



MOSINEE HIGH SCHOOL

# 2026-27 COURSE & CAREER GUIDE

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# TABLE OF CONTENTS

## Career Clusters

Advanced Manufacturing.....	1-2
Construction.....	3-4
Supply Chain & Transportation .....	5-6
Arts, Entertainment & Design .....	7-8
Hospitality, Events & Tourism.....	9-10
Financial Services .....	11-12
Management & Entrepreneurship .....	13-14
Digital Technology .....	15-16
Marketing & Sales .....	17-18
Education.....	19-20
Healthcare & Human Services.....	21-22
Public Service & Safety .....	23-24
Agriculture .....	25-26
Energy & Natural Resources.....	27-28

## Course Descriptions

Agriculture, Food & Natural Resources.....	29-31
Business & Marketing Education .....	33-36
English .....	37-40
Family & Consumer Sciences.....	41-43
Education & Training.....	45-46
Fine Arts.....	47-52
Health & Wellness Education .....	53-57
Industrial Technology.....	59-64
Mathematics.....	65-68
School to Career.....	69-70
Science.....	71-74
Social Studies.....	75-79
Transportation.....	81-82
World Languages.....	83-85

## Appendices

Graduation Credit Requirements.....	87-88
Academic and Career Plan (ACP) Program .....	89
Four-Year Plan Worksheet.....	91-92
Registration Calendar.....	93
Fee Schedule.....	95-96
Start College Now / Early College Credit Program.....	97
School to Career.....	98
Dual Credit Opportunities.....	99-100
Early Graduation.....	101
Post-High School Planning Calendar .....	102
University, Technical College, Apprenticeship, and Military Entrance Requirements.....	103-107
2026-27 Course List.....	109-110



# CAREER CLUSTERS





# ADVANCED MANUFACTURING

## COURSES OF INTEREST OFFERED AT MHS:

- ☐ Introduction to Metalworking
- ☐ Welding - DC
- ☐ Machine Tool - DC
- ☐ Mosinee Manufacturing
- ☐ Engineering Basics
- ☐ Advanced Engineering
- ☐ Engineering Applications
- ☐ Algebra 1
- ☐ Algebra 2 - DC
- ☐ Geometry
- ☐ AP® Physics 1
- ☐ AP® Physics 2
- ☐ Chemistry
- ☐ AP® Chemistry

## RELATED STUDENT ORGANIZATIONS

SkillsUSA ▪ Science Olympiad

# ADVANCED MANUFACTURING

Careers possibilities based on level of education:

## HIGH SCHOOL / PROGRAM CERTIFICATE

Machine Operator  
Production Assembler  
Welding Helper  
Fabrication Assistant

Quality Inspector Assistant  
Industrial Maintenance Helper  
CNC Trainee  
Assembly Line Worker

Packaging Technician  
Materials Handler  
Press Operator

## APPRENTICESHIP

CNC Technician/Operator  
Industrial Electrician

Millwright  
Machinist/Tool & Die Maker

Sheet Metal Worker/Fabricator  
Industrial Manufacturing Technician

## TECHNICAL COLLEGE (TECHNICAL DIPLOMA / ASSOCIATE'S DEGREE)

CNC Machinist  
Welding Specialist  
Industrial Electrician  
Maintenance Technician

Tool & Die Maker  
Industrial Mechanics Tech  
Sheet Metal Worker  
Precision Assembler

Mechatronics Technician  
Robotics Maintenance Tech  
Pipefitter Apprentice

## 4-YEAR COLLEGE (BACHELOR'S DEGREE)

Mechanical Engineer  
Manufacturing Engineer  
Industrial Engineer  
Supply Chain Analyst

Production Manager  
Operations Engineer  
Process Improvement Engineer  
Materials Engineer

Quality Engineer  
Production Planner  
Industrial Designer

## GRADUATE LEVEL (MASTER'S / DOCTORATE / CERTIFICATE)

Engineering Manager  
Robotics Systems Developer  
Advanced Materials Scientist  
Process Improvement Specialist

Director of Operations  
Manufacturing Consultant  
Automation Systems Engineer  
Industrial R&D Specialist

Plant Manager  
Operations Strategist



# CONSTRUCTION

## COURSES OF INTEREST OFFERED AT MHS:

- ☐ Basic Woodworking
- ☐ Furniture & Cabinetmaking - DC
- ☐ Construction 1
- ☐ Construction 2
- ☐ Construction 3
- ☐ Geometry
- ☐ Financial Algebra
- ☐ AP® Environmental Science

## RELATED STUDENT ORGANIZATIONS

SkillsUSA • FFA



# CONSTRUCTION

Careers possibilities based on level of education:

## HIGH SCHOOL / PROGRAM CERTIFICATE

Construction Laborer  
Apprentice Helper  
Carpenter Helper  
Mason Assistant

Painting Assistant  
Roofing Helper  
Concrete Finisher Helper  
Demolition Assistant

General Laborer  
Equipment Operator Helper  
Site Cleanup Worker

## APPRENTICESHIP

Bricklayer  
Cabinetmaker  
Carpenter  
HVAC Technician

Painter and Decorator  
Plumber  
Roofer and Waterproofer  
Sheet Metal Worker

Sprinklerfitter  
Steamfitter

## TECHNICAL COLLEGE (TECHNICAL DIPLOMA / ASSOCIATE'S DEGREE)

Construction Technician  
HVAC Installer  
Electrical Technician  
Drafting Technician

Building Inspector Assistant  
Estimator Assistant  
Civil Engineering Tech  
Project Coordinator

Landscape Technician  
Surveying Technician  
Facility Maintenance Technician

## 4-YEAR COLLEGE (BACHELOR'S DEGREE)

Construction Manager  
Project Manager  
Civil Engineer  
Structural Engineer

Cost Estimator  
Architect; Surveyor  
Urban Planner  
Construction Superintendent

Building Code Specialist  
Facilities Manager

## GRADUATE LEVEL (MASTER'S / DOCTORATE / CERTIFICATE)

Director of Construction  
Operations  
Construction Executive  
Engineering Manager

Urban Development Planner  
Sustainability Consultant  
Project Portfolio Manager  
REAL Estate Developer

Construction Safety Director  
Facility Development Manager  
Architect Principal  
Senior Structural Engineer



# SUPPLY CHAIN & TRANSPORTATION

## COURSES OF INTEREST OFFERED AT MHS:

- ☐ Introduction to Business
- ☐ REAL Keyboarding
- ☐ Introduction to Economics
- ☐ Accounting 1 - DC
- ☐ Accounting 2 - DC
- ☐ Mastering QuickBooks® - DC
- ☐ Oral Interpersonal Communication - DC
- ☐ Written Communication - DC
- ☐ AP® Statistics
- ☐ World Languages

## RELATED STUDENT ORGANIZATIONS

DECA ▪ Forensics

# SUPPLY CHAIN & TRANSPORTATION

Careers possibilities based on level of education:

## HIGH SCHOOL / PROGRAM CERTIFICATE

Delivery Driver

Warehouse Worker

Inventory Clerk

Forklift Operator

Package Handler

Shipping Assistant

Logistics Helper

Material Handler

Mailroom Clerk

Stocking Associate

Loader/Unloader

CDL Driver

## APPRENTICESHIP

Diesel Technician

Professional Truck Driver

Roadway Maintenance Technician

## TECHNICAL COLLEGE (TECHNICAL DIPLOMA / ASSOCIATE'S DEGREE)

Logistics Coordinator

Supply Chain Technician

Warehouse Supervisor

Transportation Planner

Inventory Analyst

Procurement Assistant

Distribution Technician

Fleet Coordinator

Freight Broker Assistant

Customs & Compliance Tech

Operations Coordinator

## 4-YEAR COLLEGE (BACHELOR'S DEGREE)

Supply Chain Analyst

Transportation Manager

Logistics Manager

Procurement Analyst

Inventory Planner

Freight Manager

Operations Analyst

Distribution Manager

Warehouse Operations Manager

Import/Export Specialist

Demand Planner

## GRADUATE LEVEL (MASTER'S / DOCTORATE / CERTIFICATE)

Director of Supply Chain

Senior Logistics Manager

Global Operations Manager

Procurement Director

Transportation Systems Designer

Supply Chain Consultant

Freight Operations Strategist

Senior Inventory Manager

Distribution Center Director

VP of Logistics

Supply Chain Data Scientist



# ARTS, ENTERTAINMENT & DESIGN

## COURSES OF INTEREST OFFERED AT MHS:

- ☐ Band
- ☐ Choir
- ☐ Ensembles
- ☐ Art 1
- ☐ Drawing & Painting 1
- ☐ Drawing & Painting 2
- ☐ Clay 1
- ☐ Clay 2
- ☐ Jewelry 1
- ☐ Jewelry 2
- ☐ Fiber Art
- ☐ Advanced Art/Clay
- ☐ Advanced Art/  
Drawing & Painting
- ☐ AP® Studio Art
- ☐ AP® Art History
- ☐ Multimedia Design
- ☐ Multimedia Design Pro - DC
- ☐ Multimedia Design  
Communication - DC
- ☐ Digital Photography - DC
- ☐ Introduction to Metalworking
- ☐ Introduction to Film
- ☐ Design Principles

## RELATED STUDENT ORGANIZATIONS

One-Act Play ▪ Vocalmotion ▪ Yearbook ▪ Forensics ▪ Dance Team  
▪ Visual Arts Club ▪ SkillsUSA ▪ Pep/Jazz Band ▪ Solo & Ensemble

# ARTS, ENTERTAINMENT & DESIGN

Careers possibilities based on level of education:

## HIGH SCHOOL / PROGRAM CERTIFICATE

Stage Crew

Studio Assistant

Art Gallery Assistant

Photography Assistant

Music Technician

Costume Assistant

Set Builder

Lighting Technician

Sound Assistant

Art Production Helper

Video Assistant

## TECHNICAL COLLEGE (TECHNICAL DIPLOMA / ASSOCIATE'S DEGREE)

Multimedia Designer

Junior Graphic Designer

Audio/Visual Producer

Web Designer

Production Coordinator

Set Designer

Film Editor

Animator

Sound Technician

Visual Effects Technician

## 4-YEAR COLLEGE (BACHELOR'S DEGREE)

Art Director

Graphic Designer

Multimedia Producer

Film Director; Animator

Interior Designer

Photographer

Fashion Designer

Music Producer

Theatre Director

## GRADUATE LEVEL (MASTER'S / DOCTORATE / CERTIFICATE)

Creative Director

Senior Animator

Art Consultant

Executive Producer

Design Strategist

Film Producer

Senior Photographer

Visual Arts Curator

Principal Architect

Digital Experience Director





# HOSPITALITY, EVENTS & TOURISM

## COURSES OF INTEREST OFFERED AT MHS:

- ☐ Introduction to Business
- ☐ Principles of Marketing - DC
- ☐ Hospitality & Tourism Marketing
- ☐ Accounting 1 - DC
- ☐ Accounting 2 - DC
- ☐ Mastering QuickBooks® - DC
- ☐ REAL Keyboarding
- ☐ Foods 1
- ☐ Foods 2
- ☐ Foods 3 - DC
- ☐ Oral Interpersonal Communications - DC

## RELATED STUDENT ORGANIZATIONS

FCCLA ▪ DECA ▪ Student Senate ▪ Forensics  
One-Act Play ▪ Visual Arts Club

# HOSPITALITY, EVENTS & TOURISM

Careers possibilities based on level of education:

## HIGH SCHOOL / PROGRAM CERTIFICATE

Server

Front Desk Clerk

Housekeeping Assistant

Food Runner

Barista

Host/Hostess

Event Setup Assistant

Catering Helper

Bellhop

Kitchen Steward

## APPRENTICESHIP

Culinary Arts Line Cook

## TECHNICAL COLLEGE (TECHNICAL DIPLOMA / ASSOCIATE'S DEGREE)

Event Coordinator

Hospitality Coordinator

Hotel Manager Assistant

Restaurant Manager

Travel Agent

Catering Manager

Guest Services Manager

Food & Beverage Manager

Tourism Specialist

Cruise Staff Supervisor

Hospitality Trainer

## 4-YEAR COLLEGE (BACHELOR'S DEGREE)

Hotel Manager

Restaurant Manager

Tourism Director

Event Planner

Convention Manager

Executive Chef

Catering Director

Cruise Director

Hospitality Consultant

Destination Marketing Manager

Travel Manager

## GRADUATE LEVEL (MASTER'S / DOCTORATE / CERTIFICATE)

Director of Hospitality

Resort Manager

Senior Event Executive

Hotel Chain Executive

Luxury Travel Consultant

Corporate Event Strategist

Cruise Operations Director

Tourism Development Director

Hospitality Entrepreneur

VP of Food & Beverage

Hospitality Operations Director



# FINANCIAL SERVICES

## COURSES OF INTEREST OFFERED AT MHS:

- ☐ Introduction to Business
- ☐ REAL Keyboarding
- ☐ Accounting 1 - DC
- ☐ Accounting 2 - DC
- ☐ Mastering QuickBooks® - DC
- ☐ Financial Algebra
- ☐ AP® Pre-Calculus
- ☐ AP® Statistics
- ☐ Introduction to Economics
- ☐ AP® Microeconomics
- ☐ AP® Macroeconomics

## RELATED STUDENT ORGANIZATIONS

DECA ▪ Math League ▪ Student Senate

# FINANCIAL SERVICES

Careers possibilities based on level of education:

## HIGH SCHOOL / PROGRAM CERTIFICATE

Bank Teller

Accounting Clerk

Bookkeeping Assistant

Insurance Assistant

Loan Processing Clerk

Customer Service Rep

Financial Services Trainee

Billing Assistant

Payment Processor

Tax Preparer Assistant

Payroll Clerk

## APPRENTICESHIP

Financial Services Professional

## TECHNICAL COLLEGE (TECHNICAL DIPLOMA / ASSOCIATE'S DEGREE)

Financial Analyst

Insurance Underwriter

Accounting Specialist

Loan Officer

Investment Assistant

Tax Preparer

Budget Analyst Assistant

Accounts Payable/Receivable  
Specialist

Audit Assistant

Risk Management Technician

Portfolio Analyst

## 4-YEAR COLLEGE (BACHELOR'S DEGREE)

Financial Analyst

Accountant

Investment Analyst

Insurance Underwriter

Budget Analyst

Auditor

Tax Specialist

Loan Officer

Risk Analyst

Financial Planner

Compliance Officer

## GRADUATE LEVEL (MASTER'S / DOCTORATE / CERTIFICATE)

Financial Manager

Chief Financial Officer

Senior Accountant; Risk Manager

Investment Manager

Portfolio Manager

Tax Director

Corporate Finance Executive

Finance Consultant

Compliance Director

Wealth Manager



# MANAGEMENT & ENTREPRENEURSHIP

## COURSES OF INTEREST OFFERED AT MHS:

- ☐ Introduction to Business
- ☐ REAL Keyboarding
- ☐ Principles of Marketing - DC
- ☐ Accounting 1 - DC
- ☐ Accounting 2 - DC
- ☐ Oral Interpersonal Communication - DC
- ☐ Written Communication - DC

### RELATED STUDENT ORGANIZATIONS

DECA ▪ Student Senate ▪ FCCLA  
National Honor Society ▪ CREW



# MANAGEMENT & ENTREPRENEURSHIP

Careers possibilities based on level of education:

## HIGH SCHOOL / PROGRAM CERTIFICATE

Office Assistant	Customer Service Representative	Event Coordinator Assistant
Administrative Assistant	Data Entry Clerk	Team Lead Trainee
Junior Entrepreneur	Receptionist	Junior Office Clerk
Retail Assistant Manager	Bookkeeping Assistant	

## APPRENTICESHIP

HR Specialist	Workforce Development Specialist
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## TECHNICAL COLLEGE (TECHNICAL DIPLOMA / ASSOCIATE'S DEGREE)

Operations Coordinator	Business Analyst	Office Manager
Project Coordinator	Accounting Assistant	Supply Chain Coordinator
Assistant Manager	Marketing Coordinator	Client Relations Specialist
HR Coordinator	Sales Coordinator	

## 4-YEAR COLLEGE (BACHELOR'S DEGREE)

Business Analyst	Entrepreneur; Marketing Manager	Product Manager
Operations Manager	Sales Manager	Account Manager
Project Manager	Management Consultant	
HR Manager	Financial Analyst	

## GRADUATE LEVEL (MASTER'S / DOCTORATE / CERTIFICATE)

Chief Executive Officer (CEO)	Director of Operations	Corporate Manager
Chief Operating Officer (COO)	Strategic Planner	Leadership Consultant
Entrepreneur/Business Owner	Executive Vice President	Portfolio Manager
Senior Management Consultant	Business Development Director	



# DIGITAL TECHNOLOGY

## COURSES OF INTEREST OFFERED AT MHS:

- ☐ Chromebook Repairs
- ☐ Introduction to FabLab
- ☐ Digital Photography - DC
- ☐ Multimedia Design  
Communications - DC
- ☐ REAL Keyboarding
- ☐ Algebra 1
- ☐ Algebra 2 - DC
- ☐ AP® Statistics
- ☐ AP® Physics 1
- ☐ Engineering Basics
- ☐ Advanced Engineering
- ☐ Engineering Applications

### RELATED STUDENT ORGANIZATIONS

Yearbook ▪ Visual Arts Club ▪ SkillsUSA

# DIGITAL TECHNOLOGY

Careers possibilities based on level of education:

## HIGH SCHOOL / PROGRAM CERTIFICATE

IT Support; Computer Technician  
Help Desk Assistant  
Junior Web Developer  
Hardware Technician

Network Support Trainee  
Software Tester Assistant  
Digital Media Assistant  
Technical Support Trainee

Computer Lab Assistant  
Database Assistant

## APPRENTICESHIP

Cybersecurity Analyst  
Data Analyst

IT Service Desk Technician  
Software Developer

Broad Band Service Technician

## TECHNICAL COLLEGE (TECHNICAL DIPLOMA / ASSOCIATE'S DEGREE)

Network Administrator  
Cybersecurity Analyst  
Systems Administrator  
Web Developer

Database Administrator  
IT Support Specialist  
Software Developer  
Data Analyst

Cloud Operations Specialist  
Technical Project Coordinator  
Robotics Technician

## 4-YEAR COLLEGE (BACHELOR'S DEGREE)

Software Developer  
Cybersecurity Analyst  
Systems Engineer  
Data Scientist

Network Engineer  
Web Application Developer  
IT Consultant  
Database Engineer

Mobile App Developer  
Cloud Solutions Engineer

## GRADUATE LEVEL (MASTER'S / DOCTORATE / CERTIFICATE)

IT Manager  
Chief Information Officer (CIO)  
Cybersecurity Manager  
AI Engineer

Data Science Lead  
Systems Architect  
Cloud Architect  
Software Architect

IT Director  
Principal Software Engineer  
Technology Consultant



# MARKETING & SALES

## COURSES OF INTEREST OFFERED AT MHS:

- ☐ Introduction to Business
- ☐ REAL Keyboarding
- ☐ Principles of Marketing - DC
- ☐ Accounting 1 - DC
- ☐ Accounting 2 - DC
- ☐ Mastering QuickBooks® - DC
- ☐ Sports & Entertainment Marketing
- ☐ Hospitality & Tourism Marketing
- ☐ Oral Interpersonal Communication - DC
- ☐ Written Communication - DC
- ☐ Introduction to Economics
- ☐ World Languages
- ☐ AP® Statistics

## RELATED STUDENT ORGANIZATIONS

DECA ▪ Math League ▪ Forensics  
Student Senate ▪ FFA

# MARKETING & SALES

Careers possibilities based on level of education:

## HIGH SCHOOL / PROGRAM CERTIFICATE

Retail Sales Associate  
Customer Service Rep  
Cashier  
Marketing Assistant

Brand Ambassador  
Social Media Assistant  
Sales Trainee  
Event Sales Helper

Promotional Assistant  
Merchandising Assistant  
Retail Stock Clerk

## TECHNICAL COLLEGE (TECHNICAL DIPLOMA / ASSOCIATE'S DEGREE)

Marketing Coordinator  
Retail Manager  
Digital Marketing Assistant  
Advertising Coordinator

Social Media Specialist  
Sales Coordinator  
Market Research Analyst  
E-commerce Specialist

Brand Manager Assistant  
Customer Success Specialist  
Event Marketing Assistant

## 4-YEAR COLLEGE (BACHELOR'S DEGREE)

Marketing Analyst  
Marketing Manager  
Sales Manager  
Brand Manager

Market Research Analyst  
Account Manager  
Digital Marketing Manager  
Social Media Manage

Advertising Manager  
Retail Operations Manager  
Product Manager

## GRADUATE LEVEL (MASTER'S / DOCTORATE / CERTIFICATE)

VP of Marketing  
Chief Marketing Officer  
Senior Brand Strategist  
Sales Director

Marketing Consultant  
Marketing Research Director  
E-commerce Director  
Product Marketing Director

Chief Commercial Officer  
Senior Market Analyst  
Business Development Director





# EDUCATION

## COURSES OF INTEREST OFFERED AT MHS:

- ☐ Introduction to Teaching - DC
- ☐ Child Development - DC
- ☐ Careers with Kids - DC
- ☐ Student Leader Mentorship
- ☐ Oral Interpersonal Communication - DC
- ☐ Written Communication - DC
- ☐ Introduction to Psychology - DC
- ☐ Current Issues in Psychology
- ☐ Introduction to Sociology - DC
- ☐ Introduction to Diversity Studies - DC
- ☐ Courses specific to the area interested in teaching

## RELATED STUDENT ORGANIZATIONS

DECA ▪ Student Senate ▪ Forensics ▪ FCCLA ▪ Teens Need Teens  
Big Brothers Big Sisters ▪ National Honor Society ▪ CREW

# EDUCATION

Careers possibilities based on level of education:

## HIGH SCHOOL / PROGRAM CERTIFICATE

Teacher Aide

Paraeducator

Preschool Assistant

Substitute Assistant

Library Assistant

After-school Program Helper

Classroom Support

Tutoring Assistant

Student Mentor

Teacher Intern

Curriculum Helper

## APPRENTICESHIP

Early Childhood Educator

## TECHNICAL COLLEGE (TECHNICAL DIPLOMA / ASSOCIATE'S DEGREE)

Early Childhood Educator

Paraeducator

Teacher Assistant

Special Education Assistant

Instructional Coach

Curriculum Developer Assistant

Education Technician

Library Technician

Student Services Coordinator

Academic Advisor Assistant

Learning Support Specialist

## 4-YEAR COLLEGE (BACHELOR'S DEGREE)

K-12 Teacher

Curriculum Specialist

Education Coordinator

Instructional Designer

Librarian

Literacy Specialist

Special Education Teacher

Academic Advisor

ESL Teacher

Education Program Manager

## GRADUATE LEVEL (MASTER'S / DOCTORATE / CERTIFICATE)

School Administrator

Principal

Superintendent

Educational Consultant

Director of Curriculum

College Professor

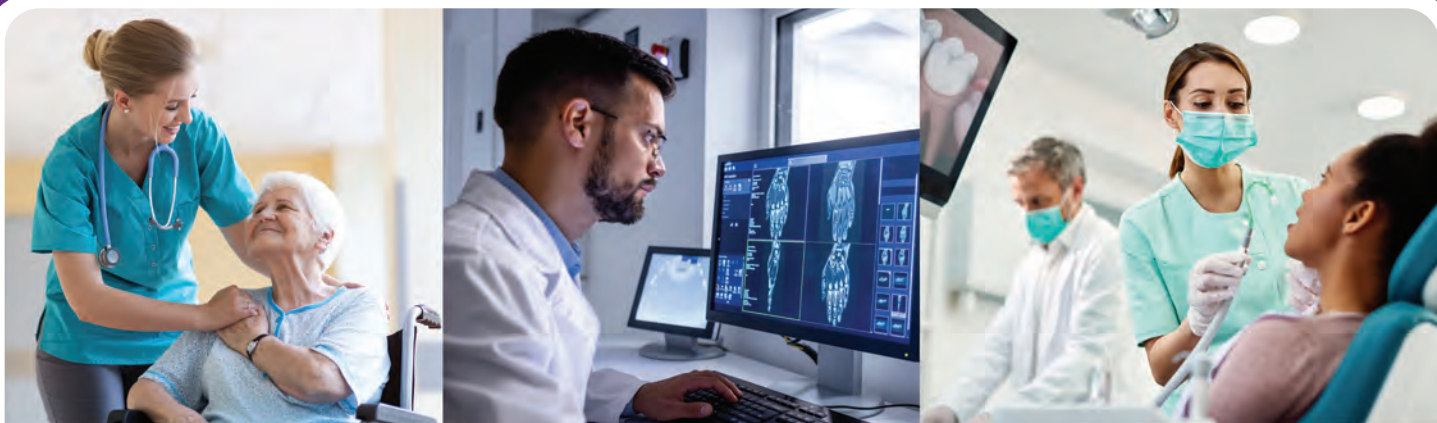
Academic Dean

Policy Analyst

Education Program Director

District Coordinator

Researcher in Education



# HEALTHCARE & HUMAN SERVICES

## COURSES OF INTEREST OFFERED AT MHS:

- Medical Terminology - DC
- Health Occupations - DC
- Introduction to Psychology - DC
- Introduction to Sociology - DC
- Introduction to Diversity Studies - DC
- Current Issues in Psychology
- World Languages
- Written Communication - DC
- Oral Interpersonal Communication - DC
- Biology
- Advanced Biology
- Body, Structure & Function - DC
- Chemistry
- AP® Chemistry

## RELATED STUDENT ORGANIZATIONS

National Honor Society ▪ FFA ▪ DECA ▪ Athletics ▪ CNA Training  
Teens Need Teens ▪ FCCLA ▪ CREW ▪ Big Brothers Big Sisters

# HEALTHCARE & HUMAN SERVICES

Careers possibilities based on level of education:

## HIGH SCHOOL / PROGRAM CERTIFICATE

Nursing Assistant (CNA)	Physical Therapy Aide	Patient Care Technician
Medical Assistant	Health Unit Clerk	Lab Assistant
EMT/Paramedic Trainee	Home Health Aide	Dental Assistant Trainee
Pharmacy Technician Assistant	Medical Receptionist	

## APPRENTICESHIP

Funeral Director	Interventional Cardiovascular Technologist	Registered Nurse
Barber	Medical Assistant	Sterilization Technician
Cosmetologist	Ophthalmic Assistant	Surgical Technologist
Caregiver	Pharmacy Technician	
Dental Assistant		

## TECHNICAL COLLEGE (TECHNICAL DIPLOMA / ASSOCIATE'S DEGREE)

Registered Nurse (RN)	Dental Hygienist	Clinical Research Coordinator
Radiologic Technologist	Diagnostic Medical Sonographer	Physical Therapy Assistant
Respiratory Therapist	Health Services Coordinator	Community Health Worker
Occupational Therapy Assistant	Medical Lab Technician	

## 4-YEAR COLLEGE (BACHELOR'S DEGREE)

Registered Nurse (BSN)	Public Health Specialist	Mental Health Counselor
Physician Assistant	Social Worker	Healthcare Administrator
Health Educator	Nutritionist/Dietitian	Respiratory Care Practitioner
Clinical Research Associate	Laboratory Scientist	

## GRADUATE LEVEL (MASTER'S / DOCTORATE / CERTIFICATE)

Nurse Practitioner	Epidemiologist	Medical Director
Physician	Physical Therapist	Advanced Practice Therapist
Clinical Psychologist	Research Scientist	Policy Analyst (Healthcare)
Healthcare Administrator	Hospital Executive	



# PUBLIC SERVICE & SAFETY

## COURSES OF INTEREST OFFERED AT MHS:

- ☐ REAL Keyboarding
- ☐ Written Communication - DC
- ☐ Oral Interpersonal Communication - DC
- ☐ Introduction to Economics
- ☐ Introduction to Sociology - DC
- ☐ Introduction to Psychology - DC
- ☐ Current Issues in Psychology
- ☐ World Languages
- ☐ Introduction to Diversity Studies - DC
- ☐ Global Conflict
- ☐ Different Voices
- ☐ AP® Environmental Science

### RELATED STUDENT ORGANIZATIONS

Student Senate ▪ Forensics ▪ DECA  
Model UN ▪ CREW



# PUBLIC SERVICE & SAFETY

Careers possibilities based on level of education:

## HIGH SCHOOL / PROGRAM CERTIFICATE

Security Officer  
Firefighter Recruit  
Police Cadet  
EMT Trainee

Corrections Officer Trainee  
Court Clerk Assistant  
Dispatcher Trainee  
Park Ranger Assistant

Emergency Medical Responder  
Lifeguard  
Community Service Assistant

## APPRENTICESHIP

Firefighter/Fire Medic

## TECHNICAL COLLEGE (TECHNICAL DIPLOMA / ASSOCIATE'S DEGREE)

Paralegal  
Emergency Medical Technician  
Fire Science Technician  
Criminal Justice Technician

Court Reporter  
Probation Officer Assistant  
Loss Prevention Specialist  
Community Corrections Officer

Juvenile Services Specialist  
Police Dispatcher  
Homeland Security Technician

## 4-YEAR COLLEGE (BACHELOR'S DEGREE)

Police Officer  
Firefighter  
Criminal Investigator  
Legal Assistant

Emergency Management  
Specialist  
Public Administrator  
Probation Officer

Social Services Caseworker  
Forensic Analyst  
Park Ranger  
Security Analyst

## GRADUATE LEVEL (MASTER'S / DOCTORATE / CERTIFICATE)

Attorney  
Judge  
Director of Public Safety  
Fire Chief

Police Chief  
Homeland Security Officer  
Emergency Management Director  
Public Policy Analyst

Criminal Justice Professor  
Forensic Scientist  
Crisis Management Consultant



# AGRICULTURE

## COURSES OF INTEREST OFFERED AT MHS:

- ☐ Introduction to Agriculture
- ☐ Plant & Animal Science
- ☐ Dairy & Animal Science - DC
- ☐ Ag Resource Management & Conservation
- ☐ Domestic Animal Care
- ☐ Ag Power & Technology
- ☐ Introduction to Soils - DC
- ☐ REAL Keyboarding
- ☐ Introduction to Business
- ☐ Oral Interpersonal Communications - DC
- ☐ Written Communications - DC
- ☐ Engineering Basics
- ☐ AP® Statistics
- ☐ Biology
- ☐ Advanced Biology
- ☐ Chemistry - DC
- ☐ AP Chemistry
- ☐ World Languages
- ☐ AP® Environmental Science

### RELATED STUDENT ORGANIZATIONS

FFA ▪ DECA ▪ Trees for Tomorrow ▪ Forensics  
SkillsUSA ▪ Science Olympiad

# AGRICULTURE

Careers possibilities based on level of education:

## HIGH SCHOOL / PROGRAM CERTIFICATE

Farm Worker

Greenhouse Assistant

Crop Laborer

Livestock Caretaker

Nursery Assistant

Agricultural Equipment Helper

Irrigation Technician Assistant

Beekeeper Assistant

Farm Hand

Landscaping Assistant

Agricultural Processing Helper

## APPRENTICESHIP

Dairy Grazier

Nursery Greenhouse Manager

Organic Vegetable Farm Manager

## TECHNICAL COLLEGE (TECHNICAL DIPLOMA / ASSOCIATE'S DEGREE)

Agronomy Technician

Agricultural Technician

Animal Science Technician

Irrigation Specialist

Farm Manager Assistant

Agricultural Lab Technician

Food Safety Technician

Plant Scientist Assistant

Crop Production Coordinator

Agribusiness Assistant

Environmental Agricultural Technician

## 4-YEAR COLLEGE (BACHELOR'S DEGREE)

Agronomist

Agricultural Engineer

Horticulturist

Farm Manager

Soil Scientist

Animal Scientist

Food Scientist

Agricultural Economist

Plant Breeder

Dairy Scientist

Environmental Consultant

## GRADUATE LEVEL (MASTER'S / DOCTORATE / CERTIFICATE)

Agricultural Engineer

Research Scientist

Agribusiness Executive

University Professor (Agriculture)

Crop Scientist

Animal Geneticist

Sustainability Consultant

Agricultural Policy Analyst

Director of Agriculture Operations

Farm Owner/Entrepreneur

Food Systems Analyst



# ENERGY & NATURAL RESOURCES

## COURSES OF INTEREST OFFERED AT MHS:

- ☐ Earth & Space Science
- ☐ AP® Environmental Science
- ☐ Ag Resource Management & Conservation
- ☐ Engineering Basics
- ☐ Advanced Engineering
- ☐ Engineering Applications
- ☐ AP® Statistics
- ☐ Introduction to Metalworking
- ☐ Machine Tool - DC
- ☐ Oral Interpersonal Communications - DC
- ☐ Introduction to Business

### RELATED STUDENT ORGANIZATIONS

Science Olympiad ▪ SkillsUSA ▪ Trees for Tomorrow  
DECA ▪ FFA ▪ Student Senate

# ENERGY & NATURAL RESOURCES

Careers possibilities based on level of education:

## HIGH SCHOOL / PROGRAM CERTIFICATE

Utility Worker	Energy Auditor Assistant	Natural Resources Technician
Solar Panel Installer Trainee	Electrical Helper	Lab Assistant (Energy)
Wind Technician Helper	Hydrology Technician Assistant	Conservation Field Assistant
Environmental Field Technician	Oil & Gas Field Helper	

## APPRENTICESHIP

Electric Line Worker	Sub Station Electrician	Waste Water Treatment Plan Operator
Metering Technician		

## TECHNICAL COLLEGE (TECHNICAL DIPLOMA / ASSOCIATE'S DEGREE)

Environmental Technician	Energy Systems Technician	Environmental Compliance Specialist
Energy Analyst Assistant	Power Plant Technician	Conservation Technician
Electrical Technician	Industrial Electrician	Energy Project Coordinator
Renewable Energy Technician	Hydrologist Technician	

## 4-YEAR COLLEGE (BACHELOR'S DEGREE)

Energy Analyst	Mechanical Engineer (Energy Systems)	Energy Systems Designer
Environmental Scientist	Environmental Consultant	Resource Manager
Renewable Energy Engineer	Sustainability Specialist	Hydrologist
Electrical Engineer		Power Systems Engineer

## GRADUATE LEVEL (MASTER'S / DOCTORATE / CERTIFICATE)

Energy Manager	Power Systems Engineer	Utility Executive
Environmental Engineer	Energy Policy Analyst	Advanced Research Engineer
Renewable Energy Consultant	Energy R&D Scientist	Environmental Strategist
Sustainability Director	Resource Planning Director	

# **COURSE DESCRIPTIONS**





# AGRICULTURE, FOOD & NATURAL RESOURCES

Curriculum Instructors:  
TBD

## 770 INTRODUCTION TO AGRICULTURE

**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 everything 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 PLANT & ANIMAL SCIENCE (SCIENCE EQUIVALENT)

**Grade:** 10 / 11 / 12

**Prerequisite:** Introduction to Agriculture

**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.

*Plant & Animal Science will meet the requirement for the third year of science.*

###



## 773 DAIRY & ANIMAL SCIENCE - DC

**Grade:** 11 / 12

**Prerequisite:** Plant & Animal Science

**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." Dairy & Animal Science 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 hunting, fishing, or other recreational purposes, this course is for you!

###

## 776 DOMESTIC ANIMAL CARE

**Grade:** 11 / 12

**Prerequisite:** Introduction to Agriculture

**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:** Introduction to Agriculture

**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 INTRODUCTION TO SOILS - DC

**Grade:** 11 / 12

**Prerequisite:** Dairy & Animal Science - DC

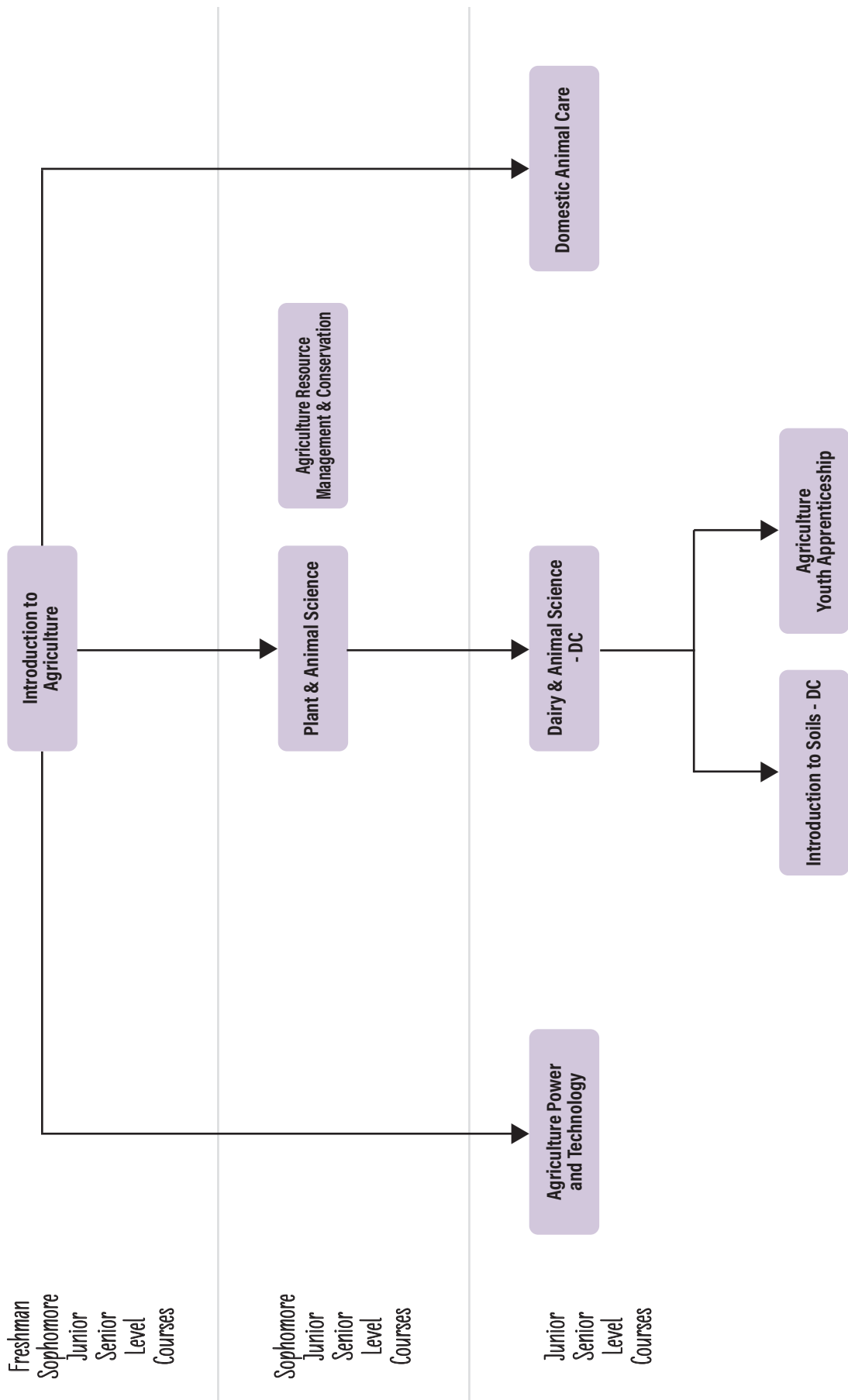
**Credit:** .50

**Length:** Semester

Introduction to Soils 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. Introduction to Soils 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 I - 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

This course gives students a broad overview of how businesses operate. Students will explore key topics such as management, marketing, operations, ethics, leadership, and innovation. Through real-world examples and hands-on activities, students will learn how businesses make decisions, serve customers, and solve



problems. The course builds skills in communication, teamwork, and critical thinking while introducing students to potential careers in business.

**Supply List:** Three-ring binder

###



## 640 MASTERING QUICKBOOKS® - DC

**Grade:** 11 / 12

**Prerequisite:** Accounting 1 - DC

**Credit:** .50

**Length:** Semester

QuickBooks 1: Introduces basic accounting concepts, set up and management of QuickBooks Online company files. The learner will navigate through the software by creating a new company, entering beginning balances, service and inventory items. Introduces adding new customers and vendors by entering and paying bills, writing checks, creating invoices and sales receipts. Demonstrates achievement by producing accurate reports.

QuickBooks 2: Expands on the learner's ability to manage a company chart of accounts, record purchases and process sales in QuickBooks Online. Learners will manage customer, vendor and employee records. Learners will expand upon their base knowledge of QuickBooks Online by performing investing, financing, payroll, budgeting and banking activities. The learner will enter adjusting entries, produce financial statements and other month-end reports. Through a full month simulation, the learner will check for reporting accuracy and correct common mistakes to ensure accurate financial reporting.

###



## 652 PRINCIPLES OF MARKETING - DC\*

**Grade:** 10 / 11 / 12

**Prerequisite:** Introduction to Business

**Credit:** .50

**Length:** Semester

Introduces an understanding of basic marketing fundamentals. The learner will explore consumer demographics, lifestyles and decision making; evaluate product distribution; promotions and price planning. The learner will create a Strategic Marketing Plan combining the components listed and develop a presentation.

**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.

###

## 655 SPORTS AND ENTERTAINMENT MARKETING

**Grade:** 10 / 11 / 12

**Prerequisite:** Principles of Marketing - DC

**Credit:** .50

**Length:** Semester

This course introduces students to the dynamic field of sports and entertainment marketing. Students will learn foundational marketing principles, examine industry-specific applications, and develop skills in promotion, branding, event planning, merchandising, and media strategy. The course emphasizes real-world applications, critical thinking, and career readiness in sports and entertainment industries.

###

## 656 HOSPITALITY AND TOURISM MARKETING

**Grade:** 10 / 11 / 12

**Prerequisite:** Principles of Marketing - DC

**Credit:** .50

**Length:** Semester

This course introduces students to the marketing principles used in the hospitality and tourism industry. Students will learn how hotels, restaurants, attractions, and travel organizations promote their services, understand customer needs, and create memorable guest experiences. Through real-world examples and hands-on projects, students will explore topics such as branding, digital marketing, customer service, event promotion, and destination marketing. The course also highlights career pathways in hospitality and tourism.

###

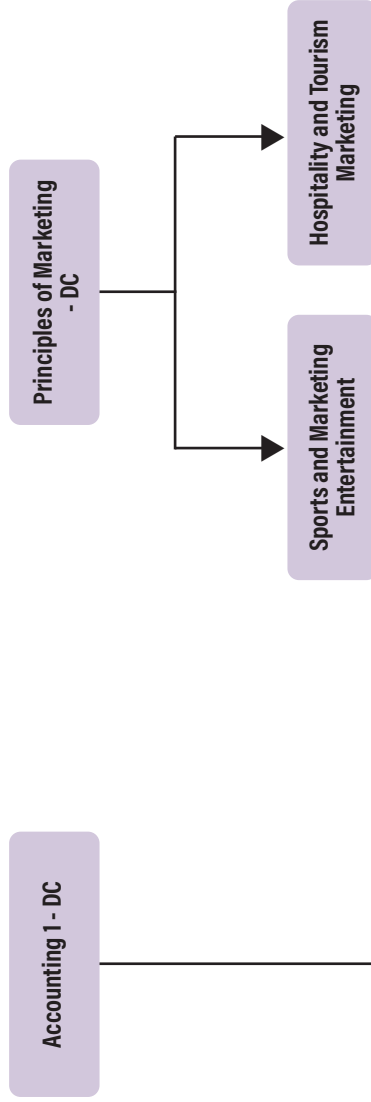
*\* Dual Credit is awarded for this course pending NTC Dual Credit approval/annual re-approval process. In addition to receiving high school credit, juniors and seniors who successfully complete this course will have grades posted to an official technical college transcript and tabulated in the student's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

**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 (REQUIRED)

**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 (REQUIRED\*)

**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, binder, paper, 1 Kleenex box, highlighters

###

## 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

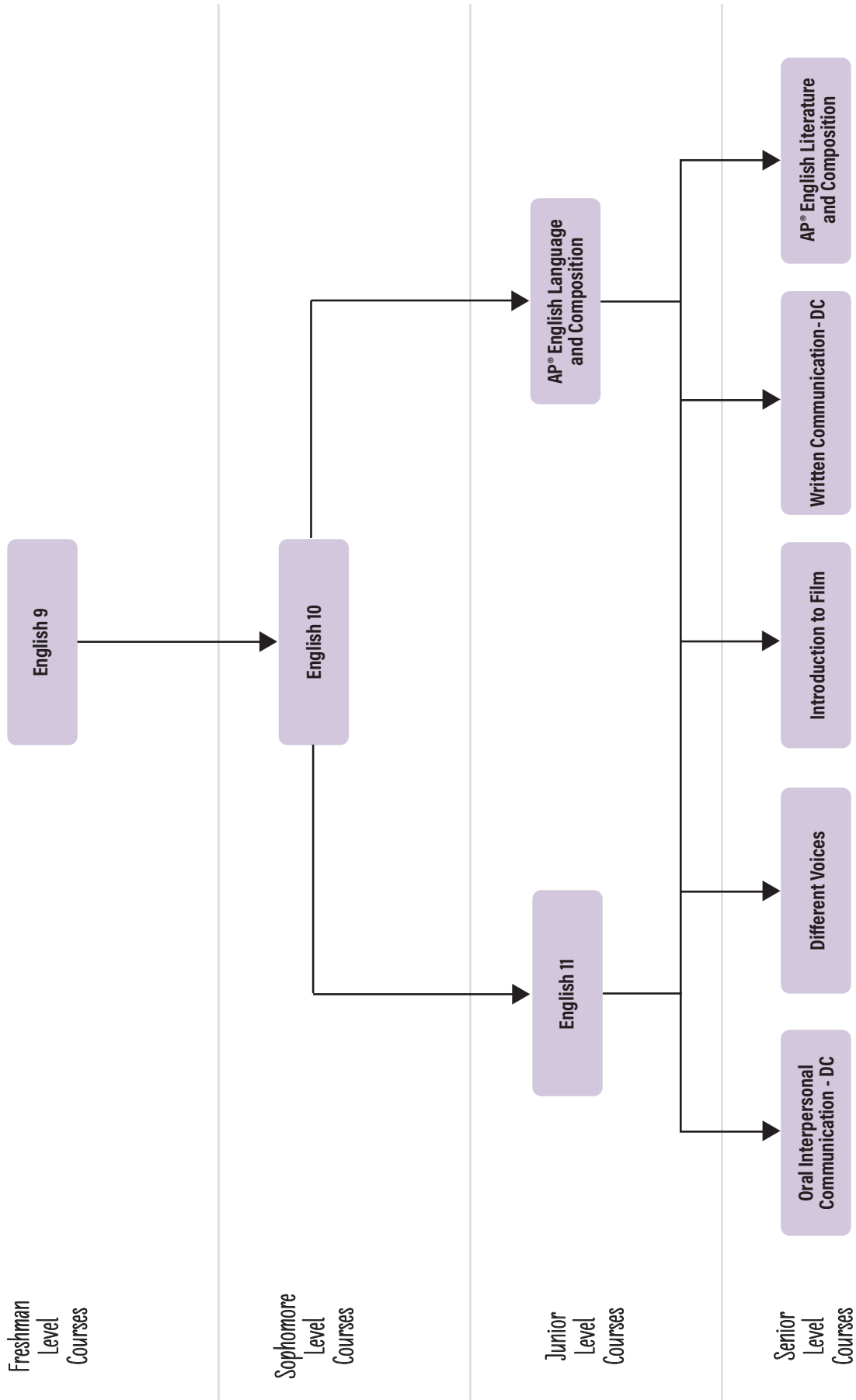
**Fee:** \$25 for Cengage textbook

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 SCIENCES

## Curriculum Instructors:

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

### 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 Association is a requirement for completion and can be used to apply for state certification.

Nutrition DC 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. The course will also include an overview of food science and the chemistry of foods.

**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:** Three-ring binder, one large white foam board

###

## 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

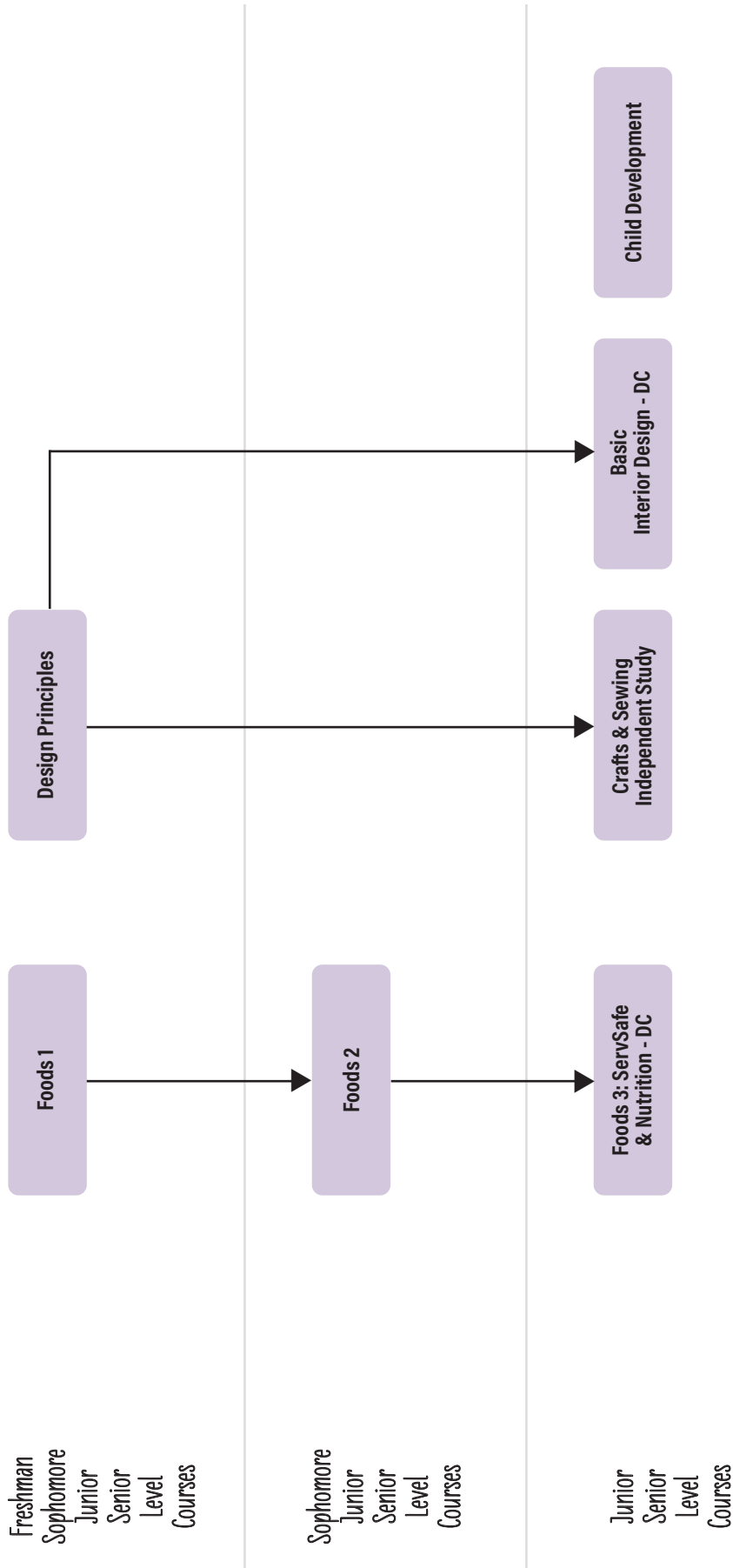
**Length:** Semester

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 SCIENCES 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

**Prerequisite:** None

**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)

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 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 ART I

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

**Prerequisite:** None

**Credit:** .50

**Length:** Semester

**Fee:** \$10

Various materials and concepts are introduced in this course. Students explore drawing, painting (acrylic and watercolor), 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:** Art 1  
(beginning with the Class of 2027)

**Credit:** .50

**Length:** Semester

**Fee:** \$10

Drawing and painting techniques are introduced in this course. Drawing pencils, charcoal sticks/pencils, acrylic paint, and watercolor are explored. 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

**Prerequisite:** None

**Credit:** .50

**Length:** Semester

**Fee:** \$20

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:** \$20

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 I

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

**Prerequisite:** None

**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

###

## 826 JEWELRY 2

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

**Prerequisite:** Jewelry 1 with a B+ or better

**Credit:** .50

**Length:** Semester

**Fee:** \$20

Jewelry 2 builds on Jewelry 1 by introducing advanced techniques, multi-material design, and professional finishing skills. Students will create more complex jewelry pieces using a combination of clay, resin, beads, metal, wire, leather,

and paper while refining craftsmanship and exploring entrepreneurial opportunities.

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

###

## 827 FIBER ART

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

**Prerequisite:** None

**Credit:** .50

**Length:** Semester

**Fee:** \$20

Learn weaving, dyeing, felting, papermaking, macramé, knitting, crochet, embroidery, and fiber-based collage while developing core design skills in color, texture, pattern, and composition. Through hands-on projects, students experiment with a wide range of materials, study cultural influences, and practice safe, professional studio habits. Emphasis is placed on creativity, craftsmanship, and personal expression. This course welcomes all skill levels.

###

## 828 ADVANCED ART - CLAY

**Grade:** 10 / 11 / 12

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

**Credit:** .50

**Length:** Semester

**Fee:** \$20

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® STUDIO ART

**Grade:** 11 / 12

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

**Credit:** 1.00

**Length:** Year

**Fee:** \$15

AP® 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.

###

## 832-833 AP® ART HISTORY

**Grade:** 11 / 12

**Prerequisite:** None

**Credit:** 1.00

**Length:** Year

***\*This is not a Studio Course.***

Students will study the elements and vocabulary of painting, architecture, and sculpture in their historical context. The class stresses critical thinking and the ability to articulate what the student sees and knows about the world's art. The historical art periods studied include the following: Prehistoric, Near-Eastern, Egypt, Ancient Greek and Roman, Early Christian, Byzantine, Medieval, Romanesque, Gothic, Early and High Renaissance, Baroque, Neo-Classical, and 19th century Realism and Impressionism.

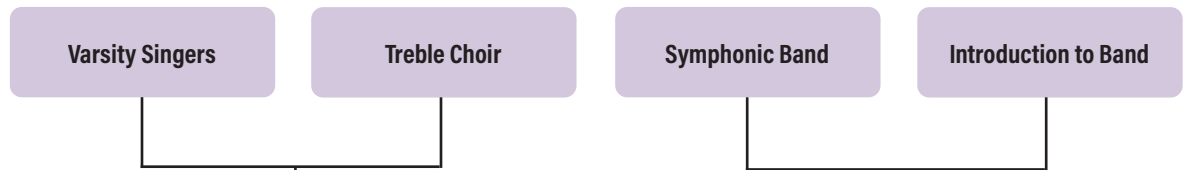
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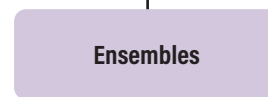
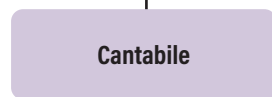
# FINE ARTS FLOW CHART

## MUSIC

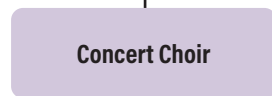
Freshman  
Sophomore  
Junior  
Senior  
Level  
Courses



Sophomore  
Junior  
Senior  
Level  
Courses

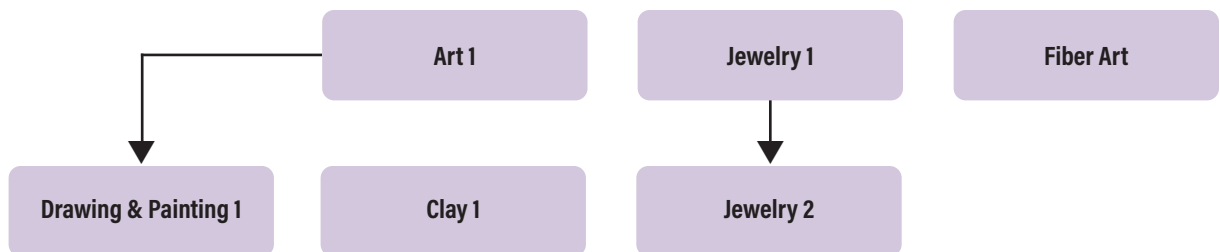


Junior  
Senior  
Level  
Courses

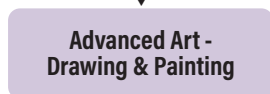
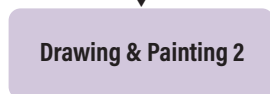


## VISUAL ARTS

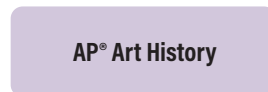
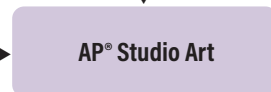
Freshman  
Sophomore  
Junior  
Senior  
Level  
Courses



Sophomore  
Junior  
Senior  
Level  
Courses



Junior  
Senior  
Level  
Courses



# HEALTH & WELLNESS EDUCATION

## Curriculum Instructors:

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

**BENJAMIN GOTZ** // BS - University of Wisconsin-Stevens Point // MS - Southeastern Oklahoma State

**LINDSEY NORTON** // BS - University of Wisconsin-Stevens Point

**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

**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.

###

## 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*, 11th 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.
- The same PE course **cannot** be repeated in back-to-back semesters without prior instructor approval.
- 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:**

\$30 - purchase of new personal defense uniform

\$0 - borrow a personal defense uniform from MHS

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.

**Strength/Weight Training & Yoga Body Bootcamp:** A hybrid of yoga and high intensity fitness based exercises combined.

**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

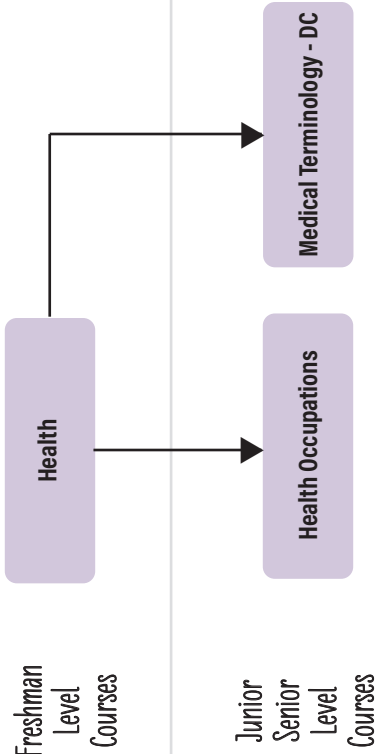
**Fee:** Field trips will be taken for this class which may require students to pay nominal fees.

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.

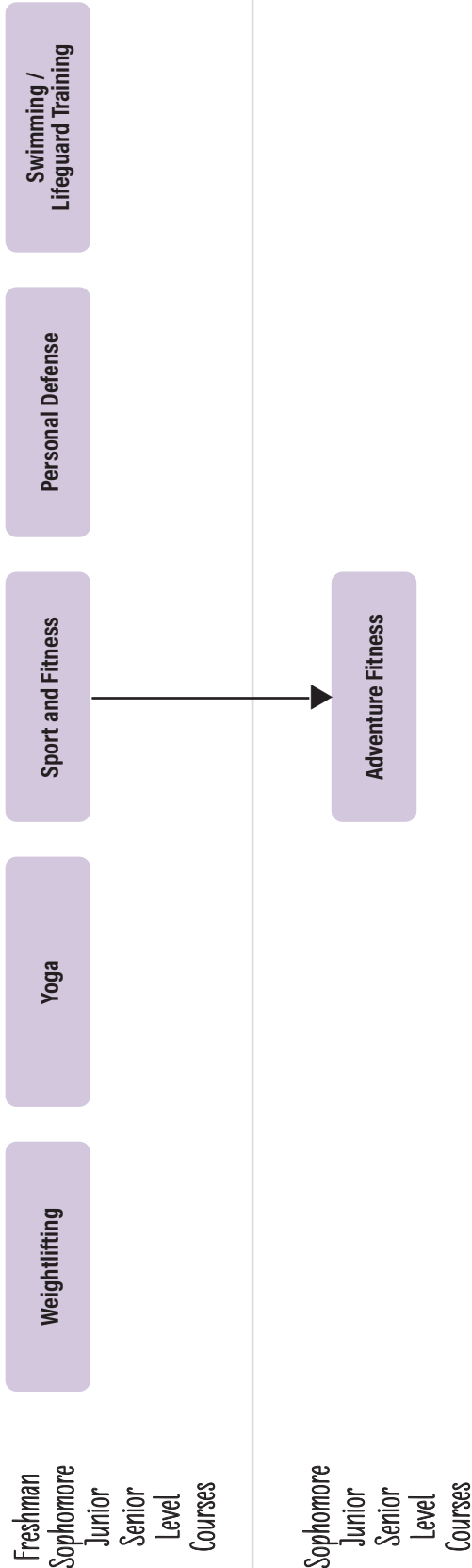
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HEALTH & WELLNESS EDUCATION FLOW CHART

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

Get ready to unleash your creativity in this class. You'll dive into the exciting worlds of graphic design, digital media, and entertainment design. If you like creating things, experimenting with technology, or just want a class that lets you make cool stuff, this is it.

You'll get hands-on experience with the same tools the pros use – Adobe Photoshop, Illustrator, InDesign, and Premiere Pro – to design everything from posters and logos to digital art. You'll even try your hand at stop-motion video and digital photography to see how movie magic is made.

These skills connect to some of the fastest-growing careers out there. Whether you're thinking about future design jobs, apprenticeships during your junior or senior year, or just want a creative class in your day, this course sets you up for success.

This class is filled with creativity, tech, and real-world skills.

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

###



## 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 all about creating awesome digital content by blending art, tech, and creativity. In this class, you'll deep dive into the Adobe Suite and other industry-level tools to design eye-catching visuals.

You'll also get hands-on experience with animation, learning the basics of bringing characters, graphics, and ideas to life. Plus, you'll take on real-world, customer-

based projects, building your communication skills and creating work you can actually show off in a portfolio. This is a project-based class, so you'll be creating from day one. Your progress will be measured through a competency-based system, meaning you get credit for what you can actually do.

This is a class where you can design, animate, create, and produce real projects that matter.

**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

Apply what you practiced! You will create real products for real events at school and in the community. Think homecoming and graduation booklets, prom tickets, Badger State Games badges, posters, programs, and all kinds of event materials.

You'll get a feel for what it's like to work in the design industry by following professional production workflows while building your skills step-by-step. This class is project-based, creative, and perfect for anyone who likes hands-on work and seeing their designs come to life.

Plus, you can earn dual credit in Introduction to Printing and Computer Page Layout – meaning you'll get a head start on college or technical training.

If you like creativity, design, or making things people actually use, this class is absolutely worth taking.

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

###



## 707 DIGITAL PHOTOGRAPHY - DC

**Grade:** 11 / 12

**Prerequisite:** None

**Credit:** .50

**Length:** Semester

Explore digital photography, whether you're dreaming of a career behind the lens or simply love capturing the world around you. In this course, you'll learn how to use a camera with confidence and apply your creative eye to the many ways photography influences our world.

You'll cover digital image basics, camera features, and hands-on camera operation while building strong photographic techniques. Students will also explore studio photography, basic digital image editing, photography in design and art, and the full production process of digital images, plus much more.

This is a hands-on, get-moving course that encourages you to look closer, discover new perspectives, and see what's possible through the lens of a camera.

In addition, this is a dual-credit course through NTC, and upon completion, students may earn 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:** \$75.00

Get ready to design, build, and bring your ideas to life! In this hands-on class, you'll work with woodworking machines like the table saw, miter saw, routers, jointer, and planer, plus CNC and laser machines, all while learning to work safely and smart. Use Adobe Illustrator to design custom images for your projects before building them in the shop, or dabble in epoxy and create a unique tabletop. Build cool, real-world items like photo frames, cutting boards, and end tables, all while sharpening your problem-solving and creative skills. This isn't just a class, it's your chance to make, create, and leave with something you can be proud of!

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

###



## 722-723 FURNITURE AND CABINETMAKING - DC

**Grade:** 10 / 11 / 12

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

**Credit:** 1.00

**Length:** Year

**Project Range:** \$60.00 (Projects built that are not a class requirement will be charged an additional fee.)

Overview of woodworking principles and machines with hands-on safety, while reverse engineering real furniture pieces using challenge-based thinking to figure out how they were built and how you can build yours even better.

Students will design their own furniture or cabinet piece, applying advanced skills like: dovetail joints, mortise and tenon joints, and other precision joinery techniques. You'll also take your ideas digital by using the CNC router for at least one operation or process, blending old-school craftsmanship with modern tech.

Expect plenty of problem-solving, creative design challenges, and "how do we build THAT?" moments. You'll be evaluated on workmanship and basic employability skills, just like a real shop or workplace.

**Supply List:** 6' tape measure, Z87 safety glasses, closed toe shoes

###

## 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, pencils

###

## 727-728 CONSTRUCTION 2

**Grade:** 10 / 11 / 12

**Prerequisite:** "C" or better in 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, tape measure, speed square, utility knife, work gloves, cat's paw, pencils, chalk line, nail set

###

## 729-730 CONSTRUCTION 3

**Grade:** 11 / 12

**Prerequisite:** "C" or better in both 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 more advanced projects. Students will participate in designing, estimating and building. Participants in this course will need to problem-solve, follow directives and represent our school in a positive manner. Students will gain real world experience while working together as a team. Projects in this class may require students to work outdoors, in which case, proper attire for various weather conditions is required. *(The class will NOT be building a Habitat for Humanity house during the 2025-2026 school year.)*

**Note:** Students signed up for the course must complete a successful interview process including an application with letters of recommendation to be accepted.

**Supply List:** Z87 Safety glasses, hard hat, tool belt, hammer, tape measure, speed square, utility knife, work gloves, cat's paw, pencils, chalk line, nail set

###

## 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 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.

###

## 736-737 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.

###

## 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:** \$40.00

Do you like art, design, electronics, building stuff, or just taking things apart to see how they work? Do you have an idea that could solve a problem or make life easier (or just more fun)?

In this class, you'll: take your ideas from sketch to reality; use state-of-the-art tools and machines to design, build, and test your own creations; make projects that are both fun and functional, and not just for a grade, but for real-world use.

Along the way, you'll build skills in engineering and electronics, science and math, art and graphic design, 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

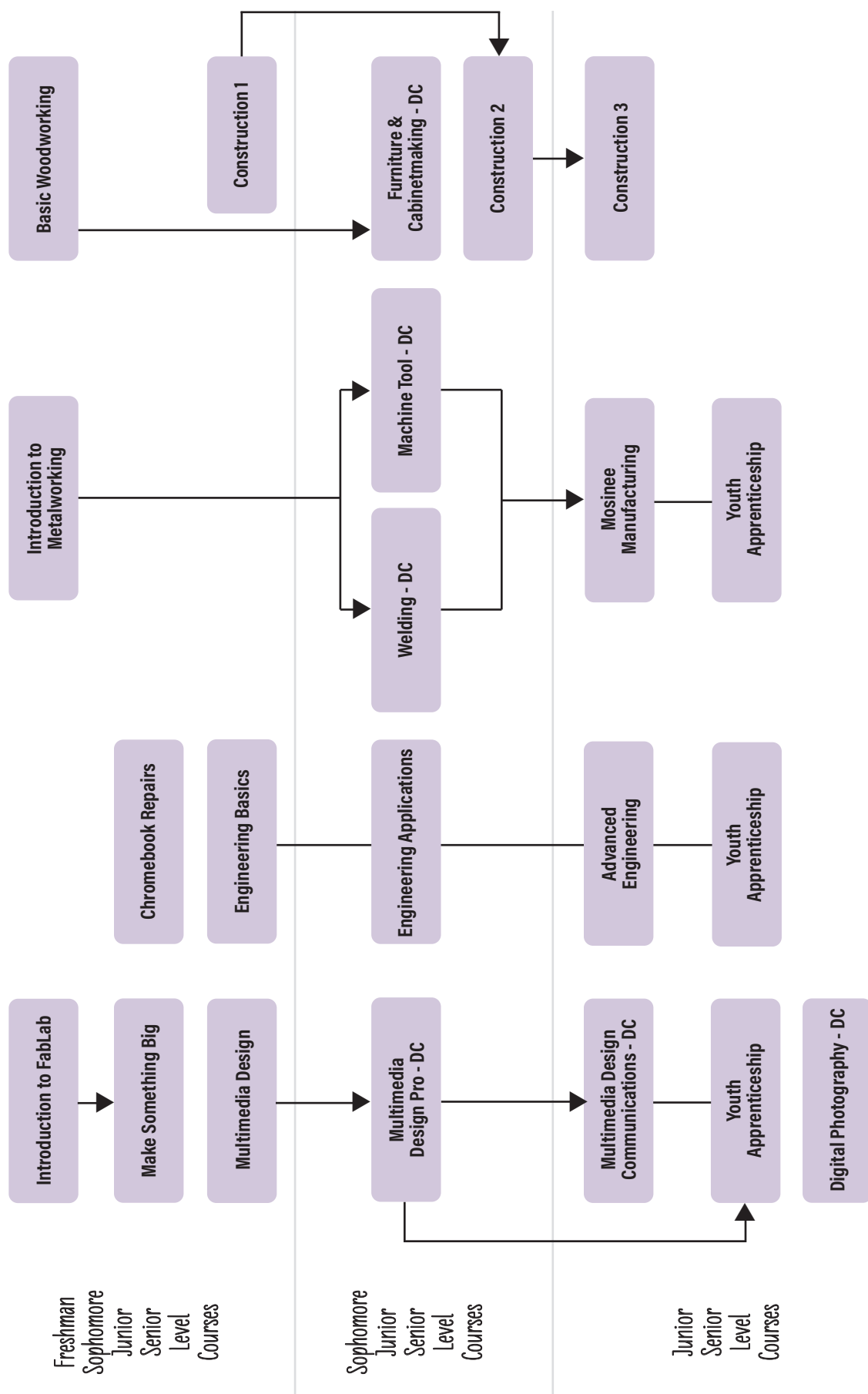
**Fee:** \$40.00

Can you build the perfect rocking chair? Design the ultimate treehouse? In this class, nothing is too big. You'll learn how to use large-format machines to create oversized, custom projects, from giant furniture to wild outdoor builds. Along the way, you'll combine art, design, and make something bigger, cooler, and more epic than what fits on a normal workbench.

###



# 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

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

**ROBIN SHUPE** // BS - University of Wisconsin-Stevens Point // MSE - Viterbo University

**MIKAYLA STOCKMAN** // 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® 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® CALCULUS AB - DC

**Grade:** 11 / 12

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

**Credit:** 1.00

**Length:** Year

AP® 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® Calculus exam at the end of the year.

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

###

## 434-435 AP® CALCULUS BC

**Grade:** 12

**Prerequisite:** AP® Calculus AB *or* consent of instructor

**Credit:** 1.00

**Length:** Year

AP® Calculus BC will review AP® 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

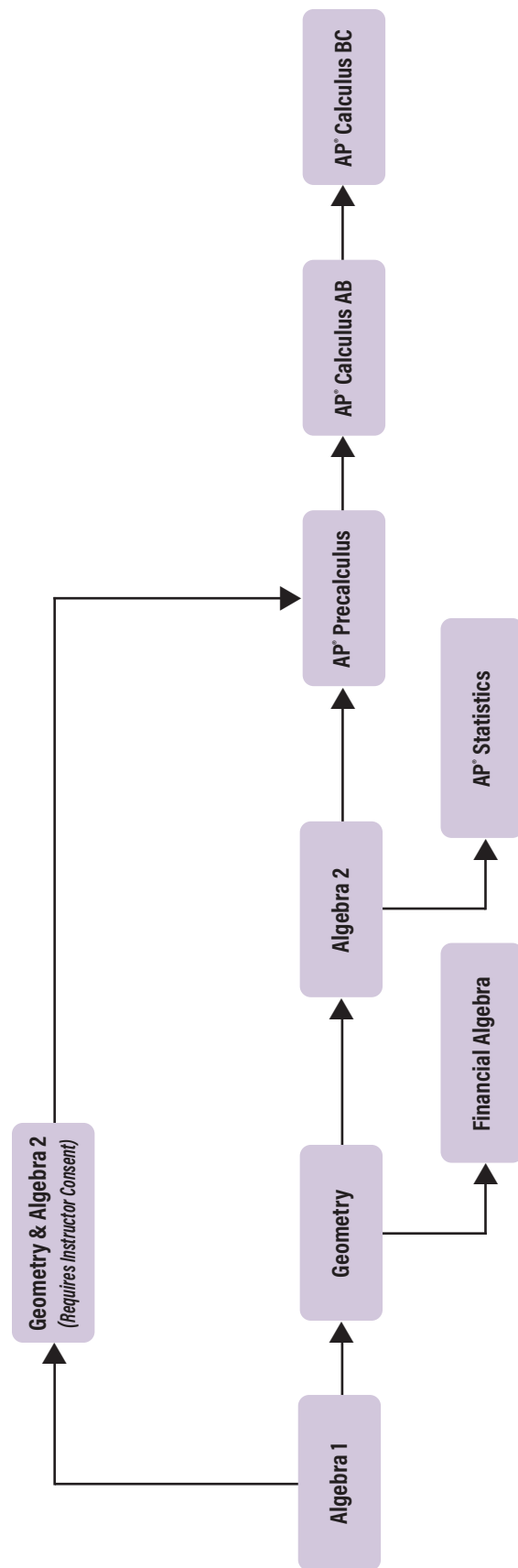
**Length:** Year

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:

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

### **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:** 9 / 10 / 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 - YEAR 1**

**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 - YEAR 2**

**Grade:** 12

**Prerequisite:** 1090-1091 Youth Apprenticeship

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

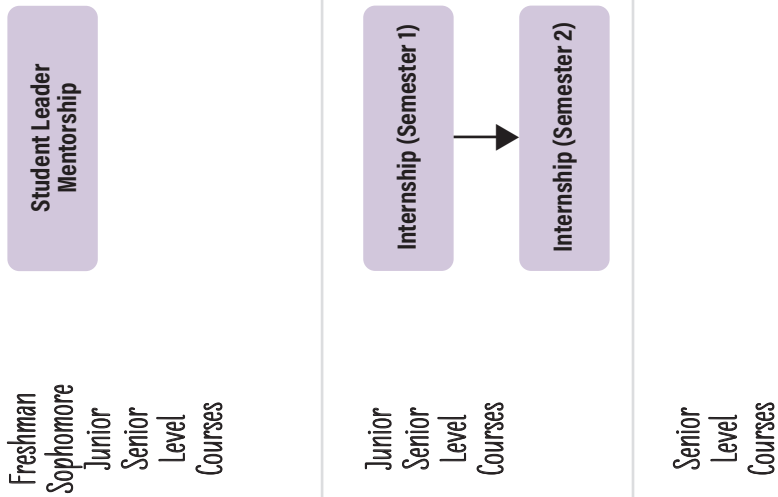
**Credit:** 2.00

**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.

###

# SCHOOL TO CAREER FLOW CHART





# SCIENCE

## Curriculum Instructors:

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

**CLAIRE GILICK** // BS - University of Wisconsin-Eau Claire // MS - Saint Mary's University of Minnesota

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

**BRETT SEUBERT** // BS - University of Wisconsin-Stevens Point

**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 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, glue/glue sticks, colored pencils

###

### 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

###

### 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.

###

### 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® 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® 16 Inquiry Laboratory Activities.

###

## 346-347 AP® CHEMISTRY

**Grade:** 11 / 12

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

**Credit:** 1.00

**Length:** Year

Advanced Placement® Chemistry is an extension of the concepts mastered in Chemistry. The AP® 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® Chemistry is recommended for students with a strong interest in pursuing a career requiring a full year

of college chemistry. While the AP® 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® PHYSICS I

**Grade:** 10 / 11 / 12

**Prerequisite:** Successful completion of Geometry

**Credit:** 1.00

**Length:** Year

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

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

###

## 352-353 AP® PHYSICS 2

**Grade:** 11 / 12

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

**Credit:** 1.00

**Length:** Year

AP® Physics 2 is an introductory, non-calculus-based physics course, that builds off material mastered in AP® Physics 1. This course will focus on 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 to understand the concepts better, students will be expected to complete laboratory activities. Students will be working in the laboratory for 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:** Biology and/or Advanced Biology

**Credit:** 1.00

**Length:** Year

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

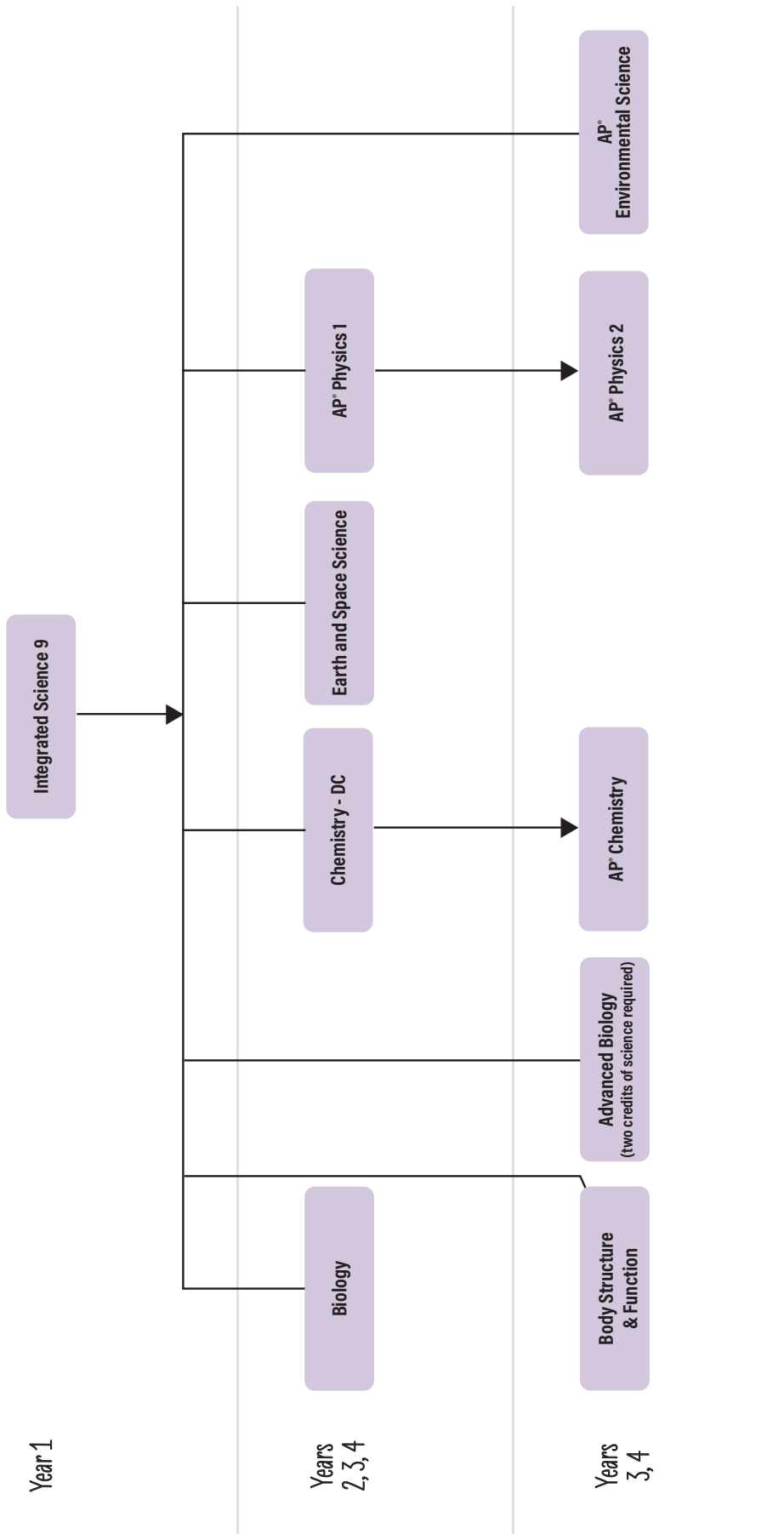
Body Structure and Function is a year long course in the concepts of general anatomy and physiology. Students will be introduced to the structures and functions of human anatomy using a body systems approach.

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, glue/glue sticks, 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

**JACOB NEWTON** // BS - University of Wisconsin-Stevens Point // MAT - University of Alaska-Southeast

**JACOB SKALITSKY** // BS - University of Wisconsin-Eau Claire // MSSc - American College of Education

## 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 development of the United States from the early 19th Century to the early 20th Century. Students will analyze the importance of events and documents in this course. The course concentrates on westward expansion, Industrialization, the Civil War, Reconstruction, the Frontier, Immigration, the Gilded Age, and the Progressive Era.

###

## 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 Imperialism and continue through to the Modern Era. Topics will include: Imperialism, the Great Depression, the Cold War, the Civil Rights Movement, Vietnam War, 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

**Prerequisite:** None

**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.

###

## 255 INTRODUCTION TO ECONOMICS

**Grade:** 11 / 12

**Prerequisite:** None

**Credit:** .50

**Length:** Semester

Economics is the study of the choices that individuals, businesses and countries make as a result of scarcity. This one semester course gives students the opportunity to learn how economic principles can be applied to various aspects of their lives. Topics studied include supply and demand, market structures, the health of the economy, behavioral economics, the financial industry, and international trade.

###

## 256-257 AP® MICROECONOMICS

**Grade:** 11 / 12

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

**Credit:** 1.0

**Length:** Year\*

AP® Microeconomics is an introductory college-level microeconomics course. Students cultivate their understanding of the principles that apply to the functions of individual economic decision-makers by using principles and models to describe economic situations and predict and explain outcomes with graphs, charts, and data as they explore concepts like scarcity and markets; costs, benefits, and marginal analysis; production choices and behavior; and market inefficiency and public policy. 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

*\*Offered on even/odd school years, ex. 2026/27 school year*

###

## 258-259 AP® MACROECONOMICS

**Grade:** 11 / 12

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

**Credit:** 1.0

**Length:** Year\*

AP® Macroeconomics is an introductory college-level macroeconomics course. Students cultivate their understanding of the principles that apply to an economic system as a whole by using principles and models to describe economic situations and predict and explain outcomes with graphs, charts, and data as they explore concepts like economic measurements, markets, macroeconomic models, and macroeconomic policies. 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.

*\*Offered on odd/even school years, ex. 2025/26 school year*

###



## 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

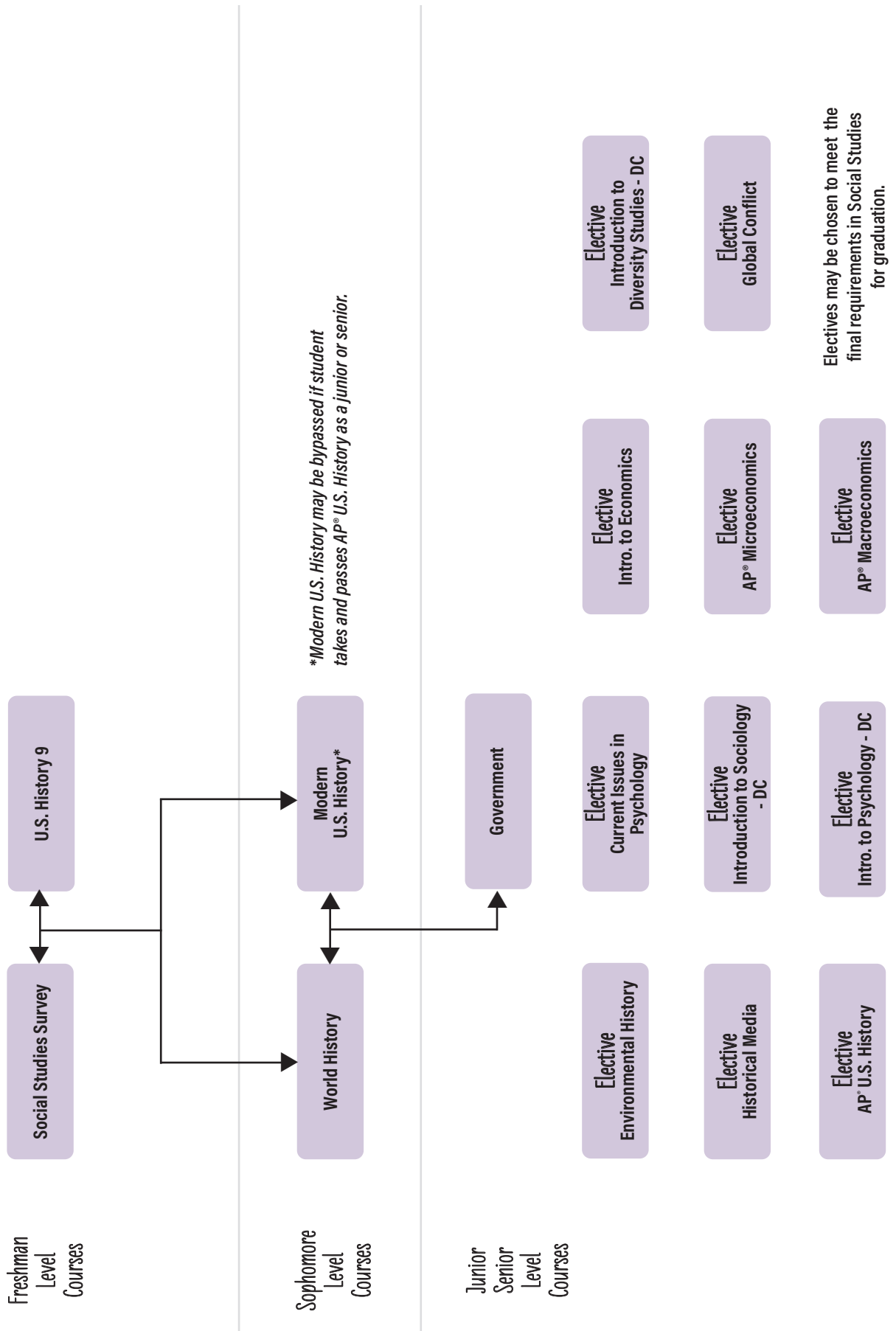
**Credit:** 1.00

**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

**Prerequisite:** None

**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. 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.

- Students will receive support from outside aviation professionals including retired United pilot, Mr. Steve Ellis.

**\*\*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.

- 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, students will earn their private pilot license.

###

# TRANSPORTATION FLOW CHART

Freshman  
Sophomore  
Junior  
Senior  
Level  
Courses

Traffic Safety

Sophomore  
Junior  
Senior  
Level  
Courses

Aviation Online Private  
Pilot Prep

Junior  
Senior  
Level  
Courses

# 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.

###

## 590-591 SPANISH 5

**Grade:** 12

**Prerequisite:** Spanish 4

**Credit:** 1.00

**Length:** Year

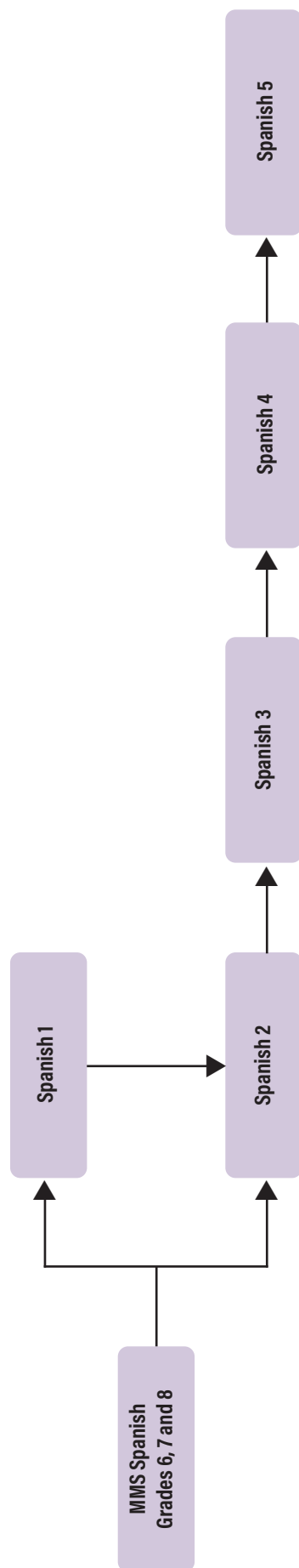
Spanish 5 is an advanced-level course designed to enhance student proficiency, providing opportunities for preparation for college-level studies. We will strengthen

fluency and confidence in reading and writing skills, along with speaking and listening abilities. The class will study all verb tenses and other advanced grammar concepts. Students will also engage in various reading and viewing activities. This class will be combined with Spanish IV and will have a rotating curriculum.

###



# WORLD LANGUAGES FLOW CHART





# APPENDICES



# GRADUATION CREDIT REQUIREMENTS

## – CLASS OF 2027 –

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.

# GRADUATION CREDIT REQUIREMENTS

## – CLASSES OF 2028, 2029 & 2030 –

Mosinee High School requires 23.5 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 ..... 7.5 credits

### TOTAL ..... 23.5 credits

**In addition, students must successfully complete the Mosinee High School Academic and Career Planning (ACP) program.** This includes community service, 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
- ☐ Community Service Log and Reflection (**Classes of 2028 & 2029**)
- ☐ 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 (not required if taking AP® U.S. History)
	(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- 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- 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 12 - JANUARY 30, 2026

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.*

###

## JANUARY 26, 2026

### Course Registration Night 4:00-7:30 pm

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.*

###

## JANUARY 30, 2026

### 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 26, 2026

### Open House 4:00-7:00 pm

###

## AUGUST 31, 2026

### Kickstart to High School (Freshmen & New Students) Full School Day

###



# FEE SCHEDULE

Advanced Art - Clay .....	\$20.00
Advanced Art - Drawing & Painting .....	\$10.00
Art 1 .....	\$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 .....	\$20.00
Clay 2 .....	\$20.00
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)
Fiber Art .....	\$20.00
Foods Labs .....	\$10.00 (to offset consumable costs of class)
Foods 3 .....	\$40.00 (in addition to lab fee)
Interior Design .....	Cost of materials
Introduction to FabLab .....	\$25.00
Introduction to Metalworking .....	\$30.00
Jewelry 1 .....	\$10.00 (may increase based on material usage)
Jewelry 2 .....	\$20.00
Machine Tool .....	\$30.00
Make Something Big .....	\$25.00
Medical Terminology .....	\$90.00 (subject to change)
Oral Interpersonal Communication .....	\$25.00
Personal Defense Class Fee .....	\$50.00
Uniform Purchase .....	\$30.00
Promotional Belt .....	\$10.00

# FEE SCHEDULE (CONT.)

Replacement Badge .....	\$5.00
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)
Spectator Bus .....	\$5.00 (per trip)
Studio Art .....	\$15.00
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  include:

MHS COURSE	COURSE #/TITLE	CREDIT	PAGE
Dairy & Animal Science	10091104 Introduction to Animal/Dairy Science	3 credits	29
Introduction to Soils	10093102 Introduction to Soils	2 credits	30
Accounting 1	10101111 Accounting I	4 credits	33
Accounting 2	10101113 Accounting II	4 credits	33
Mastering QuickBooks	10101180 QuickBooks 1	1 credit	34
	10101181 QuickBooks 2	2 credits	
Financial Literacy	10809101 Cents and Sensibility	1 credit	34
Principles of Marketing	10104172 Marketing Principles	3 credits	34
Written Communication	10801195 Written Communication	3 credits	38
Oral Interpersonal Communication	10801196 Oral Interpersonal Communication	3 credits	39
Foods 3: ServSafe & Nutrition	10316107 Nutrition	2 credits	41
	10316100 Sanitation and Safety	2 credits	
Child Development	10307179 ECE: Child Development	3 credits	42
Careers with Kids	10307148 Foundations of Early Childhood Education	3 credits	45
Introduction to Teaching	10522103 Introduction to Education Practices	3 credits	45
Health Occupations	10501190 Introduction to Health Careers	1 credit	53
Medical Terminology	10501101 Medical Terminology	3 credits	54
Multimedia Design Pro	10204126 Photoshop Image Manipulations	2 credits	59
	10204121 Introduction to Graphics Software and Design	2 credits	
Multimedia Design Communications	10204112 Introduction to Printing	2 credits	59
	10204123 Computer Page Layout	2 credits	
Digital Photography	10204135 Basic Digital Photo	3 credits	60
Welding	10442101 Introduction to Welding	2 credits	60
Machine Tool	10420101 Intro to Machine Shop	2 credits	60
Furniture and Cabinetmaking	10465119 Fundamentals of Furniture Manufacturing	2 credits	61

Algebra 2	10804118 Intermediate Algebra with Applications	4 credits	65
AP® Precalculus	10804196 Trigonometry with Applications	3 credits	66
AP® Calculus AB	10804198 Calculus 1	4 credits	66
Chemistry	10806134 General Chemistry	4 credits	72
Body, Structure and Function	10806110 Body, Structure and Function	3 credits	73
Introduction to Diversity Studies	10809172 Introduction to Diversity Studies	3 credits	76
Introduction to Sociology	10809196 Introduction to Sociology	3 credits	77
Introduction to Psychology	10809198 Introduction to Psychology	3 credits	78

Current DC agreements through  include:

<b>MHS COURSE</b>	<b>COURSE #/TITLE</b>	<b>CREDIT</b>	<b>PAGE</b>
Basic Interior Design	10304125 Basic Interior Design	3 credits	42

# 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® 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

### Late Summer

- Students look for UW Direct Admit offer letter.

### Fall

- Accept any UW Direct Admit offers of interest
- 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
- ☐ Intro. to Economics - .5 credit
- ☐ AP® Microeconomics - 1.0 credit
- ☐ AP® Macroeconomics - 1.0 credit
- ☐ Intro. to Sociology - 1.0 credit
- ☐ Current Issues in Psychology - .5 credit
- ☐ Intro. 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 & Lab - 1.5 credits
- ☐ Earth and Space Science - 1.0 credit
- ☐ AP® Environmental Science - 1.0 credit
- ☐ Body Structure & Function-DC - 1.0 credit
- ☐ Plant & Animal Science - 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
- ☐ Introduction to Diversity Studies - 1.0 credit
- ☐ Global Conflict - .5 credit
- ☐ Introduction to Economics - .5 credit
- ☐ AP® Microeconomics - 1.0 credit
- ☐ AP® Macroeconomics - 1.0 credit
- ☐ Introduction 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
- ☐ Spanish 5 - 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).



### 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 2026-27 COURSE LISTING

## AGRICULTURE

		GRADE	PG.
___ 770	Intro. to Agriculture .....	9/10/11/12	29
___ 771-772	Plant & Animal Science.....	10/11/12	29
___ 773	Dairy & Animal Science <b>(DC)</b> .....	11/12	29
___ 775	Ag. Res. Mgmt. & Consv.....	10/11/12	29
___ 776	Domestic Animal Care.....	11/12	30
___ 777	Ag. Power & Technology .....	11/12	30
___ 778	Introduction to Soils <b>(DC)</b> .....	11/12	30

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## BUSINESS & MARKETING EDUCATION

		GRADE	PG.
___ 600	REAL Keyboarding .....	9/10/11/12	33
___ 633-634	Accounting 1 <b>(DC)</b> .....	10/11/12	33
___ 635-636	Accounting 2 <b>(DC)</b> .....	11/12	33
___ 637	Intro. to Business .....	9/10/11/12	33
___ 640	Mastering QuickBooks <b>(DC)</b> .....	11/12	34
___ 652	Principles of Marketing <b>(DC)</b> .....	10/11/12	34
___ 654	Financial Literacy <b>(DC)</b> .....	11/12	34
___ 655	Sports & Entertainment Mktg.....	10/11/12	34
___ 656	Hospitality & Tourism Mktg.....	10/11/12	35

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## ENGLISH

		GRADE	PG.
___ 110-111	English 9 .....	9	37
___ 120-121	English 10.....	10	37
___ 130-131	English 11.....	11	37
___ 156-157	AP® English Lang./Comp.....	11	38
___ 158-159	AP® English Lit./Comp.....	12	38
___ 163	Different Voices.....	11*/12	38
___ 170	Written Comm. <b>(DC)</b> .....	12	38
___ 171	Introduction to Film.....	11*/12	39
___ 179	Oral Interp. Comm. <b>(DC)</b> .....	11*/12	39

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## FAMILY & CONSUMER SCIENCES

		GRADE	PG.
___ 750	Foods 1.....	9/10/11/12	41
___ 751	Foods 2.....	10/11/12	41
___ 752-753	Foods 3 <b>(DC)</b> .....	11/12	41
___ 760	Design Principles.....	9/10/11/12	42
___ 762	Crafts & Sewing Ind. Study.....	11*/12*	42
___ 763	Basic Interior Design <b>(DC)</b> .....	11/12	42
___ 758	Child Development <b>(DC)</b> .....	11/12	42

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## EDUCATION & TRAINING

		GRADE	PG.
___ 759	Careers with Kids <b>(DC)</b> .....	11/12	45
___ 765	Intro. to Teaching <b>(DC)</b> .....	11/12	45

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## FINE ARTS

		GRADE	PG.
___ 800-801	Concert Choir.....	11*/12*	47
___ 802-803	Varsity Singers.....	9/10/11/12	47
___ 804-805	Treble Choir.....	9	47
___ 806-807	Cantabile.....	10/11/12	48
___ 808-809	Symphonic Band.....	9/10/11/12	48
___ 812	Introduction to Band.....	9/10/11/12	48
___ 814-815	Ensembles .....	10*/11*/12*	49
___ 820	Art 1.....	9/10/11/12	49
___ 821	Drawing & Painting 1.....	9/10/11/12	49
___ 822	Drawing & Painting 2.....	10/11/12	49
___ 823	Clay 1.....	9/10/11/12	49
___ 824	Clay 2.....	10/11/12	50
___ 825	Jewelry 1.....	9/10/11/12	50
___ 826	Jewelry 2.....	9/10/11/12	50
___ 827	Fiber Art.....	9/10/11/12	50
___ 828	Advanced Art - Clay .....	10/11/12	50
___ 829	Adv. Art - Drawing & Painting.....	10/11/12	50
___ 830-831	AP® Studio Art .....	11/12	51
___ 832-833	AP® Art History .....	11/12	51

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## HEALTH & WELLNESS EDUCATION

		GRADE	PG.
___ 900	Health .....	9	53
___ 901	Health Occupations <b>(DC)</b> .....	11/12	53
___ 902	Medical Terminology <b>(DC)</b> .....	11/12	54
___ 905	Sport & Fitness .....	9/10/11/12	55
___ 910	Personal Defense.....	9/10/11/12	55
___ 915	Swim/Lifeguard Training.....	9/10/11/12	55
___ 920	Weightlifting.....	9/10/11/12	56
___ 925	Yoga.....	9/10/11/12	56
___ 931	Adventure Fitness.....	10/11/12	56

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\* = Requires Instructor Consent  
**(DC)** = Dual Credit Course

# MHS 2026-27 COURSE LISTING

## INDUSTRIAL TECHNOLOGY

		GRADE	PG.
___ 701-702	Multimedia Design.....	9/10/11/12	59
___ 703-704	Multimedia Des. Pro <b>(DC)</b> .....	10/11/12	59
___ 705-706	Multimed. Des. Comm. <b>(DC)</b> .....	11/12	59
___ 707	Digital Photography <b>(DC)</b> .....	11/12	60
___ 710	Intro. to Metalworking.....	9/10/11/12	60
___ 711	Welding <b>(DC)</b> .....	10/11/12	60
___ 712	Machine Tool <b>(DC)</b> .....	10/11/12	60
___ 713-714	Mosinee Manufacturing.....	11/12	61
___ 720	Basic Woodworking.....	9/10/11/12	61
___ 722-723	Furniture & Cabinet <b>(DC)</b> .....	10/11/12	61
___ 725-726	Construction 1.....	9/10/11/12	61
___ 727-728	Construction 2.....	10/11/12	62
___ 729-730	Construction 3.....	11/12	62
___ 732-733	Engineering Basics.....	9/10/11/12	62
___ 734-735	Engineering Applications.....	10/11/12	62
___ 736-737	Advanced Engineering.....	10/11/12	62
___ 747	Chromebook Repairs.....	9/10/11/12	63
___ 748	Intro. to FabLab.....	9/10/11/12	63
___ 749	Make Something Big.....	9/10/11/12	63

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## MATHEMATICS

		GRADE	PG.
___ 410-411	Algebra 1.....	9/10/11/12	65
___ 412-413	Geometry.....	9/10/11/12	65
___ 414-415	Algebra 2 <b>(DC)</b> .....	9*/10/11/12	65
___ 418-419	Financial Algebra.....	11/12	66
___ 430-431	AP® Precalculus <b>(DC)</b> .....	11/12	66
___ 432-433	AP® Calculus AB <b>(DC)</b> .....	11/12	66
___ 434-435	AP® Calculus BC.....	12	66
___ 436-437	AP® Statistics.....	11/12	67

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## SCHOOL TO CAREER

		GRADE	PG.
___ 1001-1002	Internship.....	11/12	69
___ 1003-1004	Student Leader Mentor.....	9*/10*/11*/12*	69
___ 1090-1091	Youth Appr. - Year 1.....	11/12	69
___ 1092-1093	Youth Appr. - Year 2.....	12	69

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## SCIENCE

		GRADE	PG.
___ 315-316	Integrated Science 9.....	9	71
___ 323-324	Earth & Space Science.....	10/11/12	71
___ 330-331	Biology.....	10/11/12	71
___ 332-333	Advanced Biology.....	11/12	71
___ 340-341	Chemistry <b>(DC)</b> .....	10/11/12	72
___ 344-345	AP® Chemistry Lab.....	11/12	72
___ 346-347	AP® Chemistry.....	11/12	72
___ 350-351	AP® Physics 1.....	10/11/12	72
___ 352-353	AP® Physics 2.....	11/12	72
___ 354-355	AP® Environ. Science.....	11/12	73
___ 903-904	Body, Struct. & Func. <b>(DC)</b> .....	11/12	73

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## SOCIAL STUDIES

		GRADE	PG.
___ 222	Social Studies Survey.....	9	75
___ 223	U.S. History 9.....	9	75
___ 224	World History.....	10/11/12	75
___ 232	Modern U.S. History.....	10	75
___ 234	Government.....	10*/11/12	76
___ 236-237	AP® U.S. History.....	11/12	76
___ 238	Historical Media.....	11/12	76
___ 250-251	Intro. Diversity Stud. <b>(DC)</b> .....	11/12	76
___ 252	Global Conflict.....	11/12	76
___ 255	Intro. to Economics.....	11/12	76
___ 256-257	AP® Microeconomics.....	11/12	77
___ 258-259	AP® Macroeconomics.....	11/12	77
___ 262-263	Intro. to Sociology <b>(DC)</b> .....	11/12	77
___ 265	Current Issues in Psych.....	11/12	77
___ 266-267	Intro. to Psychology <b>(DC)</b> .....	11/12	78

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## TRANSPORTATION

		GRADE	PG.
___ 945	Traffic Safety.....	9/10/11/12	81
___ 946	Aviation Online Private Pilot Prep.....	11/12	81

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## WORLD LANGUAGES

		GRADE	PG.
___ 550-551	Spanish 1.....	9/10/11/12	83
___ 560-561	Spanish 2.....	9/10/11/12	83
___ 570-571	Spanish 3.....	10/11/12	83
___ 580-581	Spanish 4.....	11/12	83
___ 590-591	Spanish 5.....	12	83

\* = Requires Instructor Consent  
**(DC)** = Dual Credit Course