissions decision for a student.

## How to Apply...

For **both** of these programs, students must apply to the school board by **February 1** for the summer, **March 1** for the fall semester and **October 1** for the spring semester.



# SCHOOL TO CAREER

Mosinee High School's School to Career program consists of two elements, career exploration and work-based learning programs.

Career Exploration includes various activities all students participate in to help them in their career decision-making process. The focal point for all of these activities will be the student's resource folder. Each student will be given a resource folder at the beginning of their freshman year. Career related activities will occur during homerooms throughout the school year. These activities and supplements will provide the foundation for the student's senior portfolio. Weekly, the student will present his/her senior portfolio as part of the Academic and Career Plan (ACP) requirement for graduation.

Mosinee High School offers many opportunities for students through work-based learning programs. Work-based learning programs are one or two year programs where students learn specific skills in an occupational area of interest. These skills are acquired through hands-on experiences at a participating business and reinforced through course work at the high school. Students will receive a Certificate of Occupational Proficiency from the State of Wisconsin upon successful completion of the program.

# DUAL CREDIT OPPORTUNITIES

Through an agreement between Mosinee High School and colleges and universities in Wisconsin, a student may receive Dual Credit (DC) as well as high school credit for specific MHS courses based on meeting certain requirements and competencies set out by the college. Dual Credit means that the grade received in the course is the grade identified on the Technical College or University Official Transcript and will be counted as part of the student's college GPA.

## Current DC agreements with Northcentral (NTC) include:

| MHS COURSE                        | COURSE #/TITLE  | CREDIT    | PAGE |
|-----------------------------------|---|-----------|------|
| Agriculture 3                     | 10091104 Introduction to Animal/Dairy Science         | 3 credits | 39   |
| Agriculture 4                     | 10093102 Introduction to Soils                        | 2 credits | 40   |
| Accounting 1                      | 10101111 Accounting I                                 | 4 credits | 43   |
| Accounting 2                      | 10101113 Accounting II                                | 4 credits | 43   |
| Financial Literacy                | 10809101 Cents and Sensibility                        | 1 credit  | 44   |
| Marketing Principles              | 10104172 Marketing Principles                         | 3 credits | 44   |
| Written Communication             | 10801195 Written Communication                        | 3 credits | 48   |
| Oral Interpersonal Communication  | 10801196 Oral Interpersonal Communication             | 3 credits | 49   |
| Foods 3: ServSafe & Nutrition     | 10316107 Nutrition                                    | 2 credits | 51   |
|                                   | 10316100 Sanitation and Safety                        | 2 credits |      |
| Child Development                 | 10307179 ECE: Child Development                       | 3 credits | 53   |
| Careers with Kids                 | 10307148 Foundations of Early Childhood Education     | 3 credits | 55   |
| Health Occupations                | 10501190 Introduction to Health Careers               | 1 credit  | 63   |
| Introduction to Teaching          | 10522103 Introduction to Education Practices          | 3 credits | 55   |
| Medical Terminology               | 10501101 Medical Terminology                          | 3 credits | 64   |
| Multimedia Design Pro             | 10204126 Photoshop Image Manipulations                | 2 credits | 69   |
|                                   | 10204121 Introduction to Graphics Software and Design | 2 credits |      |
| Multimedia Design Communications  | 10204112 Introduction to Printing                     | 2 credits | 69   |
|                                   | 10204123 Computer Page Layout                         | 2 credits |      |
| Digital Photography               | 10204135 Basic Digital Photo                          | 3 credits | 69   |
| Welding                           | 10442101 Introduction to Welding                      | 2 credits | 70   |
| Machine Tool                      | 10420101 Intro to Machine Shop                        | 2 credits | 70   |
| Algebra 2                         | 10804118 Intermediate Algebra with Applications       | 4 credits | 75   |
| AP® Precalculus                   | 10804196 Trigonometry with Applications               | 3 credits | 76   |
| AP® Calculus AB                   | 10804198 Calculus 1                                   | 4 credits | 76   |
| Chemistry                         | 10806134 General Chemistry                            | 4 credits | 82   |
| Body, Structure and Function      | 10806110 Body, Structure and Function                 | 3 credits | 83   |
| Introduction to Diversity Studies | 10809172 Introduction to Diversity Studies            | 3 credits | 86   |
| Introduction to Sociology         | 10809196 Introduction to Sociology                    | 3 credits | 87   |
| Introduction to Psychology        | 10809198 Introduction to Psychology                   | 3 credits | 87   |



Current DC agreements through **Fox Valley** include:

**TECHNICAL COLLEGE**  
*Knowledge That Works*

| <b>MHS COURSE</b>      | <b>COURSE #/TITLE</b>          | <b>CREDIT</b> | <b>PAGE</b> |
|------------------------|--------------------------------|---------------|-------------|
| Basic Interior Design  | 10304125 Basic Interior Design | 3 credits     | 53          |
| Aviation Ground School | 10402101 Pilot Ground          | 3 credits     | 89          |
|                        | 10402100 Pilot Flight          | 2 credits     |             |

# EARLY GRADUATION GUIDELINES

It is possible for some students of Mosinee High School to complete their graduation requirements in less than eight semesters.

It is the hope of the administration and faculty that both parent and student give lengthy consideration before choosing to graduate early. Young people have an entire lifetime to work. To discontinue formal education early to find work can present problems for a 17 or 18 year old individual. The value of such a move at the expense of five additional months of education should be given serious thought.

Students who graduate at mid-term may also limit themselves in their course selection due to their absence from the second semester. They may also not be recognized for taking certain college preparatory classes if they take only one semester for a year-long class such as AP<sup>®</sup> Physics and Honors Biology. Most University of Wisconsin system admission counselors discourage early graduation.

## EARLY GRADUATION PROCEDURES & RECOMMENDATIONS

- Students must apply for early graduation between April 1 and April 30 of the year prior to graduation.
- To start the early graduation application process, the student must meet with their counselor. A parent-student-counselor conference is required by the school board before a final decision is made.
- Students who graduate early will not be eligible for the Start College Now or Early College Credit Program second semester.
- Students who fail required courses in their final semester must return for a full semester as a full-time student.
- Early graduates will need to complete all of the Academic and Career Plan (ACP) requirements prior to the end of the first semester.

# POST-HIGH SCHOOL PLANNING CALENDAR

## FRESHMEN - SENIOR

- Explore possible careers and post-secondary options with your parents and school counselor.
- Attend Wisconsin Education Fair held each fall.
- See your counselor to discuss your course selections in regard to your career and post-secondary goals.

## SOPHOMORES

- Take Pre-ACT.

## JUNIORS

- Take the PSAT and/or ASVAB Test in the fall and the ACT, and/or the SAT, or Accuplacer in the spring.
- Explore possible college majors and technical school programs with your parents and school counselor.
- Consult representatives of various colleges, universities, technical schools and military when they visit our school.
- Students and parent(s) attend a scheduled conference with a counselor late in first semester.
- Visit schools that are of interest to you. Most campuses have tours on weekdays and sometimes on Saturdays. Many campuses also schedule special preview days for visiting and meeting with academic advisers and representatives of the admissions, financial aides, housing and other student service offices. Contact the high school counselor or the admissions office to make arrangements for your visit.
- Make sure you are taking the courses which will make you admissible to the school of your choice.
- Apply for some Technical College programs in June of junior year.
- Attend Start College Now / Early College Credit Program meeting with school counselor, if interested in taking college courses.

## SENIORS

### Summer

- Attend College Application Bootcamp in early August

### Fall

- Early September is when most UW System campuses start accepting applications for admission for fall of the following year. Applications are available on-line. It is important to apply for admission and housing early since many campuses fill up early. For more specific information, contact the high school counselor.
- Begin scholarship search and application process.
- Do a final credit check to insure that you have the correct courses to graduate and to meet your post-secondary entrance requirements.
- Financial aid application begins October 1 of your senior year in high school. Application is done on-line at fasfa.gov
- Attend a College Goal Wisconsin event for assistance with financial aid.

### Winter

- Check on available scholarships in the Student Services office.

### Spring

- If you no longer plan to attend a school you have been accepted to, notify that school of your decision.
- Apply for local scholarships. Local scholarship information will be available on our website in late February; completed applications must be returned to the Student Services office by the date specified.

### Summer

- Orientation, registration and placement testing programs are held at most campuses. Be sure to send in registration cards for these sessions or contact campuses to make other arrangements.
- From late May into July, financial aid award notices will go to students who applied on time. Be sure to respond by the deadline specified.

# UNIVERSITY, TECHNICAL COLLEGE, APPRENTICESHIP & MILITARY ENTRANCE REQUIREMENTS

The majority of our graduates will attend post-high school institutions, a state university, a technical college, an apprenticeship training program or a Wisconsin private college. The entrance requirements for each of these types of institutions are summarized below.

## UNIVERSITY OF WISCONSIN SYSTEM

### Preparing for College

Admission to many four-year colleges/universities is competitive, thus making high school course selection very important. The course requirements listed on the following pages are minimum entrance requirements. Many schools and majors require more than what is listed. For example, you will not be admitted to the University of Wisconsin-Madison with minimum requirements. The rigor of the program for the senior year is looked at very closely when determining who will be accepted at UW-Madison and other selective schools. Therefore, the idea of taking a light load during your senior year is not wise. Also, early graduation will not be in your best interest. To keep your options open and to help you be successful while in college, a rigorous academic program is essential. The Student Services Department recommends you take all the college preparatory math, science, English, social studies and foreign language you can handle.

### Application Process

September is the time the state universities begin to accept applications. At most universities, housing applications are welcome as soon as a student is accepted for admission. It is important to apply for housing at the earliest possible date since space is limited. Please consult the university catalog pertaining to a specific school. Applications and catalogs are available on-line.

### Entrance Requirements

Entrance requirements vary somewhat among the various schools. The following are basic requirements established by the UW-Board of Regents. Consult the UW Helpline at 1-800-442-6459 or [www.uwhelp.wi.edu](http://www.uwhelp.wi.edu), the appropriate campus Office of Admissions or a high school counselor regarding content of courses within the units specified and additional credits required.

#### A. Entrance Test

The University of Wisconsin System - ACT/SAT scores are currently not required. These scores are optional to send in. For out of state colleges and private colleges, please check with the specific college to see if an entrance test is required.

#### B. High School Class Rank Requirements

Within the UW system, the minimum class rank requirement varies significantly. For more specific information on the class rank requirements for each individual school, refer to the Introduction to the University of Wisconsin System pamphlet available in the Student Services office, the Helpline, or your high school counselor.

#### C. Courses Taken In High School

Use the attached worksheet to help you select the courses you will need in high school to meet minimum UW entrance requirements. The rigor of your high school coursework is extremely important, especially your senior year.

#### D. Other Important Factors

The UW-System schools use a holistic approach to admissions in order to obtain a more diverse student body. Factors to be considered are: life experiences, special talents, volunteer experience, employment history, ethnic origin, economic background, community involvement, and other activities.

# MINIMUM UW ADMISSION REQUIREMENTS WORKSHEET

## Thirteen Core Course Credits Required

Mosinee High School courses that have a high probability of meeting the University entrance requirements include: 13 core college preparatory credits in English, social studies, mathematics and natural science.

Check those courses you plan to take or have taken at Mosinee High School.

### English - 4 credits

- English 9 - 1.0 credit
- English 10 - 1.0 credit
- English 11 or AP® English Language and Composition - 1.0 credit
- Oral Interpersonal Communication - .5 credit
- Different Voices - .5 credit
- Written Communication - .5 credit
- AP® English Literature - 1.0 credit

Select  
1.0 credit  
worth

### Mathematics - 3 credits

- Algebra - 1.0 credit
- Geometry - 1.0 credit
- Algebra 2 - 1.0 credit

### Social Studies - 3.5 credits

- Social Studies Survey - .5 credit
- U.S. History 9 - .5 credit
- Modern U.S. History - .5 credit
- World History - .5 credit
- Government - .5 credit
- Intro. to Diversity Studies - 1.0 credit
- Global Conflict - .5 credit
- AP® U.S. History - 1.0 credit
- Environmental History - .5 credit
- Economics - .5 credit
- Intro. to Sociology - 1.0 credit
- Current Issues in Psychology - .5 credit
- Introduction to Psychology - 1.0 credit

Select  
1.0 credit  
worth

### Natural Science - 3 credits

- Integrated Science 9 - 1.0 credit
- Biology - 1.0 credit
- Chemistry-DC - 1.0 credit
- Advanced Biology - 1.0 credit
- AP® Physics 1 - 1.0 credit
- AP® Physics 2 - 1.0 credit
- AP® Chemistry & AP® Chemistry Lab - 1.5 credits
- Earth and Space Science - 1.0 credit
- AP® Environmental Science - 1.0 credit
- Body Structure & Function-DC - 1.0 credit
- Agriculture 2 - 1.0 credit

Select  
2.0 credits  
worth

**TOTAL - 13 MINIMUM CORE COLLEGE PREPARATORY CREDIT REQUIREMENTS**

## Four Academic Electives Required

Students entering as college freshmen must also take four additional academic elective credits as follows: Specified elective college preparatory credits selected from English, mathematics, social science, natural science or foreign language, fine arts, computer science and other academic areas.

Check those courses you plan to take or have taken at Mosinee High School.

**\*\*\*NOTE: Do not count any course as an academic elective IF you counted it as part of the 13 core requirements.\*\*\***

### Mathematics

- Financial Algebra - 1.0 credit
- AP® Statistics - .5 credit
- AP® Precalculus - 1.0 credit
- AP® Calculus AB - 1.0 credit
- AP® Calculus BC - 1.0 credit

### Natural Science

- Chemistry-DC - 1.0 credit
- AP® Physics 1 - 1.0 credit
- AP® Physics 2 - 1.0 credit
- Biology - 1.0 credit
- Advanced Biology - 1.0 credit
- AP® Chemistry & AP® Chemistry Lab - 1.5 credits
- AP® Environmental Science - 1.0 credit
- Earth & Space Science - 1.0 credit
- Body Structure & Function-DC - 1.0 credit

### Social Science

- AP® U.S. History - 1.0 credit
- Intro. to Diversity Studies - 1.0 credit
- Global Conflict - .5 credit
- Economics - .5 credit
- Intro. to Sociology - 1.0 credit
- Current Issues in Psychology - .5 credit
- Environmental History - .5 credit
- Introduction to Psychology - 1.0 credit

### World Languages

- Spanish 1 - 1.0 credit
- Spanish 2 - 1.0 credit
- Spanish 3 - 1.0 credit
- Spanish 4 - 1.0 credit

**\*\*\*IMPORTANT\*\*\***

#### World Language Requirements

- UW-Madison is the **only** UW-school that requires 2.0 credits of a **single** foreign language for admission.
- At UW-Milwaukee, UW-Platteville and UW-Parkside, 2.0 credits of foreign language in high school fulfills college graduation requirements.

**TOTAL - 4 MINIMUM ACADEMIC ELECTIVE CREDIT REQUIREMENT**

**TOTAL CORE & ELECTIVE - 17 CREDITS**



## PRIVATE UNIVERSITIES AND OUT-OF-STATE SCHOOLS

Entrance requirements vary greatly from one school to another. The UW entrance requirements previously listed meet minimum requirements for most four year colleges. For more specific information, consult the college's website.

## WISCONSIN TECHNICAL COLLEGES

### Associate Degree Programs

If completing coursework full-time, this traditionally is a two-year program that combines technical skills with general studies such as math, science, communications, and social sciences.

### One-Year and Two-Year Technical Diploma Programs

Technical Diploma programs focus on hands-on learning of occupational skills and can take as little as one or two years to complete depending on the particular program.

### Certificate Programs

Certificates are designed to help students learn skills in short blocks of time. Certificate offerings range from one to 31 credits. Courses are offered in a variety of flexible scheduling options, including online, weekends, and evenings to allow students to complete the certificate in a manner that fits their busy lifestyle. Many certificates ladder into the associate degree and technical diploma programs, creating a seamless path for lifelong learning.

### Apprenticeship Programs

As an apprentice, students work under the supervision and direction of skilled workers in a chosen trade. Apprentices attend college part-time and are paid by their employers for their school hours. NTC offers training in numerous apprenticeship programs. For more information about these programs, consult the NTC catalog in the section on apprenticeship, [ntc.edu](http://ntc.edu) or the local trade union office of your choice.

## Admission

The Wisconsin Technical College system is committed to an "open door" policy, whereby all eligible persons are admitted, regardless of age (16 or over who have completed high school), sex, handicap, creed, race, color, national origin, ancestry, or other factors unrelated to satisfactory job performance. Admission to specific programs is contingent upon individual ability to meet minimum requirements and prerequisites.

Most programs have admission requirements. Applicants may be required to test. The ACT test or other appropriate means may be used in lieu of regular entrance testing.

For information pertaining to the specific programs available through the Wisconsin Technical College System and their requirements contact your high school counselor, refer to the catalog for each individual school or refer to the *Wisconsin Technical College System Guide Book* available in Student Services, or the Wisconsin Technical College website at [www.witechcolleges.com](http://www.witechcolleges.com).



### Northcentral (NTC) Admissions Procedure

Applications for admission are considered on a first-come, first-serve basis, according to the date a student meets all the admissions requirements. High school students are encouraged to make application at the end of their junior year. The health fields, criminal justice, and other programs fill up fast. No one will be admitted until they have completed the requirements for each specific program based on entrance exam scores. Therefore, it is important to complete the requirements as early as possible.

## MILITARY

### Military Enlisted Careers

People enter the military as either an enlistee or an officer. The military can offer a wide choice of career opportunities. The five services offer training and employment in over 2,000 enlisted job specialties, many of which have counterparts in the civilian world of work.

## Military Training

The military generally provides three kinds of training to its personnel:

- **Recruit Training** - Basic training is a rigorous orientation to the military. Recruit training lasts from eight to thirteen weeks and provides transition from civilian to military life.
- **Job Training** -Through job training, also called technical or skill training, recruits learn skills they will need to perform their job specialties. The type of job specialty determines length of training. Most training lasts from 10 to 20 weeks, although some specialties may require over one year of training. Military training occurs both in the classroom and on the job.
- **Continuing Education** - The services offer many programs to help enlisted men and women continue their education. For information on each occupation available in the military and helpful high schools courses to help prepare for this occupation, refer to the Military Career Guide available in the Student Services office or talk to a high school counselor or military recruiter.

## ROTC (Reserve Officer Training Corps) Program

ROTC is a college/military program that enables college students to graduate with a degree in their chosen major, receive officers' commissions, and receive excellent scholarship benefits. An active duty military obligation follows graduation.

# MHS 2024-25 COURSE LISTING

## AGRICULTURE

|             |                                 | GRADE      | PG. |
|-------------|---------------------------------|------------|-----|
| ___ 770     | Agriculture 1.....              | 9/10/11/12 | 39  |
| ___ 771-772 | Agriculture 2 <b>(DC)</b> ..... | 10/11/12   | 39  |
| ___ 773     | Agriculture 3 <b>(DC)</b> ..... | 11/12      | 39  |
| ___ 775     | Ag. Res. Mgmt. & Conserv.....   | 10/11/12   | 39  |
| ___ 776     | Domestic Animal Care.....       | 11/12      | 40  |
| ___ 777     | Ag. Power & Technology.....     | 11/12      | 40  |
| ___ 778     | Agriculture 4.....              | 11/12      | 40  |

###

## BUSINESS & MARKETING EDUCATION

|             |  | GRADE      | PG. |
|-------------|--|------------|-----|
| ___ 600     | REAL Keyboarding.....                  | 9/10/11/12 | 43  |
| ___ 633-634 | Accounting 1 <b>(DC)</b> .....         | 10/11/12   | 43  |
| ___ 635-636 | Accounting 2 <b>(DC)</b> .....         | 11/12      | 43  |
| ___ 637     | Intro. to Business.....                | 9/10/11/12 | 43  |
| ___ 652-653 | Marketing Principles <b>(DC)</b> ..... | 10/11/12   | 44  |
| ___ 654     | Financial Literacy <b>(DC)</b> .....   | 11/12      | 44  |

###

## ENGLISH

|             |                                      | GRADE  | PG. |
|-------------|--------------------------------------|--------|-----|
| ___ 110-111 | English 9.....                       | 9      | 47  |
| ___ 120-121 | English 10.....                      | 10     | 47  |
| ___ 130-131 | English 11.....                      | 11     | 47  |
| ___ 156-157 | AP® English Lang./Comp.....          | 11     | 48  |
| ___ 158-159 | AP® English Lit./Comp.....           | 12     | 48  |
| ___ 163     | Different Voices.....                | 11*/12 | 48  |
| ___ 170     | Written Comm. <b>(DC)</b> .....      | 12     | 48  |
| ___ 171     | Introduction to Film.....            | 11*/12 | 49  |
| ___ 179     | Oral Interp. Comm. <b>(DC)</b> ..... | 11*/12 | 49  |

###

## FAMILY & CONSUMER EDUCATION

|             |   | GRADE      | PG. |
|-------------|---|------------|-----|
| ___ 750     | Foods 1.....                            | 9/10/11/12 | 51  |
| ___ 751     | Foods 2.....                            | 10/11/12   | 51  |
| ___ 752-753 | Foods 3 <b>(DC)</b> .....               | 11/12      | 51  |
| ___ 754     | Food Science.....                       | 10/11/12   | 52  |
| ___ 760     | Design Principles.....                  | 9/10/11/12 | 52  |
| ___ 761     | Fashion Analysis.....                   | 10/11/12   | 52  |
| ___ 762     | Crafts & Sewing Ind. Study.....         | 11/12      | 52  |
| ___ 763     | Basic Interior Design <b>(DC)</b> ..... | 11/12      | 53  |
| ___ 758     | Child Development <b>(DC)</b> .....     | 11/12      | 53  |

###

## EDUCATION & TRAINING

|         |                                      | GRADE | PG. |
|---------|--------------------------------------|-------|-----|
| ___ 759 | Careers with Kids <b>(DC)</b> .....  | 11/12 | 55  |
| ___ 765 | Intro. to Teaching <b>(DC)</b> ..... | 11/12 | 55  |

###

## FINE ARTS

|             |                                    | GRADE       | PG. |
|-------------|------------------------------------|-------------|-----|
| ___ 800-801 | Concert Choir.....                 | 11*/12*     | 57  |
| ___ 802-803 | Varsity Singers.....               | 9/10/11/12  | 57  |
| ___ 804-805 | Treble Choir.....                  | 9           | 57  |
| ___ 806-807 | Cantabile.....                     | 10/11/12    | 58  |
| ___ 808-809 | Symphonic Band.....                | 9/10/11/12  | 58  |
| ___ 812     | Introduction to Band.....          | 9/10/11/12  | 58  |
| ___ 814-815 | Ensembles.....                     | 10*/11*/12* | 59  |
| ___ 820     | Introduction to Art.....           | 9/10/11/12  | 59  |
| ___ 821     | Drawing & Painting 1.....          | 9/10/11/12  | 59  |
| ___ 822     | Drawing & Painting 2.....          | 10/11/12    | 59  |
| ___ 823     | Clay 1.....                        | 9/10/11/12  | 59  |
| ___ 824     | Clay 2.....                        | 10/11/12    | 59  |
| ___ 825     | Jewelry.....                       | 9/10/11/12  | 60  |
| ___ 828     | Advanced Art - Clay.....           | 10/11/12    | 60  |
| ___ 829     | Adv. Art - Drawing & Painting..... | 10/11/12    | 60  |
| ___ 830-831 | AP® Studio Art.....                | 11/12       | 60  |

###

## HEALTH & WELLNESS EDUCATION

|         |                                       | GRADE       | PG. |
|---------|---------------------------------------|-------------|-----|
| ___ 900 | Health.....                           | 9           | 63  |
| ___ 901 | Health Occupations <b>(DC)</b> .....  | 11/12       | 63  |
| ___ 902 | Medical Terminology <b>(DC)</b> ..... | 11/12       | 64  |
| ___ 905 | Sport & Fitness.....                  | 9/10/11/12  | 65  |
| ___ 910 | Personal Defense.....                 | 9/10/11/12  | 65  |
| ___ 915 | Swimming/Lifeguard Trn.....           | 9/10/11/12  | 65  |
| ___ 920 | Weightlifting.....                    | 9/10/11/12  | 66  |
| ___ 925 | Yoga.....                             | 9/10/11/12  | 66  |
| ___ 926 | Advanced Yoga.....                    | 10*/11*/12* | 66  |
| ___ 931 | Adventure Fitness.....                | 10/11/12    | 66  |

###

## INDUSTRIAL TECHNOLOGY

|             |  | GRADE      | PG. |
|-------------|--|------------|-----|
| ___ 701-702 | Multimedia Design.....                 | 9/10/11/12 | 69  |
| ___ 703-704 | Multimedia Des. Pro <b>(DC)</b> .....  | 10/11/12   | 69  |
| ___ 705-706 | Multimed. Des. Comm. <b>(DC)</b> ..... | 11/12      | 69  |
| ___ 707     | Digital Photography <b>(DC)</b> .....  | 11/12      | 69  |
| ___ 710     | Intro. to Metalworking.....            | 9/10/11/12 | 70  |

\* = Requires Instructor Consent

**(DC)** = Dual Credit Course

# MHS 2024-25 COURSE LISTING

## INDUSTRIAL TECHNOLOGY (CONT.)

|             |                                 | GRADE      | PG. |
|-------------|---------------------------------|------------|-----|
| ___ 711     | Welding <b>(DC)</b>             | 10/11/12   | 70  |
| ___ 712     | Machine Tool <b>(DC)</b>        | 10/11/12   | 70  |
| ___ 713-714 | Mosinee Manufacturing           | 11/12      | 70  |
| ___ 720     | Basic Woodworking               | 9/10/11/12 | 71  |
| ___ 722-723 | Furniture & Cabinet <b>(DC)</b> | 10/11/12   | 71  |
| ___ 725-726 | Construction 1                  | 9/10/11/12 | 71  |
| ___ 727-728 | Construction 2                  | 10/11/12   | 71  |
| ___ 729-730 | Construction 3                  | 11/12      | 71  |
| ___ 732-733 | Engineering Basics              | 9/10/11/12 | 71  |
| ___ 734-735 | Advanced Engineering            | 10/11/12   | 72  |
| ___ 741-742 | Engineering Applications        | 10/11/12   | 72  |
| ___ 747     | Chromebook Repairs              | 9/10/11/12 | 72  |
| ___ 748     | Intro. to FabLab                | 9/10/11/12 | 72  |
| ___ 749     | Make Something Big              | 9/10/11/12 | 72  |

###

## MATHEMATICS

|             |                             | GRADE       | PG. |
|-------------|-----------------------------|-------------|-----|
| ___ 410-411 | Algebra 1                   | 9/10/11/12  | 75  |
| ___ 412-413 | Geometry                    | 9/10/11/12  | 75  |
| ___ 414-415 | Algebra 2 <b>(DC)</b>       | 9*/10/11/12 | 75  |
| ___ 418-419 | Financial Algebra           | 11/12       | 76  |
| ___ 430-431 | AP® Precalculus <b>(DC)</b> | 11/12       | 76  |
| ___ 432-433 | AP® Calculus AB <b>(DC)</b> | 11/12       | 76  |
| ___ 434-435 | AP® Calculus BC             | 12          | 76  |
| ___ 436-437 | AP® Statistics              | 11/12       | 77  |

###

## SCHOOL TO CAREER

|               |                           | GRADE | PG. |
|---------------|---------------------------|-------|-----|
| ___ 1001-1002 | Internship                | 11/12 | 79  |
| ___ 1003-1004 | Student Leader Mentorship | 11/12 | 79  |
| ___ 1090-1091 | Youth Appr. - Year 1      | 11/12 | 79  |
| ___ 1092-1093 | Youth Appr. - Year 2      | 12    | 79  |

###

## SCIENCE

|             |                                   | GRADE    | PG. |
|-------------|-----------------------------------|----------|-----|
| ___ 315-316 | Integrated Science 9              | 9        | 81  |
| ___ 323-324 | Earth & Space Science             | 10/11/12 | 81  |
| ___ 330-331 | Biology                           | 10/11/12 | 81  |
| ___ 332-333 | Advanced Biology                  | 11/12    | 81  |
| ___ 340-341 | Chemistry <b>(DC)</b>             | 10/11/12 | 82  |
| ___ 344-345 | AP® Chemistry Lab                 | 11/12    | 82  |
| ___ 346-347 | AP® Chemistry                     | 11/12    | 82  |
| ___ 350-351 | AP® Physics 1 <b>(CAPP)</b>       | 10/11/12 | 82  |
| ___ 352-353 | AP® Physics 2                     | 11/12    | 82  |
| ___ 354-355 | AP® Environ. Science              | 11/12    | 83  |
| ___ 903-904 | Body, Struct. & Func. <b>(DC)</b> | 11/12    | 83  |

###

## SOCIAL STUDIES

|             |                                    | GRADE     | PG. |
|-------------|------------------------------------|-----------|-----|
| ___ 222     | Social Studies Survey              | 9         | 85  |
| ___ 223     | U.S. History 9                     | 9         | 85  |
| ___ 224     | World History                      | 10/11/12  | 85  |
| ___ 232     | Modern U.S. History                | 10        | 85  |
| ___ 234     | Government                         | 10*/11/12 | 86  |
| ___ 236-237 | AP® U.S. History                   | 11/12     | 86  |
| ___ 238     | Historical Media                   | 11/12     | 86  |
| ___ 250-251 | Intro. Diversity Stud. <b>(DC)</b> | 11/12     | 86  |
| ___ 252     | Global Conflict                    | 11/12     | 86  |
| ___ 253     | Environmental History              | 11/12     | 86  |
| ___ 261     | Economics                          | 11/12     | 87  |
| ___ 262-263 | Intro. to Sociology <b>(DC)</b>    | 11/12     | 87  |
| ___ 265     | Current Issues in Psych            | 11/12     | 87  |
| ___ 266-267 | Intro. to Psychology <b>(DC)</b>   | 11/12     | 87  |

###

## TRANSPORTATION

|         |  | GRADE      | PG. |
|---------|--|------------|-----|
| ___ 945 | Traffic Safety                                 | 9/10/11/12 | 89  |
| ___ 946 | Aviation Online Private Pilot Prep <b>(DC)</b> | 11/12      | 89  |

###

## WORLD LANGUAGES

|             |           | GRADE      | PG. |
|-------------|-----------|------------|-----|
| ___ 550-551 | Spanish 1 | 9/10/11/12 | 91  |
| ___ 560-561 | Spanish 2 | 9/10/11/12 | 91  |
| ___ 570-571 | Spanish 3 | 10/11/12   | 91  |
| ___ 580-581 | Spanish 4 | 11/12      | 91  |

\* = Requires Instructor Consent

**(DC)** = Dual Credit Course