

Niles Senior High School

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Career Pathway Program of Studies

Administrative Building
111 Spruce Street
Niles, MI 49120

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1441 Eagle Street
Niles, MI 49120

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GRADUATION REQUIREMENTS



SUBJECT

CAREER FOCUSED

English	4 credits
Math	4 credits
Science	3 credits
Social Studies	3 credits

Health/P.E.	1 credit
Visual/Performing Arts	1 credit

***GRADUATION CREDITS 29 CREDITS**

***OPEN CREDITS 3 CREDITS**

There are a total of 16 state required credits leaving 16 credits available out of the 32 available. The available credits will be earned in four areas: 4 credits in career core, 8 credits in elective credits, 1 credit in Freshman Connection/Learning Lab, 3 Open credits for "Skills" or "Lab" classes.

- * Graduation requirements apply to 2011 and later. The classes of 2008, 2009, and 2010 should see their counselor about graduation requirements.
- ** 1 credit online experience will be met in Social Studies via Viking Net.
- *** Successful completion of 2 years of the same world language will count as 1 career core elective.
- **** All students must take the MME to graduate.

Grade Level Requirements

The following credits must be attained to achieve class status.

Sophomore	7 credits
Junior	15 credits
Senior	21.5 credits

Report Cards

Report cards are issued at the end of each nine week grading period.

Honor Roll

The honor roll is published at the end of each semester.

To qualify a student must attain a 3.0 G.P.A. for the semester.



Career Pathway Definitions - Six Career Pathways

Arts and Communication:

Careers in this path are related to humanities and performing, visual, literary and media arts. These include architecture; graphic, interior, and fashion design; writing; film; fine arts; journalism; language; media; advertising; and public relations.

Business, Management, Marketing and Technology:

Careers in this path are related to the business environment. These include entrepreneurship; sales, marketing, computer/information systems, finance, accounting, personnel, economics, and management.

Engineering/Manufacturing and Industrial Technology:

Careers in this path are related to technologies necessary to design, develop, install, and maintain physical systems. These include engineering, manufacturing, construction, service, and related technologies.

Health Service:

Careers in this path are related to the promotion of health and treatment of disease. These include research, prevention, treatment, and related health technologies.

Human Services:

Careers in this path are related to economic, political and social systems. These include education, government, law and law enforcement, leisure and recreation, military, religion, child care, social services, and personal services.

Natural Resources and Agriscience:

Careers in this path are related to agriculture, the environment and natural resources. These include agricultural sciences, earth sciences, environmental sciences, fisheries, forestry, horticulture, and wildlife.

NHS - Career Planning Opportunities/Counseling

Grade School Based Activities

Connecting Activities

Work Based Activities

9.	EDP update Career Declaration Career Cruising Career Pathways CEI Interest Inventory	Career Speakers Career Videos Career Information Clubs	Job Shadowing Job Shadowing
10.	EDP/4yr plan update Career Declaration PLAN Career Core PSAT (optional)	Career Speakers Career Videos Career Information Clubs	Job Shadowing
11.	EDP/4yr plan update Career Declaration SAT (optional) College Night Career Cruising (optional) PSAT (optional) ACT	Career Speakers Career Videos Career Information Viking Career Room Clubs	School-to-Career
12.	ACT/SAT (optional) Financial Aide Workshop (optional) College Night	Career Speakers Career Videos Career Information Portfolio Assessment	School-to-Career



SCHOOL-TO-CAREER OPPORTUNITIES

APPRENTICESHIP, Semester/Year, .5 - 4 Cr.

Grade 12

A relationship between an employer and an employee during which the worker or apprentice learns a trade. The training lasts a specific length of time. An apprenticeship covers all aspects of the trade and includes both on the job training and related instruction.

CO-OPERATIVE EDUCATION, Semester/Year, .5 - 4 Cr.

Grades 11, 12

A method of instruction that combines work-related learning experiences available in the community with instruction provided in an educational institution.

INTERNSHIP, Semester/Year, .5 - 4 Cr.

Grades 11, 12

A period of time spent in business, industry or other agency for the purpose of providing student with opportunities to gain insight and direct experience related to one or more functions of the organization. Internship gives a student paid or unpaid work experience in a career field of study. Unpaid internships usually give school credit.



Arts & Communication: Occupations

Fine & Performing Arts

Accompanist	Accompanist
Actor/Actress	Actor/Actress
Artist	Art Director
Asst. Director	Artist
Asst. Producer	Band/Orchestra Member
Band/Orchestra Member	Choreographer
Furniture Designer	Chorus Member
Cartoonist	Composer
Choreographer	Dancer
Chorus Member	Director
Composer	Historian
Dancer	Interior Designer
Disc Jockey	Lighting Director
Fashion Designer	Musician
Illustrator	Painter
Light Technician	Producer
Model	Sculptor
Musician	Set Designer
Painter	Vocal Performer
Sculptor	
Set Decorator	
Theatre Technician	
Vocal Performer	

Journalism

Assistant Newswriter
Assistant Production Manager
Assistant Writer/Editor
Journalism Technician
Layout Planner
Technical Writer

Author
Columnist
Editor
Media Announcer
Newspaper Reporter
Production Manager
Publisher
Radio/TV Broadcaster
Technical Writer
Writer

Graphic Arts

Desktop Publishing	Computer Animator
Graphic Artist	Customer Service Representative
In-Plant Printing	Desktop Publisher
Layout Artist	Graphic Art Educator
Printing Press Operator	Graphic Designer
Quick Printing	In-plant Graphic Artist
Screen Printing	Photographer
	Point-of-Purchase Display Artist
	Pre-press Supervisor
	Print Shop Manager
	Web Master



Arts & Communication

Graphic Communication

9 Freshman Year	
___ English 9	1
___ Math __Algebra __Geometry	1
___ U.S. History	1
___ Biology	1
___ Freshman Connection	1
___ .5 P.E. __ .5 Health	1
___ Elective _____	1
___ Elective _____	1

10 Sophomore Year	
___ English 10	1
___ Chemistry	1
___ Math __Geometry __Algebra 2	1
___ Social Studies	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1

11 Junior Year	
___ English	1
___ Math __Algebra 2 __PreCalc__?	1
___ Science	1
___ Social Studies	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1

12 Senior Year	
___ English	1
___ Math	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1

Career Core (4 credits)
Intro to Graphic Communications Digital Multimedia Productions Digital Web/Graphics Publishing Digital Imaging

Career Electives
Andrew's Graphics Select I * Andrew's Graphics Select II * CAD I Marketing I BMT-Business Management Technology Drawing I S-T-C /Co-op * Andrews class must have instructor/CTE approval

Arts & Communication

Journalism

9	Freshman Year	
___	English 9	1
___	Math __Algebra __Geometry	1
___	U.S. History	1
___	Biology	1
___	Freshman Connection	1
___	__.5 P.E. __.5 Health	1
___	Elective _____	1
___	Elective _____	1

10	Sophomore Year	
___	English 10	1
___	Chemistry	1
___	Math __Geometry __Algebra 2	1
___	Social Studies	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1

11	Junior Year	
___	English	1
___	Math __Algebra 2 __PreCalc__?	1
___	Science	1
___	Social Studies	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1

12	Senior Year	
___	English	1
___	Math	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1

Career Core (4 credits)

Writing for Publication

Career Electives

Creative Writing
 Psychology
 Sociology
 Public Speaking
 Yearbook
 College Writing
 Intro to Graphic Communications

Arts & Communication

Fine Arts

9 Freshman Year	
___ English 9	1
___ Math __Algebra __Geometry	1
___ U.S. History	1
___ Biology	1
___ Freshman Connection	1
___ .5 P.E. __ .5 Health	1
___ Elective _____	1
___ Elective _____	1

10 Sophomore Year	
___ English 10	1
___ Chemistry	1
___ Math __Geometry __Algebra 2	1
___ Social Studies	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1

11 Junior Year	
___ English	1
___ Math __Algebra 2 __PreCalc__?	1
___ Science	1
___ Social Studies	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1

12 Senior Year	
___ English	1
___ Math	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1

Career Core (4 credits)
Ceramics I, II, III, IV
Ceramics Studio
Drawing I, II, III, IV
Drawing Studio

Career Electives
Psychology
Sociology
BMT-Business Management Technology
Intro to Graphics Communications

Arts & Communication

Performing Arts

9	Freshman Year	
___	English 9	1
___	Math __Algebra __Geometry	1
___	U.S. History	1
___	Biology	1
___	Freshman Connection	1
___	__.5 P.E. __.5 Health	1
___	Elective _____	1
___	Elective _____	1

10	Sophomore Year	
___	English 10	1
___	Chemistry	1
___	Math __Geometry __Algebra 2	1
___	Social Studies	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1

11	Junior Year	
___	English	1
___	Math __Algebra 2 __PreCalc__?	1
___	Science	1
___	Social Studies	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1

12	Senior Year	
___	English	1
___	Math	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1

Career Core (4 credits)	
Women's Choir	Concert Band
Concert Choir	Symphonic Band
A Cappella Singers	Jazz Band
Counterpoints	
Bass Guitar	

Career Electives
Psychology
Sociology
Public Speaking
Shakespeare
Theatre

Business, Management, Marketing & Technology: Occupations

Marketing

Advertising Agent
 Art Director
 Assistant Buyer
 Asst. Distribution Manager
 Asst. Public Relations Officer
 Asst. Sales Manager
 Automobile Sales Manager
 Business Manager
 Claims Manager
 Copywriter
 Department Manager
 Entrepreneur
 Insurance Adjuster
 Insurance Agent
 Marketing Research Specialist
 Media Buyer
 Merchandise Displayer
 Project Director
 Real Estate Appraiser
 Real Estate Agent
 Small Business Mgr.
 Tele-Marketing
 Trade Show

Account Executive
 Advertising Director
 Agency Manager
 Automobile Dealer
 Bank Manager
 Corporate Manager
 Credit Union Manager
 Wholesale Manager
 Distribution Manager
 Entrepreneur
 Foods Manager
 Insurance Risk Manager
 International Manager
 Lobbyist/Public Relations
 Manager
 Manuf.. Representative
 Purchasing Agent/Buyer
 Real Estate Broker
 Retail Manager
 Sales Manager
 Small Business Owner
 Tele-Marketing Mgr.

Accounting

Assistant Accountant
 Bank Teller
 Bookkeeper
 Credit Analyst
 Loan Officer
 Accountant
 Analysis Consultant
 Auditor
 Budget Analysis
 Buyer
 Certified Managerial Accountant
 Certified Public Accountant
 Comptroller
 Financial Analyst
 Hotel Manager
 Loan Officer
 Management
 Purchaser
 Stock Broker

Office Technologies

Bank Teller
 Billing Clerk
 Court Reporter
 Credit Clerk
 Executive Assistant
 Executive Secretary
 General Office Clerk
 Hotel Clerk
 Information Clerk
 Legal Secretary
 Medical Secretary
 Para Legal
 Receiving Clerk
 Receptionist
 Secretary
 Shipping Clerk
 Work Processing Specialist

Computer Information System

Computer Operator
 Computer & Office Machine Repair
 Computer Science Technician
 Data Entry Technician
 Data Processing
 Microcomputer Applications Clerk

Computer Programmer
 Data Processing Supervisor
 Systems Analyst
 Systems Designer

Administrative Assistant
 Administrative Service
 Manager
 Business Manager
 Clerical Supervisor
 Data Processing Manager



Business, Management, Marketing & Technology

Marketing

9 Freshman Year	
___ English 9	1
___ Math __Algebra __Geometry	1
___ U.S. History	1
___ Biology	1
___ Freshman Connection	1
___ .5 P.E. __ .5 Health	1
___ Elective _____	1
___ Elective _____	1

10 Sophomore Year	
___ English 10	1
___ Chemistry	1
___ Math __Geometry __Algebra 2	1
___ Social Studies	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1

11 Junior Year	
___ English	1
___ Math __Algebra 2 __PreCalc__?	1
___ Science	1
___ Social Studies	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1

12 Senior Year	
___ English	1
___ Math	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1

Career Core (4 credits)
Marketing I
Marketing II
Marketing III
Store Operations

Career Electives
Business Principles
Business Law/Personal Finance
Accounting I, II, III
Hospitality
Intro to Graphic Communications
BMT-Business Management Technology
S-T-C/Co-op

Business, Management, Marketing & Technology

BMMT - Finance/Accounting

9 Freshman Year	
___ English 9	1
___ Math __Algebra __Geometry	1
___ U.S. History	1
___ Biology	1
___ Freshman Connection	1
___ .5 P.E. __ .5 Health	1
___ Elective _____	1
___ Elective _____	1

10 Sophomore Year	
___ English 10	1
___ Chemistry	1
___ Math __Geometry __Algebra 2	1
___ Social Studies	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1

11 Junior Year	
___ English	1
___ Math __Algebra 2 __PreCalc__?	1
___ Science	1
___ Social Studies	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1

12 Senior Year	
___ English	1
___ Math	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1

Career Core (4 credits)
Accounting I
Accounting II
Accounting III
Recordkeeping

Career Electives
Algebra I
Probability & Statistics
Personal Finance
Business Law
Marketing I
S-T-C/Co-op

Business, Management, Marketing & Technology

BMMT - Office Technology

9 Freshman Year	
___ English 9	1
___ Math __Algebra __Geometry	1
___ U.S. History	1
___ Biology	1
___ Freshman Connection	1
___ .5 P.E. __ .5 Health	1
___ Elective _____	1
___ Elective _____	1

10 Sophomore Year	
___ English 10	1
___ Chemistry	1
___ Math __Geometry __Algebra 2	1
___ Social Studies	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1

11 Junior Year	
___ English	1
___ Math __Algebra 2 __PreCalc__?	1
___ Science	1
___ Social Studies	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1

12 Senior Year	
___ English	1
___ Math	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1

Career Core (4 credits)
BMT - Business Management Technology Accounting I Computer Presentations

Career Electives
Recordkeeping Marketing I Desktop Publishing Business Law Personal Finance Business Principles S-T-C/Co-op

Business, Management, Marketing & Technology

Computer Information Systems

9	Freshman Year	
___	English 9	1
___	Math __Algebra __Geometry	1
___	U.S. History	1
___	Biology	1
___	Freshman Connection	1
___	__.5 P.E. __.5 Health	1
___	Elective _____	1
___	Elective _____	1

10	Sophomore Year	
___	English 10	1
___	Chemistry	1
___	Math __Geometry __Algebra 2	1
___	Social Studies	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1

11	Junior Year	
___	English	1
___	Math __Algebra 2 __PreCalc__?	1
___	Science	1
___	Social Studies	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1

12	Senior Year	
___	English	1
___	Math	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1

Career Core (4 credits)

CISCO Networking Academy

Career Electives

BMT-Business Management Technology

BMT-Computer/Multimedia Presentations

BMT-Desktop Publishing

Intro to Graphic Communications

Digital Multimedia Productions

Digital Web/Graphics Publishing

Digital Imaging

Engineering/Manufacturing and Industrial Technology: Occupations

Building Construction

Assistant Builder
Asst. Building Superintendent
Brick/Cement Mason
Building Contractor
Carpenter
Energy Technician
Estimator
Furniture Maker
Millwork
Painter/Finisher
Paper Hanger
Plaster/Dry Wall Installer
Plumber
Structural Steel Worker
Surveyor's Helper
Tile/Floor Installer

Builder
Building Contractor
Building Inspector
Building Superintendent
Estimator
Scheduler

Actuary
Agricultural Economist
Applied Mathematics
Artificial Intelligence
Computer Scientist
Market Research Analyst
Mathematician
Network Engineer/Analyst
Operations Research Analyst
Physicist
Rate Analyst
Social Scientist
Sociologist
Statistician
Urban Planner

Drafting and Design Technology

Apprentice Machine Designer
Architectural Drafter
Computer-Aided Design Operator
Machine Designer
Mold Designer
Tool & Die Designer

Architect
Design Engineer
Landscape Architect

Transportation and Automotive

Aeronautical Technician
Aircraft Mechanic
Airplane Pilot-Licensed
Auto Body Technician
Auto Mechanic
Bus/Taxi/Limo Driver
Collision Estimator
Flight Engineer
Heavy Equip/Truck/Bus
Mechanic
Marine Mechanic
Motorcycle Mechanic
Railroad Engineer
Truck Driver

Aircraft Pilot-Commercial
Auto Body Owner/Mgr.
Auto Mechanic Master
Auto Service Manager
Automotive Engineer
Aviation Maintenance Manager
Flight Engineer-Commercial
Trucking Fleet Manager

Manufacturing Technology

Automated Equipment Tech.
Automated Systems Programmer
Computer Numeric Control
Indust. Main. Mechanic Apprentice
Industrial Welder
Machine Builder Apprentice
Machine Maintenance Tech
Machine Repairer Apprentice
Mechanical Technician
Model Maker
Plastics Technician
Precision Machinist
Quality Control Technician
Tool & Die Maker

Aeronautical Engineer
Agricultural Engineer
Chemical Engineer
Die/Mold Engineer
Industrial Engineer
Mechanical Engineer
Nuclear Engineer
Plastics Engineer
Production Technology Mgr.
Quality Control Engineer

Electricity and Electronic

Aircraft Electronics Technician
Audio and Sound Specialist
Audio Service Technician
Automated Equipment Technician
Biomedical Technician
Broadcast Technician
Camera Operator
Computer Technician
Digital Computer Technician
Electrical Appliance Repair
Electrical Engineering Technician
Electrical Technician
Electrician
Electronics Instructor
Electronics Technician
Guided Missile Technician
Industrial Elect. Apprentice
Marine Electronics Specialist
Photo-Optics Technician
Quality Control Technician
Sound Technician
Video/Radio/TV Technician

Acoustical Engineer
Aeronautical Engineer
Biomedical Engineer
Circuit Engineer
Communications Engineer
Computer Division Manager
Computer Science Engineer
Consulting Engineer
Control Engineer
Electrical Engineer
Electronics Engineer
Electronics Engineer Technician
Electronics Manager
Electrician
Engineering Education
Environmental Engineer
Field Service Engineer
Fire Protection Engineer
Illuminating Engineer
Mechanical Engineer
Nuclear Engineer
Physicist
Radio Engineer
Sound Director



Engineering/Manufacturing and Industrial Technology

Building Trades

9	Freshman Year	
___	English 9	1
___	Math __Algebra __Geometry	1
___	U.S. History	1
___	Biology	1
___	Freshman Connection	1
___	.5 P.E. __.5 Health	1
___	Elective _____	1
___	Elective _____	1

10	Sophomore Year	
___	English 10	1
___	Chemistry	1
___	Math __Geometry __Algebra 2	1
___	Social Studies	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1

11	Junior Year	
___	English	1
___	Math __Algebra 2 __PreCalc__?	1
___	Science	1
___	Social Studies	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1

12	Senior Year	
___	English	1
___	Math	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1

Career Core (4 credits)

Construction Trades

Career Electives

Geometry
 Algebra
 Architectural Drafting
 Architectural Construction
 Manufacturing Technology
 S-T-C/Co-op

Engineering/Manufacturing and Industrial Technology

Automotive Technology

9	Freshman Year	
___	English 9	1
___	Math __Algebra __Geometry	1
___	U.S. History	1
___	Biology	1
___	Freshman Connection	1
___	__.5 P.E. __.5 Health	1
___	Elective _____	1
___	Elective _____	1

10	Sophomore Year	
___	English 10	1
___	Chemistry	1
___	Math __Geometry __Algebra 2	1
___	Social Studies	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1

11	Junior Year	
___	English	1
___	Math __Algebra 2 __PreCalc__?	1
___	Science	1
___	Social Studies	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1

12	Senior Year	
___	English	1
___	Math	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1

Career Core (4 credits)
Auto I Auto II Auto III

Career Electives
CADD I Intro to Electricity/Electronics Manufacturing Technology S-T-C/Co-op

Engineering/Manufacturing and Industrial Technology

Manufacturing Technology

9 Freshman Year	
___ English 9	1
___ Math __Algebra __Geometry	1
___ U.S. History	1
___ Biology	1
___ Freshman Connection	1
___ .5 P.E. ___ .5 Health	1
___ Elective _____	1
___ Elective _____	1

10 Sophomore Year	
___ English 10	1
___ Chemistry	1
___ Math __Geometry __Algebra 2	1
___ Social Studies	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1

11 Junior Year	
___ English	1
___ Math __Algebra 2 __PreCalc__?	1
___ Science	1
___ Social Studies	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1

12 Senior Year	
___ English	1
___ Math	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1

Career Core (4 credits)
Manufacturing Technology Machine Tool Technology CADD I

Career Electives
Auto I Auto II Electronics I S-T-C/Co-op

Engineering/Manufacturing and Industrial Technology

Drafting/CAD

9 Freshman Year	
___ English 9	1
___ Math __Algebra __Geometry	1
___ U.S. History	1
___ Biology	1
___ Freshman Connection	1
___ .5 P.E. __.5 Health	1
___ Elective _____	1
___ Elective _____	1

10 Sophomore Year	
___ English 10	1
___ Chemistry	1
___ Math __Geometry __Algebra 2	1
___ Social Studies	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1

11 Junior Year	
___ English	1
___ Math __Algebra 2 __PreCalc__?	1
___ Science	1
___ Social Studies	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1

12 Senior Year	
___ English	1
___ Math	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1

Career Core (4 credits)
CADD I Architectural Drafting Manufacturing Technology

Career Electives
Advanced CADD II Architecture Construction Auto I Construction Trades S-T-C/Co-op

Engineering/Manufacturing and Industrial Technology

Electronics

9	Freshman Year	
___	English 9	1
___	Math __Algebra __Geometry	1
___	U.S. History	1
___	Biology	1
___	Freshman Connection	1
___	__.5 P.E. __.5 Health	1
___	Elective _____	1
___	Elective _____	1

10	Sophomore Year	
___	English 10	1
___	Chemistry	1
___	Math __Geometry __Algebra 2	1
___	Social Studies	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1

11	Junior Year	
___	English	1
___	Math __Algebra 2 __PreCalc__?	1
___	Science	1
___	Social Studies	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1

12	Senior Year	
___	English	1
___	Math	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1

Career Core (4 credits)
Introduction to Electricity/Electronics Electronics I/DC Electronics II/AC Electronics III Comm/Industrial Electronics

Career Electives
Intro to Robotics Engineering Problem Solving S-T-C/Co-op

Engineering/Manufacturing and Industrial Technology

Transportation

9	Freshman Year	
___	English 9	1
___	Math __Algebra __Geometry	1
___	U.S. History	1
___	Biology	1
___	Freshman Connection	1
___	.5 P.E. __.5 Health	1
___	Elective _____	1
___	Elective _____	1

10	Sophomore Year	
___	English 10	1
___	Chemistry	1
___	Math __Geometry __Algebra 2	1
___	Social Studies	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1

11	Junior Year	
___	English	1
___	Math __Algebra 2 __PreCalc__?	1
___	Science	1
___	Social Studies	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1

12	Senior Year	
___	English	1
___	Math	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1

Career Core (4 credits)
Introduction to Electricity/Electronics
Machine Tool Technology
Manufacturing Technology
Introduction to Robotics
Engineering Problem Solving
CADD I-(Computer Aided Drafting & Designing)

Career Electives
BMT-Business Management Technology
S-T-C/Co-op

Health Services: Occupations

Health Occupations

Certified Nursing Asst.
Dental Hygienist
Dental Laboratory Tech
Dietary Technician
Emergency Medical Tech. (EMT)
Fitness Coach
Hearing Testing Technician
Medical Laboratory Tech
Nuclear Medicine Tech
Nurse (LPN)
Occupational Therapy Asst.
Optometric Technician
Pharmacy Technician
Physical Therapy Asst.
Radiologic Technologist
Ultrasound Technologist
Veterinary Technician

Audiologist
Caseworker
Dietician/Nutritionist
Medical Technologist
Occupational Therapist
Pharmacist
Physical Therapist
Radiologist Nurse
Registered Nurse
Social Worker
Speech Pathologist
Sports Medicine Therapist

Chiropractor
Dentist
Dermatologist
Internist
Microbiologist
Ophthalmologist
Pediatrician
Physician
Psychiatrist
Surgeon
Veterinarian



Health Services

Health Careers

9 Freshman Year	
___ English 9	1
___ Math __Algebra __Geometry	1
___ U.S. History	1
___ Biology	1
___ Freshman Connection	1
___ .5 P.E. __ .5 Health	1
___ Elective _____	1
___ Elective _____	1

10 Sophomore Year	
___ English 10	1
___ Chemistry	1
___ Math __Geometry __Algebra 2	1
___ Social Studies	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1

11 Junior Year	
___ English	1
___ Math __Algebra 2 __PreCalc__?	1
___ Science	1
___ Social Studies	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1

12 Senior Year	
___ English	1
___ Math	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1

Career Core (4 credits)
Professional Health Careers Academy
Allied Health
Pharmacy Technician
Pre-Veterinary Science
Emergency Medical Technician
Dental Assistant

Career Electives
Human Anatomy & Physiology
Biology
Life Wellness
Advanced Health
S-T-C/Co-op

Human Services: Occupations

Fire Science

Firefighter
Fire Investigator

Law Enforcement

Corrections/Probation/Parole Officer
FBI
Lawyer/Judge
Officer/Police Chief
Private Detective
Security Director
Sheriff/Detective
State Police Commander

Hospitality and Food Services

Asst. Conference Manager
Asst. Hotel/Motel Manager
Baker
Bartender
Butcher
Card Dealer
Cashier
Chef
Cook
Flight Attendant
Front Desk Manager
Special Events Director
Tourism Assistant
Travel Agent
Wait Staff

Concierge
Conference Manager
Convention Director
Cruise/Tour Director
Executive Chef
Food Services Manager
Home Economist
Hotel/Motel Manager
Special Events Coordinator
Tourism Director

Teaching Occupations

Elementary Education Teaching Assistant
Library Assistant
Paraprofessional
Secondary Education Teaching Assistant
Teaching Assistant

College Instructor/Professor
Counselor/ Social Worker
Elementary Teacher (K-6)
Librarian
Secondary Teaching (7-12)
Special Education Teacher (K-12)

Child/Adult Care

Child Care/Nursery Attendant
Cosmetologist/Barber
Day Care Assistant
Day Care Director
Home Care Attendant
Nursing Home Worker
Pre-School Aide
Recreational Technician
Social Services Worker

Caseworker
Child Care Administrator
Early Childhood Educator
Nursing Home Administrator
Preschool Teacher
Recreational Supervisor
Social Worker



Human Services

Child/Adult Care

9 Freshman Year	
___ English 9	1
___ Math __Algebra __Geometry	1
___ U.S. History	1
___ Biology	1
___ Freshman Connection	1
___ .5 P.E. __ .5 Health	1
___ Elective _____	1
___ Elective _____	1

10 Sophomore Year	
___ English 10	1
___ Chemistry	1
___ Math __Geometry __Algebra 2	1
___ Social Studies	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1

11 Junior Year	
___ English	1
___ Math __Algebra 2 __PreCalc__?	1
___ Science	1
___ Social Studies	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1

12 Senior Year	
___ English	1
___ Math	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1

Career Core (4 credits)
Child Developmnet & Parenting
Family Living
Cadet Teaching

Career Electives
BMT-Business Management Technology
Marketing I
Intro to Graphic Communications
Business Principles
Psychology
Sociology
Recordkeeping
S-T-C/Co-op

Human Services

Hospitality & Food Services

9	Freshman Year	
___	English 9	1
___	Math __Algebra __Geometry	1
___	U.S. History	1
___	Biology	1
___	Freshman Connection	1
___	__.5 P.E. __.5 Health	1
___	Elective _____	1
___	Elective _____	1

10	Sophomore Year	
___	English 10	1
___	Chemistry	1
___	Math __Geometry __Algebra 2	1
___	Social Studies	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1

11	Junior Year	
___	English	1
___	Math __Algebra 2 __PreCalc__?	1
___	Science	1
___	Social Studies	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1

12	Senior Year	
___	English	1
___	Math	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1

Career Core (4 credits)
Hospitality & Food Service I Hospitality & Food Service II Hospitality & Food Service III Buchanan's Chef Program

Career Electives
Marketing I BMT-Business Management Technology Business Principles Intro to Graphic Communications S-T-C/Co-op

Human Services

Fire Science

9 Freshman Year	
___ English 9	1
___ Math __Algebra __Geometry	1
___ U.S. History	1
___ Biology	1
___ Freshman Connection	1
___ .5 P.E. ___ .5 Health	1
___ Elective _____	1
___ Elective _____	1

10 Sophomore Year	
___ English 10	1
___ Chemistry	1
___ Math __Geometry __Algebra 2	1
___ Social Studies	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1

11 Junior Year	
___ English	1
___ Math __Algebra 2 __PreCalc__?	1
___ Science	1
___ Social Studies	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1

12 Senior Year	
___ English	1
___ Math	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1

Career Core (4 credits)

Fire Fighter I/II

Career Electives

Sociology
 Psychology
 Law
 Public Speaking
 Chemistry
 Advanced Health
 BMT-Business Management Technology

Human Services

Law Enforcement

9	Freshman Year	
___	English 9	1
___	Math __Algebra __Geometry	1
___	U.S. History	1
___	Biology	1
___	Freshman Connection	1
___	__.5 P.E. __.5 Health	1
___	Elective _____	1
___	Elective _____	1

10	Sophomore Year	
___	English 10	1
___	Chemistry	1
___	Math __Geometry __Algebra 2	1
___	Social Studies	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1

11	Junior Year	
___	English	1
___	Math __Algebra 2 __PreCalc__?	1
___	Science	1
___	Social Studies	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1

12	Senior Year	
___	English	1
___	Math	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1

Career Core (4 credits)

Introduction to Criminal Justice

Career Electives

Sociology

Psychology

Law

Critical Issues

Public Speaking

Advanced Health

BMT-Business Management Technology

Human Services

Teaching Occupations

9	Freshman Year	
___	English 9	1
___	Math __Algebra __Geometry	1
___	U.S. History	1
___	Biology	1
___	Freshman Connection	1
___	.5 P.E. __.5 Health	1
___	Elective _____	1
___	Elective _____	1

10	Sophomore Year	
___	English 10	1
___	Chemistry	1
___	Math __Geometry __Algebra 2	1
___	Social Studies	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1

11	Junior Year	
___	English	1
___	Math __Algebra 2 __PreCalc__?	1
___	Science	1
___	Social Studies	1
___	Psychology _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1

12	Senior Year	
___	English	1
___	Math	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1
___	Elective _____	1

Career Core (4 credits)

Teaching Academy

Career Electives

Cadet Teaching

Sociology

Public Speaking

Advanced Health

Parenting and Child Development

BMT-Business Management Technology

BMT-Desktop Publishing

Natural Resources and Agriscience: Occupations

Agriscience

Agricultural Technician
Ag. Chemical Technician
Asst. Farm Manager
Fish and Wildlife Worker
Fishery Technician
Floral Designer
Forestry Technician
Grounds Keeper
Horticultural Technician
Landscape Design Technician
Landscape Gardener



Agricultural Extension Agent
Agricultural Scientist
Conservation Officer
Coop Extension Service Worker
Farm Manager
Fish and Wildlife Specialist
Forester
Gardens Manager
Limnologist
Naturalist
Park Manager
Soil Conservationist



Natural Resources and Agriscience

Agriscience

9 Freshman Year	
___ English 9	1
___ Math __Algebra __Geometry	1
___ U.S. History	1
___ Biology	1
___ Freshman Connection	1
___ .5 P.E. __ .5 Health	1
___ Elective _____	1
___ Elective _____	1

10 Sophomore Year	
___ English 10	1
___ Chemistry	1
___ Math __Geometry __Algebra 2	1
___ Social Studies	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1

11 Junior Year	
___ English	1
___ Math __Algebra 2 __PreCalc__?	1
___ Science	1
___ Social Studies	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1

12 Senior Year	
___ English	1
___ Math	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1
___ Elective _____	1

Career Core (4 credits)
Botany/Ecology
Chemistry
Zoology
Environmental Science

Career Electives
BMT-Business Services Technology
Astronomy
Physics
Chemistry II
Discrete Math
Human Anatomy & Physiology



NILES

CAREER/TECHNICAL EDUCATION DEPARTMENT

Certification and Early College Credit Options

Providing Relevance and Early College Credit Options



National certification and/or early college credit before graduation are available to your student through our Career Technical Education Department.

With the cost of college credit rising each year, obtaining college credit/certification while still in high school at a reduced rate becomes very meaningful to our students.

All courses are offered at Niles High School or through our shared-time consortium. By enrolling in one of the following CTE programs, college credit is included in the curriculum.

The partnership between Lake Michigan College, Southwestern Michigan College, and Andrews University is the cornerstone of our department's direct credit options.

Following are the many opportunities available to your student.

CERTIFICATION OPTIONS

Program

Certification

Cosmetology

Twin City Beauty College

Premier Beauty College

Vogue Beauty College

Cosmetology Certification

Allied Health Academy

Lakeland Health System

CENA Certification

Pharmacy Program

Southwestern Michigan College

Pharmacy Tech Certification

Cisco Program

Buchanan High School

CCNA Certification

Auto Technology

Niles High School

NATEF Certification

Fire Fighting I & II

Berrien Springs High School

Fire Fighting I & II Certification

Emergency Medical Tech

Berrien Springs High School

EMT Certification

COLLEGE DIRECT CREDIT OPTIONS

Allied Health - Lake Michigan College

College Course #	Course Description	Credit Hours
HEAL 120	Health and Health Occupations	2
HEAL 165	Standard First Aid and Personal Safety	1.5
HEAL 166	CPR/AED	1
HEAL 110	Medical Terminology	1

Aviation - Andrews University

College Course #	Course Description	Credit Hours
AFLT 104	Intro to Aviation	4
AFLT 115	Private Pilot Ground School	4

Business Accounting - Lake Michigan College

College Course #	Course Description	Credit Hours
BUSA 101	Business Accounting I	3

Business Accounting - Southwestern Michigan College

College Course #	Course Description	Credit Hours
ACCO 201	Prin of Acct I	4
ACCO 202	Prin of Acct II	4
ACCO 204	Microcomputer/Acct Applications	3

Computer Science - Andrews University

College Course #	Course Description	Credit Hours
CPTR 125	Intro to Computer Programming	3
CPTR 151	Computer Science I	3

Digital Multimedia - Andrews University

College Course #	Course Description	Credit Hours
GDME 130	Intro to Digital Graphics	3
*DGME 335	Web Animation	4
DGME 175	Digital Imaging	4
PHTO 115	Intro to Film Photography	4
*DGME 225	Digital Vector Graphics	4

Drafting/Design - Lake Michigan College

College Course #	Course Description	Credit Hours
ENGR 103	Beginning Engineering Drawing	4

Electricity/Electronics - Lake Michigan College

College Course #	Course Description	Credit Hours
ELEC 100	DC Electricity	4
ELEC 106	AC Electricity	3

* Restricted to Niles Community Schools Students pursuing a Media Technology minor.

Engineering - Andrews University

College Course #	Course Description	Credit Hours
ENGR 120	Intro to Engineering	2
CPTR 125	Intro to Computer Graphics	2
ENGR 180	Materials Science	4

Horticulture - Andrews University

College Course #	Course Description	Credit Hours
HORT 135	Landscape Drafting & Design	4
HORT 350	History of Landscape Design	5

Intro To Dental Assisting - Lake Michigan College

College Course #	Course Description	Credit Hours
DENT 165	Intro to Dental Assisting	3
DENT 167	Chairside II	3

Law Enforcement Academy - Lake Michigan College

College Course #	Course Description	Credit Hours
LAWE 140	Intro to Criminal Justice	3

Machine Tool Academy - Lake Michigan College

College Course #	Course Description	Credit Hours
MACH 110	Machine Tool I	3
TRIN 138	Industrial Safety	1

Pre-Vet - Andrews University

College Course #	Course Description	Credit Hours
ANSI 114	Intro to Animal Science	3
ANSI 340	Production/Mgmt of: Equine	3
ANSI 340 L	Production/Mgmt of Lamb & Wool Lab	0

Professional Health Careers Academy - LMC/WMU

College Course #	Course Description	Credit Hours
BIOL 108	Human Anatomy	4
CLS 100	Freshmen Seminar	1
HEAL 165	First Aid/Personal Safety	1.5
HEAL 166	BLS/AED	1
HEAL 120	Health Occupations	2
READ 110	Medical Terminology	1

Teaching Academy - Southwestern Michigan College

College Course #	Course Description	Credit Hours
EDUC 215	Human Growth & Development	3

If you have any questions or comments, please call or e-mail kswanson@remc11.k12.mi.us at Niles High School, 269-683-2894.

Niles High School

Course Descriptions

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NILES COMMUNITY SCHOOLS

COURSE DESCRIPTIONS

BUSINESS

613B, 614D Word Processing

1 Semester, .5 credit Grades 9, 10, 11, 12

Prerequisite: Cannot be taken concurrently or after BMT-Business Management Technology

Word processing teaches students to create and format business and personal documents using MS Word. Students explore various functions of the software program. Students will work toward becoming touch typists.

633B, 634D BMT Desktop Publishing

1 Semester, .5 credit Grades 10, 11, 12

Prerequisite: None

Students learn to design high-quality, marketable publications with industry-standard page composition software. Same projects include newsletters, brochures, letterheads, business cards, and on-line materials. Publication design principles and software competency are integral components of this course.

647F BMT Computer Presentations

Full Year, 1 credit Grades: 10, 11, 12

Prerequisite: None

Provides hands-on experience and familiarizes students with specific design and layout techniques and practical applications of presentations, both in business and via the Internet.

669F BMT Business Management Technology

Full Year, 1 credit Grades: 9, 10, 11, 12

Prerequisite: None

Business Management Technology introduces basic concepts of word processing, database, spreadsheets, Internet/E-mail, speech/hand recognition, PDA's and employability skills. It offers hands-on experience in the operation of the specific software packages. Students will work toward becoming touch typists and competent in document production.



619F Recordkeeping

Full Year, 1 credit Grades: 9, 10, 11, 12

Prerequisite: None

This course will cover topics in working with financial forms, banking, budgeting, handling cash, sales, credit, business records and introduction to accounting. Basic math skills will be reinforced as well as analysis of financial data. Subjects included will be: basic recordkeeping skills, budget records, credit reports and cash receipt records checking accounts, petty cash records, recordkeeping for sales, charge sales, accounts receivable, recordkeeping for stock records, purchase orders, accounts payable, businesses financial statements for businesses, and payroll.

635F Accounting I

Full Year, 1 credit Grades 10, 11, 12

Prerequisite: None

Students learn how accounting relates to different careers; learn accounting terminology, concepts, principles, and accounting procedures. Workbooks will also be used to complete basic accounting procedures. Topics covered will be: analyzing transactions, adjusting process, closing process, subsidiary ledgers, accounting for merchandise businesses, inventories, internal control processes, receivables, fixed assets, liabilities and payroll, accounting for partnerships & corporations.

This class is a **direct-credit** class with Southwestern Michigan College for 4 college credits providing all SMC requirements are met. (ACCO 201)

637F Accounting II

Full Year, 1 credit Grades 11, 12

Prerequisite: Accounting I

This class will build on the concepts and procedures learned in Accounting I. Analyzing information and making business decisions based on data will also be stressed. Students will use higher-level thinking skills to chart business decisions. Topics covered will be: corporate structure, stocks, bonds, income taxes, statement of cash flows, financial statement analysis, managerial accounting concepts, job order costing, process cost systems, cost behavior, cost-volume-profit analysis, budgeting, performance evaluation, differential analysis and product pricing, and capital investment analysis.

This class is a **direct-credit** class with Southwestern Michigan College for 4 college credits providing all SMC requirements are met. (ACCO 202)

638F Accounting III

Full Year, 1 credit Grades 11, 12

Prerequisite: Accounting I & II

This class uses the operation of a microcomputer-based accounting system to maintain a general ledger, accounts receivable and payable, inventory, and payrolls as well as preparing computerized financial statements and reports.

This class is a **direct-credit** class with Southwestern Michigan College for 4 college credits providing all SMC requirements are met. (ACCO 204)

639F Marketing I

Full Year, 1 credit Grades 10, 11, 12
Recommended Prerequisite: Business Principles

Marketing I class focuses students on the fundamentals of marketing in the business environment. The nine fundamentals that are covered in this course are promotion, pricing, distribution, risk management, selling, purchasing, product planning and service, marketing information management, and financing. Students taking this course can receive three college credits for the class through Lake Michigan College. Students enrolled in the class are members of the student business organization DECA and are required to compete at the District III competition. Students will also have opportunities for travel and community service.

649F Marketing II

Full Year, 1 credit Grades 11, 12
Prerequisite: Successful completion of Marketing I

Marketing II is an entrepreneurship class that takes the concepts and principles learned in Marketing I and applies them to starting a business of the student's choice. Students enrolled in Marketing II explore their abilities to become business owners while learning how a small business functions and continues in a fluctuating economy. Students are required to write a business plan directed towards a business they would be interested in opening. Business plans will cover start up costs, promotion, site selection, fixed and variable expenses, product selection, legal requirements, taxations, business protection and recordkeeping. Students will present their business plans in May at Lake Michigan College to a panel of judges and receive a overall grade for their presentations and business plans. Students are also, part of the student business organization DECA and are required to compete at least at District III competition. Students will also have opportunities for travel and community services.

659F Marketing III

Full Year, 1 credit Grades 12
Prerequisite: Successful completion of Marketing II

Marketing III is a research-based class using the guidelines for the written competitive events for DECA. This third year marketing class in marketing allows students to choose a topic area from the DECA Competitive Events Guidelines and research that topic working with a business of their choice. Research projects can vary in length from ten to thirty pages. Topics students can choose from are Food Marketing, General Marketing, Financial Services Marketing, Business Services, Entrepreneurship, Advertising, and E-Commerce Business Plan. Students must complete a successful research plan to receive a grade for the course and attend the DECA State Career Development Conference held in March. Students are also members of the student business organization DECA and through this organization will have opportunities for travel and community service.

651F Store Operations

Full Year, 1 credit Grades 11, 12
Prerequisite: Marketing I & II

The Store Operations class allows students to manage and run the school store, the Viking Unlimited. Students taking this class receive experience in customer service, store operations, promotions, inventory, product selection, and management. Students taking Store Operations have previously taken Marketing I and can concurrently take Store Operations with their Marketing II class. Students will also be working on a computer simulation that provides a check

and balance system of making decisions regarding a businesses operation. Students in this class are also members of the student business organization DECA and are required to compete at District III competition.

646D Personal Finance

Semester, .5 credit Grade 11, 12

Prerequisite: None

In this course students learn how to handle personal finances that will affect them in everyday life. Students will cover areas of insurance, investing, banking, such as checking accounts and credit, learn the economic system of free enterprise, taxes, money management, budgeting, and time management skills. Students enrolled in this class have an opportunity of joining Business Professionals of America or DECA and can receive additional opportunities of travel, competition and community service.

645B Business Law

Semester, .5 credit Grade 11, 12

Prerequisite: None

The Business Law course assists students in learning the legal responsibilities they have as citizens and how the law can affect them personally. Topics that are covered in Business Law are the six elements of a contract, types of contracts, which includes those for home buying, renting, employment and credit, insurance protection, employment relationships and right of employers and employees, and the buying and selling of goods. Students will review cases in law and apply principles of law to make decisions. Students enrolled in this class have the opportunity of joining Business Professionals of America or DECA and can receive additional opportunities of travel, competition and community service.

622F Business Principles

Full Year, 1 credit Grades 9, 10, 11, 12

Prerequisite: None College Credit Available

Business Principles is an introductory class based in a variety of business topics. Students in a Business Principles class will learn about the economic systems in the world, credit and banking, consumer economics, business careers, money and finances, marketing, business structures, use of technology in business, consumer rights, investing and insurance. Students are required to write a short business plan to be presented at Lake Michigan College in May.

757B, 758D Skills For Living

Semester, .5 credit Grade 9, 10, 11, 12

Prerequisite: None

Skills for Living class is a course structured to introduce students to the responsibilities facing them in the real world. This course will cover topics such as renting vs. owing a home, finding work, costs associated with buying cars and maintaining them, good health habits, dressing properly for occasions, self-esteem, coping skills, effective communication with friends, family and professionals, and problem solving skills.

CAREER TECHNICAL EDUCATION

727B Parenting and Child Development

Semester, .5 credit Grade 9, 10, 11, 12
Prerequisite: None

Students study the physical, emotional/social and intellectual development of a child from birth to age 6 with emphasis on “age appropriate” parenting skills. Baby Think It Over is a required project.

732D Family Living

Semester, .5 credit Grade 9, 10, 11, 12
Prerequisite: None

Students study aspects of family life dynamics and relationships from birth to death. Areas of study include personal and family relationships, dating, mate selection, married life, divorce and family crisis management as it relates to the adolescent.

737 Hospitality and Food Service I

Full Year, 1 credit Grades 9, 10, 11, 12
Prerequisite: None

Students learn skills necessary to be a Master Chef/Master Baker, with book study and “hands on” experience of restaurant food preparation. Included topics: Sanitary Food Handling Skills, Classical Brigade of a Commercial Restaurant, Recipe usage (includes Food Measuring and Food Math), Basic Nutrition and Breakfast/Sandwich Preparation.

739F Hospitality and Food Service II

Full Year, 1 credit Grades 10, 11, 12
Prerequisite: Hospitality and Food Service I

Students continue learning skills of a Master Chef/Master Baker, with book study and “hands on” experience of restaurant food preparation. Entry level waiter/waitress skills are practiced. Included topics: Waitstaff, Lodging Industry and Desserts and Baked Goods.

741F Hospitality and Food Service III

Full Year, 1 credit Grades 11, 12
Prerequisite: Hospitality and Food Service I & II

Students will be given a series of culinary projects to accomplish, plan, perform culinary demonstrations, assist the second year students and plan local field trips/guest speakers in the hospitality businesses. Included topics: Purchasing, Inventory Control, Working Chef Skills and Executive Chef.

813F Auto I (Intro to Automotive Technology)

Full Year, 1 credit Grades 10, 11, 12
Prerequisite: None

Students will study basic automotive systems and theory of operation. Automotive maintenance and basic repairs are covered. (NATEF) National Automotive Technicians Education Foundation basic skills and tasks will be used as the

focus of instruction. Consumer knowledge of parts and products are also covered. Shop safety, proper tool and equipment use is also stressed.

867F Auto II (NATEF Automotive Brakes)

Full Year, 1 credit Grades 11, 12

Prerequisite: Auto I

This course gives the student experience diagnosing and repairing automotive brake systems. (NATEF) National Automotive Technicians Education Foundation curriculum will be followed. Automotive brakes skills and tasks will be used as the focus of instruction. Safety, brake equipment and tool use are stressed.

877F Auto III (NATEF Automotive Electricity)

Full Year, 1 credit Grades 12

Prerequisite: Auto I and II

This course gives the student experience diagnosing and repairing automotive electrical systems. (NATEF) National Automotive Technicians Education Foundation curriculum will be followed. Automotive testing and diagnostic skills along with the scientific method of thinking will be stressed.

815F Introduction to Electricity/Electronics

Full Year, 1 credit Grades 9, 10, 11, 12

Prerequisite: None

Students study basic concepts related to electricity and electronics. Topics include: electrical safety, electrical values, symbols and measurements, Ohms and Kirchoff's Laws, series, parallel, and combination circuits, mathematics for electronics, sources of electricity, Alternating and Direct Current, test equipment, soldering, and residential electricity. Includes Projects.

865F Electronics I/DC

Full Year, 1 credit Grades 10, 11, 12

Prerequisite: Introduction to Electricity/Electronics or Algebra I

This Core Course further develops students understanding, knowledge and skills related to the electrical/electronics industry with Direct Current (DC) circuits as the focus. Topics include: electrical safety, components, quantities, and units, mathematics for electronics, technical writing, voltage, current, and resistance in DC circuits, Ohms and Kirchoff's Laws, energy and power, series circuits, parallel circuits, series-parallel circuits, magnetism and electro-magnetism, introduction to semi-conductors, diodes and transistors, residential wiring, and employability skills. Soldering techniques will also be covered as required for project completion. Includes Projects. College credit is available through Lake Michigan College.

875F Electronics II/AC

Full Year, 1 credit Grades 11, 12

Prerequisite: Electronics I/DC

This Core Course further develops student understanding, knowledge and skills related to the electrical/electronics industry with Alternating Current (AC) circuits as the focus. Topics include: electrical safety, oscilloscope use, introduction to alternating current and voltage, mathematics for electronics, technical writing, capacitors, inductors, transformers, combination circuits, power supplies, transistor amplifiers, operational amplifiers, residential and commercial cabling, and

residential wiring. Soldering techniques will also be covered as required for project completion. Includes Projects. College credit is available through Lake Michigan College.

855F/857F Electronics III/Communications Electronics/Industrial Electronics

Full Year, 1 credit Grades 11, 12

(.5 Each Semester)

Prerequisite: Electronics I/DC or Electronics II/AC

855F The first semester of this course develops student understanding, knowledge and skills related to the electrical/electronics industry with communications equipment as the focus. Topics include: electrical safety, introduction to electronics communications, amplitude modulation and amplitude modulation circuits, frequency modulation and frequency modulation circuits, radio transmitters, introduction to satellite and fiber optic communications, an introduction to digital circuits, and employability skills. Soldering techniques will also be covered as required for project completion. Includes Projects.

857F The second semester of this course develops student understanding, knowledge and skills related to the electrical/electronics industry with industrial equipment and control as the focus. Topics include: electrical safety, electrical symbols and line/ladder diagrams, logic applied to line diagrams, motor contactors and starters, power distribution systems, solid-state control devices an introduction to programmable logic controllers, and employability skills. Soldering techniques will also be covered as required for project completion. Includes Projects.

828D Introductions to Robotics

Full Year, 1 credit Grades 10, 11, 12

Prerequisite: Introduction to Electricity/Electronics or Instructor Approval

This course is designed to develop the students understanding, knowledge and skills related to the robotics industry. Students will explore the Principles of Robotics, Power Supplies and Movement Systems, Sensing and End of Arm Tooling, and Control Systems. Students are introduced to the basic aspects of Robot Programming while learning to program using various program types. Robot design and construction is explored through classroom projects to build both Remote Controlled and Autonomous Robots. Includes Projects.

827B Engineering Problem Solving

Semester, .5 credit Grades 10, 11, 12

Prerequisite: None

In this one semester course, students use their creative and analytical abilities to study and solve basic engineering problems in society today. Students learn to solve problems using a problem-solving model as a guide and working in a group or individual setting. Students explore the use of different materials, processes, and technical concepts to develop projects to represent their solutions to the engineering problem. A review of engineering activities and accomplishments throughout history will be explored. Group activities, teamwork, communication skills, and an exploration of technology are emphasized. Includes Projects.

811F Manufacturing Technology

Full Year, 1 credit Grades 9, 10, 11, 12

Prerequisite: None

This course provides students with a broad overview of manufacturing processes. Students will demonstrate skills in fabricating Sheet Metal, Machining Metal, Welding Metal and fabricating plastics. Career opportunities in Manufacturing Technology will be explored.

821F Machine Tool Technology

Full Year, 1 credit Grades 10, 11, 12

Prerequisite: Students must have completed Manufacturing Technology with a C or better in order to enroll in this course.

This course provides students with an advanced experience in the Machine Tool Industry including Computer Numerical Control (CNC) and Computer Aided Machining (CAM). Career opportunities in the Machine Tool Industry will be explored.

833F CADD I (Computer Aided Drafting & Designing)

Full Year, 1 credit Grades 9, 10, 11, 12

Prerequisite: None

Students learn drafting skills using the computer aided design software AutoCAD. Drawings of two dimensional and isometric objects are developed.

859F Advanced CADD II (Computer Aided Drafting & Designing)

Full Year, 1 credit Grades 10, 11, 12

Prerequisite: "C" or better in CADD

Students learn Advanced CADD skills using AutoDesk's mechanical Desktop and Inventor software. Three-dimensional design and correct dimensioning techniques are studied in the class.

835F Architectural Drafting

Full Year, 1 credit Grades 10, 11, 12

Prerequisite: "C" or better in CADD

Students develop architectural drawing skills needed to complete a residential house plan and learn the various types of common building construction techniques. Detailed house plans are a major part of this course. Hand drawn and computer created drawings will be integrated into the final design project.

845F Architectural Construction

Full Year, 1 credit Grades 11, 12

Prerequisite: "C" or better in Architectural Drafting, CADD I

Students create models and presentations through blueprint reading and design taught in previous classes. Model will range from basic trusses and walls to complete houses and buildings.

851F Introduction to Graphic Communications

Full Year, 1 credit Grades 9, 10, 11, 12

Prerequisite: None

Students are introduced to the basic principles and practices of electronic imaging; focusing primarily on student productions. Actual graphic creations include notepads, business cards, photographic stationary, brochures, packages, t-shirts, multimedia presentations and basic web sites. Industry standard software includes the Adobe Creative Suite (Photoshop, Illustrator, InDesign and GoLive) in addition to iTunes, GarageBand, iMovie, iDVD and iWeb graphic animation software. An exploratory approach is taken to the introduction of printing, screen printing, multimedia and web site creation. **College credit available.**

869F Digital Multimedia Productions

Full Year, 1 credit Grades 10, 11, 12

Prerequisite: Intro to Graphic Communication (or BMT-Business Management Technology with a B or better grade)

Students produce dynamic digital multimedia presentations complete with music, video, animations, sound effects, illustrations, charts and graphs using high resolution digital still and video cameras, scanners, v.c.r.'s and c.d. or d.v.d. burners. Software includes: iMovie, iPhoto, mPower, iDVD, Keynote, Adobe Live Motions, Flash, Sound Studio, Illustrator and Photoshop. Final Cut Express will also be introduced.

Emphasis given to: Product advertising, portfolio development, technology demonstrations, visual interactive displays, and point-of-purchase advertising. **College credit available.**

861F Digital Web/Graphics Publishing

Full Year, 1 credit Grades 10, 11, 12

Prerequisite: Intro to Graphic Communications (or BMT-Business Management Technology with a B or better grade)

Students are given opportunities to design, create and publish internet iWeb sites along with professional print related materials and publications. Software training includes Adobe In-Design, Adobe GoLive, and/or Dreamweaver, Web Painter, and Flash. Web site productions include developing web sites complete with animations, roll-overs, music midi files, frames, mouse overs and Quicktime video in addition to an introduction to virtual tour technologies. Print publishing topics incorporate professional publications and business graphics materials using effective page layout, basic color theory, tone compression, image acquisition and final output. **College credit available.**

871F Digital Imaging

Full Year, 1 credit Grades 11, 12

Prerequisite: Intro to Graphic Communications, Digital Multimedia or Digital Web/Graphics Publishing.

Introduces students to professional industry-standard imaging-editing technologies and software which contains tools for designers to produce sophisticated graphics for the web, multimedia and print medias. Students will learn basic studio photography techniques, digital image adjustment and restoration, as well as techniques for manipulating and combining images. Software packages used in this course include Adobe Photoshop and Illustrator. **College credit available.**

ENGLISH

623F English 9 A/B

Full Year, 1 credit

Grade 9

There will be a focus on reading rate, fluency, comprehension, spelling, and vocabulary. Students will practice partner, group, choral, and silent-sustained reading as well as listening to audio books. Students will also focus on note taking and written responses to what they have read. An emphasis will be placed on sentence structure and organization for improved writing skills. In addition, students work with the 9th grade anthology to further improve writing, speaking, and reading skills. They write primarily in narrative and expository modes, focusing on grammar and usage, syntax, and vocabulary. They participate in organized discussions and make short oral presentations. Finally, students read short stories, poetry, and novels, which introduce them to literary elements and themes to help develop their vocabularies and English skills.

TEACHER RECOMMENDATION AND TEST SCORES

023F English 9

Full Year, 1 credit

Grade 9

Students work to improve writing, reading, and speaking skills through exposure to short stories, poetry, and novels. These genres introduce various literary elements and themes as well. Writing is primarily in narrative and expository modes, focusing on grammar and usage, syntax, and vocabulary. Speaking skills will be developed through organized discussions and short oral presentations.

025F English 10

Full Year, 1 credit

Grade 10

Students continue building their English experiences through a blend of reading, writing, and speaking, as well as analyzing literature in a variety of genres. Emphasis is on the study of novels, poetry, and short stories. Students write in expressive, expository, and persuasive modes.

035F Advanced English 10

Full Year, 1 credit

Grade 10

Prerequisite: English 9 teacher recommendation; 9th grade quarterly assessment scores.

Students continue building their English experiences through an advanced blend of reading, writing, and speaking, as well as analyzing literature in a variety of genres. Emphasis is on the study of novels, poetry, drama and short stories. Students write in expressive, expository, and persuasive modes. Further, students should expect to read, write, discuss, and perform at an advanced level.

027F English 11

Full Year, 1 credit

Grade 11

Students will cover American Literature through a thematic approach. Skill development will focus on improving reading comprehension skills, writing, and discussion. Assignments will focus on reading, writing, and listening skills in preparation for the MME test.

037F Advanced English 11

Full Year, 1 credit Grade 11

Prerequisite: English 10 teacher recommendation; 10th grade quarterly assessment scores.

Students will cover American Literature through a thematic approach. Skill development will focus on improving reading comprehension skills, writing, and discussion. Assignments will focus on reading, writing, and listening skills in preparation for the MME test. Further, students should expect to read, write, discuss, and perform at an advanced level.

029B, 030D Creative Writing

Semester, .5 credit Grades 11, 12

Prerequisite: None

Students express themselves creatively and imaginatively in such literary forms as the essay, short story, poem, fairytale, and mystery. Writers will experiment with voice and genre. Since writers will read their creations to the class, students will learn to listen and provide positive, constructive feedback to others.

047B, 048D World Literature and Composition

Semester, .5 credit Grades 12

Prerequisite:

Experience the world – past and present. World Literature is your gateway to the literature, history, and arts of different cultures from around the world. This advanced course will offer you the opportunity to read and discuss poetry, fiction, nonfiction, and drama from a variety of cultures. Writing assignments are literature based. This course may be taken one or both semesters for senior English credit.

057 College Writing, Semester 1 (LMC English 101)

Semester, .5 credit Grades 12

Prerequisite: B or better in English; recommendation of junior English teacher

This course in the two semester English sequence focuses on expository writing and the closely related activities of critical reading and thinking. Primary attention is to be given to the formal elements of short essays based upon or incorporating documented source material. You may take this course for Niles High School credit only, or you can earn dual credit at NHS and Lake Michigan College. If you choose to enroll for LMC credit, you must pass the placement test, complete admission requirements, and pay tuition.

058 College Writing, Semester 2 (LMC English 102)

Semester, .5 credit Grades 12

Prerequisite: B or better in English; recommendation of junior English teacher, LMC English 101

This course is an extension and intensification of the elements of expository writing and critical reading and thinking covered in English 101. Particular emphasis will be given to the formal, stylistic, and rhetorical considerations and techniques involved in developing longer critical essays that incorporate documented evidence from a broad range of source materials. You may take this course for Niles High School credit only, or you can earn dual credit at NHS and Lake Michigan College. If you choose to enroll for LMC credit, you must pass the placement test, complete admission requirements, and pay tuition.

052B Shakespeare

Semester, .5 credit Grades 11, 12

Prerequisite: None

Students will practice and perform readings of selected comedies, tragedies, and historical plays in print and in film with the aim of performing scenes. Translating Shakespeare's meaning and presenting the words, conversations, and actions of the scene will be emphasized.

039B, 040D Literature and Composition

Semester, .5 credit Grades 11, 12

Prerequisite: None

This course integrates reading from both American and World Literature. Writings are directly related to the selected readings. Literature includes poetry, drama, fiction, and nonfiction. Writing includes journaling, reaction papers, interpretive pieces, and may include a major research paper. This course may be taken both semesters for senior English credit.

043F Writing For Publication*

Semester, 1 credit Grades 10, 11, 12

Prerequisite: Teacher recommendation.

This course, designed for responsible and self-motivated students, introduces the student to basic journalism writing skills through extensive writing of news, features, editorials, and sport stories. Course emphasis is on creating and publishing the monthly newspaper.

045F Yearbook*

Semester, 1 credit Grades 11, 12

Prerequisite: Teacher recommendation.

This course is designed for the self-motivated and disciplined student who wishes to prepare and publish the high school yearbook. Students will be responsible for all aspects of creating and building the yearbook: photography, copy/caption writing distribution, marketing books, ad sales, proofing, and other tasks as directed. Students will also be responsible for all financial aspects of the yearbook. After-school and/or summer work should be expected.

041B, 042D Public Speaking*

Semester, .5 credit Grades 11, 12

Prerequisite: None

Students will write formal outlines and perform informative, demonstrative, and impromptu speeches. At least one Power Point presentation is required. Introduction to various speaking techniques, such as eye contact, volume control, nonverbal cues, posture, and pitch, will be a focus to improve oratory skills.

055B Theater*

Semester, .5 credit Grades 11, 12

Prerequisite: None

This course introduces the student to the history and elements of drama. Students develop fundamental acting skills through experience with monologues, short scenes, and improvisation. They can expect practice in blocking, projection, characterization, and role playing.*

*English electives may not be substituted for the 4 credits of required English courses.

FINE ARTS

511F Concert Band

Full Year, 1 credit

Grade 9 Only

Prerequisite: None

This group consists of 9th grade students and its members perform at football games, pep rallies, parades, and other functions of the combined group (Marching Band). Members of this group can expect to perform in several large group, ensemble and solo festivals. Students in the concert band are encouraged to study with a private music teacher and travel with the band to all music performances. This group will act as a training group focusing on fundamentals, individual skills, and procedures. Solo and ensemble festival (in the spring) is another individual competition and each member will be encouraged to perform a solo and/or in an ensemble. The band director and private lesson teacher will assist with the selection of music and ensemble members. The Concert band will perform at the District Band and Orchestra Festival in March.

513F Symphonic Band

Full Year, 1 credit

Grade 10, 11, 12 Only

Prerequisite: 9th Grade Band

This group consists of 10th thru 12th grade students and performs at all football games, pep rallies, parades, and other functions of the combined group (Marching Band). The Symphonic Band is the most advanced of all the bands and is the preeminent instrumental performing group at Niles High School. Members of this group can expect to perform in large and small groups. Students in the Symphonic band are encouraged to study with a private music teacher and travel with the band to all music performances. The music is more advanced and each member of the Symphonic band will be expected to have prepared his or her own music outside of the school day – just as homework would be expected from any other academic class. Solo and ensemble festival is another individual activity and each member will be encouraged to perform a solo and/or in an ensemble. The band director and private lesson teacher will assist with the selection of music and ensemble members. The Symphonic band will perform at the District Band and Orchestra Festival in March.

515F Jazz Band

Full Year, 1 credit

Grade 9, 10, 11, 12

Prerequisite: **Director approval is required.** Member of Concert or Symphonic Band or by Band Director Placement.

The jazz band will consist of the any 9th thru 12th grade players in the instrumental program that is interested in jazz. This group accepts members at all levels of performance. Note reading and knowledge of rhythms are a pre-requisite. This ensemble will perform at festivals and public events throughout the year.

533F Women's Choir

Full Year, 1 credit

Grade 9, 10, 11, 12

Prerequisite: An interest in singing

Women's Choir is open to all females who display an interest in vocal music regardless of ability. Class includes a study of basic music skills, and works on voice production. The student may repeat this class but must maintain a "B" or better. Participation in scheduled concerts is required.

541F Concert Choir

Full Year, 1 credit

Grade (Freshmen boys*) 10, 11, 12

Prerequisite: (Freshmen boys*) an interest in singing, a “B” or better in Women’s Choir

Concert Choir is open to all students who have at least a years experience in a high school ensemble (Band and W. Choir) and who display an interest in vocal music. *Only freshmen boys are accepted into the group in the 9th grade. Any other exceptions are made at the discretion of the director. This course offers the opportunity to develop one’s voice, one’s music reading ability and to gain poise from public performance. The student may repeat this class but must maintain a “B” or better. Participation in scheduled concerts and festivals is required.

535F A Cappella Singer

Full Year, 1 credit

Grade 10, 11, 12

Prerequisite: (Freshmen boys*) an interest in singing, a “B” or better in Women’s Choir or Concert Choir and instructor’s approval.

A Cappella Singer is open to all students who have at least a years experience in a high school ensemble (Band and W. Choir), who display an interest in vocal music and who have been approved by the director to take this class. This class introduces the student to study of acappella singing. The student may repeat this class but must maintain a “B” or better. Participation in scheduled concerts is required.

543F Counterpoints

Full Year, 1 credit

Grade 10, 11, 12

Prerequisite: An interest in singing and performing, a maintained “B” or better in Women’s Choir, Acappella Singers and/or Concert Choir, audition and instructor’s approval.

Counterpoints is open to all students who have at least one year experience in a high school ensemble (Band and W. Choir), who display an interest in vocal music and who have been accepted by the director, through audition, to take this class. This course is a performing class. Counterpoints present approximately ten performances each year. Attendance at these performances is mandatory. This class demands considerable amount of time outside the class. The student may repeat this class.

549F Basic Guitar

Full Year, 1 credit

Grade 10, 11, 12

Prerequisite: Student must have access to a guitar.

This class is for the student who is interested in learning basic guitar skills and applicable music theory. The class is designed for the student who wishes to develop and expand their accompaniment and picking techniques. This class requires that the student has access to a guitar of their own for the entire school year and the student must bring the guitar to class every day.

533B, 554D Drawing I

Semester, .5 credit

Grades 9, 10, 11, 12

Prerequisite: None

The emphasis of this beginning class is working with perspective and value contrast. Students learn how to use a two dimensional surface to create a three dimensional illusion. Form will be created through the use of light and shadow. A variety of subject matter will be used.

576D Drawing II

Semester, .5 credit Grades 9, 10, 11, 12

Prerequisite: Drawing I – must pass Drawing I in order to take Drawing II.

The student will be involved in profile, front view, and $\frac{3}{4}$ view portraiture followed by the study of the human form.

577B Drawing III

Semester, .5 credit Grades 10, 11, 12

Prerequisite: “B” or better in Drawing II

The serious art student will continue to explore the qualities of various mediums. In the second half of the course, the student will become involved with more responsibility in what direction their drawing interest is to take by concentrating on a particular medium and/or subject.

580D Drawing IV

Semester, .5 credit Grades 10, 11, 12

Prerequisite: “B” or better in Drawing III

This class will be devoted to the student developing their portfolio. Included within their 10-15 pieces will be a variety of mediums and subjects. The student will also be able to communicate verbally about their personal artistic development.

591B, 592D Studio Drawing

Semester, .5 credit Grades 11, 12

Prerequisite: “B” or better in Drawing IV and with teacher recommendation

The student will continue to work on pieces of various artwork for their portfolio. We will discuss each student’s portfolio and set goals.

561B, 562D Ceramics I

Semester, .5 credit Grades 9, 10, 11, 12

Prerequisite: Mature attitude

Ceramics I is a hands-on introductory course designed to encourage students in the vocabulary, tools, materials and techniques used to make, fire and glaze, hand-built and wheel-thrown pottery, many types of vessels and sculptural items. The language of art is explored with ceramics as the vehicle of expression. Dexterity, coordination, skills in the ceramic techniques, fostering creativity through design elements and principles and a basic understanding of the material are emphasized. The interrelatedness of ceramics to core subjects, an effort to improve MEAP and other standardized tests scores, is interwoven throughout the course. Show participation is encouraged.

572C Ceramics II

Semester, .5 credit Grades 9, 10, 11, 12

Prerequisite: Ceramics I with a grade of C or better.

Ceramics II continues to develop the skills acquired in Ceramics I, the prerequisite. Students gain confidence as they are reacquainted with and improve their vocabulary, their understanding of tools, materials and techniques involved in ceramics. The language of art, through an understanding of design, continues to be developed with ceramics as the vehicle of expression. Skill refinement and deeper exploration of the materials, is emphasized. Creative problem solving is

introduced. The interrelatedness of ceramics to core subjects, an effort to improve MEAP and other standardized tests scores is interwoven throughout the course. Show participation and portfolio building is encouraged.

581B Ceramics III

Semester, .5 credit Grades 10, 11, 12
Prerequisite: Ceramics II with a grade of C or better.

Ceramics III is a continuation of Ceramics II. It is designed to reinforce and expand upon the acquaintanceship with the vocabulary, tool, materials and techniques involved in ceramics. The language of art is expanded with ceramics as the vehicle of expression. Aesthetic communication skills through design, hands on skill development, richer understanding of materials and creative problem solving is encouraged. The interrelatedness of ceramics to core subjects, an effort to improve MEAP and other standardized tests scores is interwoven throughout the course. Exercises that require the use of math, science, history, reading and writing engage students at a practical level. Show participation and portfolio building is encouraged.

582D Ceramics IV

Semester, .5 credit Grades 10, 11, 12
Prerequisite: Ceramics III with a grade of C or better.

Ceramics IV, a continuation of Ceramics III, refines the techniques involved with the ceramic arts for the serious art student. The language of art is expressed through ceramics, as students develop their technical, visual, communication and core skills. New techniques in glazing, firing and surface decorating are explored. Students investigate a variety of clay and glaze compositions. The interrelatedness of ceramics to core subjects and the role of the ceramic arts in society is interwoven throughout the course through exercises that require the use of math, science, history, reading, psychology and writing. Show participation and portfolio building is emphasized.

583B, 594D Ceramics Studio

Semester, .5 credit Grades 11, 12
Prerequisite: Ceramics IV with a grade of B or better and teacher recommendation.

Ceramics Studio, a continuation of Ceramics IV, refines the techniques involved with the ceramic arts for the serious art student. The language of art is expressed through ceramics, as students master and integrate technical, visual communication and core skills. Show participation and portfolio completion is emphasized and expected. Students will use their portfolio as part of their application for employment or to foster their pursuit of higher education.

As the serious art student continuously adds to a portfolio, throughout a lifetime, this course is structured to provide that a student may repeat this course as often as they wish.

MATHEMATICS

217F Algebra I

Year, 1 credit Grade 9
Prerequisite: Meets NWEA test placement criteria/teacher recommendation

Algebra I is a course which will develop an understanding of techniques, concepts and skills necessary for solving linear and quadratic equations. Emphasis is placed on the use of the algebraic skills in problem-solving situations. The student

will develop skills in the use of real numbers, solving equations, factoring polynomials, functions, inequalities, rational and irrational numbers and the development of the quadratic formula.

211F Algebra I A/B

Year, 2 credit Grade 9

(1 Math/1 Elective)

Prerequisite: None

Due to new high school graduation requirements developed by the State of Michigan, all students must take Algebra I. Therefore, freshmen who are identified as needing support will be required to take Algebra I everyday. This will allow the students more time to meet the Algebra I content expectations.

The criteria for placement into Algebra I A/B are as follows...

- 8th grade math MEAP score of Level 3 or Level 4
- Spring NWEA math score less than 40th percentile
- Less than C average in 8th grade math/teacher recommendation

Students who meet at least two of these criteria will be automatically scheduled into Algebra 1 A/B. Students meeting only one criterion may be scheduled in, based on parent/teacher/counselor conference.

227F Geometry

Year, 1 credit Grade 9, 10

Prerequisite: Multiple Criteria including NWEA scores, grades, teacher recommendation.

In this course students will acquire geometric facts in plane, solid and coordinate geometry. The course covers the relationship of points, lines, planes and three-dimensional figures using proof methods to develop deductive reasoning. The student will develop knowledge of ratios; proportions and formulas needed in more advanced math and science courses.

229F Geometry A/B

Year, 2 credit Grade 10

(1 Math/ 1 Elective)

Prerequisite: Completion of Algebra I A/B OR Completion of Algebra I with teacher recommendation

Due to new high school graduation requirements developed by the State of Michigan, all students must successfully complete Geometry. Therefore, sophomores who are identified as needing extra support will be required to take Geometry everyday. This will allow the students more time to meet the Geometry content expectations.

207F Consumer Math

Year, 1 credit Grade 12

Prerequisite: None

This course will develop skills to make wise economic and thoughtful consumer decisions. Topics will range from financial planning and earning power to credit concerns, loans, budgeting and insurance. Banking activities, equity factors and stock market analysis will be particularly highlighted in this course, as well as in-depth financial functions using a calculator. Taxes will be addressed in the spring term.

237F Algebra II

Year, 1 credit

Grade 12

Prerequisite: Completion of Algebra I and Geometry

This course will help students understand that algebra is the study of the structure of real and complex number systems. Students will also acquire knowledge in the applications of algebraic and trigonometric concepts and skills.

245B Discrete Mathematics

Semester, .5 credit

Grade 11, 12

Prerequisite: "C" or better in Algebra II.

This course, part of the college preparatory program, is designed to teach students to use problem solving skills and the application of advanced mathematics to solve problems in business and social science areas.

246D Probability & Statistics

Semester, .5 credit

Grade 11, 12

Prerequisite: "C" or better in Algebra II.

This course is part of the college preparatory program. Students will learn about permutations, combinations, binomial trials, conditional probability, organizing and analyzing numerical data, normal distribution, random sampling, levels of significance, and making predictions.

247F Pre-Calculus

Year, 1 credit

Grade 11, 12

Prerequisite: Recommend "B" or better in Algebra II

This course is part of the college preparatory program designed to build a background in mathematics to bridge the gap between high school mathematics and college calculus. It includes sequences and series, vectors, complex numbers, various functions, and advanced trigonometry.

257F Calculus

Year, 1 credit

Grade 12

Prerequisite: Recommend "B" or better in Pre-Calculus

This is part of the college preparatory program designed to introduce the concepts of limits, continuity and differentiation of algebraic, trigonometric, logarithmic and exponential functions and their relationships and applications to curve sketching and integration. Included is the study of methods of integration and applications of integrals to area, volume, length, and other physical quantities.

PHYSICAL EDUCATION AND HEALTH

441B, 442D Team Sports I

Semester, .5 credit Grade 9, 10, 11, 12

Prerequisite: None

Students will participate in the following sports: Ultimate Frisbee, Soccer, Slo-Pitch Softball, Aerobic Kickball, Volleyball, Basketball, Hockey, Presidents' Physical Fitness Test, Low Skill Activities, Endurance Run Cage Ball, and Pickleball.

May repeat this class for credit as many times as the students wants to.

451B, 452D Team Sports II

Semester, .5 credit Grade 9, 10, 11, 12

Prerequisite: None

Students will participate in the following sports: Ultimate Football, Football, Modified Softball, Volleyball, Hockey, Basketball, Presidents' Physical Fitness Test, Endurance Run, Table Tennis, Tennis, Low Skill Activities.

May repeat this class for credit as many times as the students wants to.

473B, 474D Life Wellness

Semester, .5 credit Grade 9, 10, 11, 12

Prerequisite: None

The purpose of this class is to offer the students rich opportunities for analyzing their behaviors and learning new ways to create healthy lifestyles. Health areas covered include but not limited to: mental disorders, managing stress, self-esteem, developing relationships, marriage and family, nutrition, reproduction, infectious diseases, aids and other sexually transmitted diseases, personality, and drug use and abuse.

449B, 450D Leisure Sports

Semester, .5 credit Grade 10, 11,12

Prerequisite: "B" or better in a previous P.E. class and Instructor Approval

This program looks at physical conditioning through a nonconventional approach. There will be a \$100 fee to the student to cover off-site program costs. The following sports will be covered: Golf, Tennis, Croquet, Horseshoes, Bowling, Billiards, Ping Pong, Cross Country Skiing, Downhill Skiing, Racquetball, Hiking, Biking, Canoeing, Disc Golf and Low Skilled Activities.

May repeat this class for credit as many times as the students wants to.

475B, 476D Advanced Health

Semester, .5 credit Grade 10, 11, 12

Prerequisite: Life Wellness

The purpose of this class is to offer students rich opportunities for analyzing their behaviors and learning new ways to create healthy lifestyles. Health areas covered include but not limited to are: health care systems, health careers, personal qualities of health care worker, legal responsibilities, nutrition, human growth and development, geriatric care, vital signs CPR and first aid training.

443B Advanced Basketball

Semester, .5 credit Grade 10, 11, 12

Prerequisite: "B" or higher in a previous P.E. class

Students will learn history, rules, officiating strategies, theories, fundamentals, drills, team concepts, coaching strategies, scouting and teaching offensive and defensive drills, scorebook scoring, first aid and safety.

457B, 458D General Conditioning/Weight Training

Semester, .5 credit Grade 9, 10, 11, 12

Prerequisite: None

This course will include running, walking, aerobics, dance, President's Physical Fitness Testing, weight training and fundamental techniques. This is a general conditioning program and not necessarily for a specific sport.

May repeat this class for credit as many times as the students wants to.

447B Advanced Football

Semester, .5 credit Grade 10, 11, 12

Prerequisite: None

Students will learn history, rules, officiating strategies, theories, fundamentals, drills, first-aid, and other team concepts. The students will be required to give speeches and prepare a football notebook.

May repeat this class for credit as many times as the students wants to.

459B, 460D Introduction to Athletic Training

Semester, .5 credit Grade 10, 11, 12

Prerequisite: Grade of a B or higher in Life Wellness or a previous Physical Education Class

This class is geared toward training students in basic principles of athletic training. Students will learn how to evaluate injuries, treat injuries, and tape individuals. They will learn basic first-aid and CPR. Each student will be volunteer to work with a Niles sports team or assist the schools athletic trainer in a hands on experience in athletic training.

SCIENCE

351F Biology

Year, 1 credit Grade 9

Prerequisite: None

In this course, students will perform an in depth analysis of the multiple topics in Biology. Included will be various hands-on laboratory experiments. Topics to be covered in this class will be: Ecology, sexual and asexual reproduction, DNA structure, transcription, translation, protein synthesis, amino acids, photosynthesis, respiration, dihybrid crosses, sex-linked traits, sex-influenced traits, codominance, incomplete dominance, nondisjunction, trisomy, modern genetic applications, characteristics of the 5 Kingdom System, structure of a virus, biochemistry, and microbiology. Students successfully completing this course should have a deep understanding of the life science portion of the Michigan Science Curriculum Framework and the Michigan Merit Exam.

The course of study in biology will be divided into four nine week units consisting of Ecology for the first nine weeks, Cells for the second, Genetics for the third, and finally Classification for the last nine weeks.

361F Chemistry

Year, 1 credit

Grade 10

Prerequisite: Algebra I

In this course, students will perform an in-depth analysis of multiple topics in Chemistry with several hands-on, inquiry based laboratory experiments and demonstrations included. Students will exit this course with a foundational chemical knowledge in the following units: matter; Elements, Atoms and Ions; Nomenclature; Measurements & Calculations; Chemical Composition; Chemical Reactions; Chemical Quantities; Energy; Atomic Theory; Chemical Bonding; Acids & Bases; Nuclear Chemistry; and Organic Chemistry. Students completing this course with a thorough understanding of the physical science portion of Michigan Science Curriculum Framework and the Chemistry Standards for the Michigan Merit Exam.

313B Environmental Science

Semester, .5 credit

Grade 11, 12

Prerequisite: None

In this course students will learn about how humans and other life interact with each other and their surroundings and how humans impact the environment. The class is one semester class. Topics will include biodiversity, biomass, population fluctuations, water quality, human population, sustainable agriculture, urban sprawl, energy, waste management, human health in the environment, basic ecology, air, water, and land pollution, global warming and climate, and technology to better the environment. Students successfully completing this course should have a deeper understanding of the portion of the Michigan Science Curriculum Framework and the Michigan Merit Exam relating to the environment.

367F Modern Physics

Year, 1 credit

Grade 11, 12

Prerequisite: Algebra I

Physics is divided into four main topic components that will be woven throughout the courses as we go from topic to topic. The components of Physics, taught at an Algebra based level, are Mechanics, Wave and Particle theory, Sound, Light, Electricity, magnetism, and new updated topics in Physics. Topics covered in the first semester of study in this year long course are Mechanics and Mathematics of Physics including speed, velocity, acceleration, and force vector mathematics. The topics covered in the second semester are Waves and Particles, Light, and Electricity and Magnetism. This specifically includes atoms, photons, electron behavior, electromagnetic radiation, light emission and absorption, resistance, and electrical circuitry.

369F Advanced Physics

Year, 1 credit

Grade 12

Prerequisite: Algebra II

Physics as a quantitative science is the model of the scientific method, that confronts nature at its most basic level. The goal is to use a small number of concepts, (i.e., mass, length and time), to describe the physical world. The principles thereby derived can be used to make predictions about a broad range of phenomena.

Advanced Physics is divided into four main topic components that will be woven throughout the course as we go from topic to topic where standards and benchmarks will be taught and reflected in several different units. The components of Advanced Physics, taught at a Trigonometry based level and Mechanics, Wave and Particle Theory, Sound, Light, Electricity, magnetism, and new updated topics in Physics (e.e., String Theory and Quarks and Gluons). An AP exam is offered at the end of this course for possible college credit.

371F Chemistry II

Year, 1 credit Grade 12

Prerequisite: Pass Biology and Chemistry HSCEs and a grade of B or higher in each.

In this course, students will engage in an advanced analysis of chemical content equivalent to that of a first-year college general chemistry course. Students will exit this course with a comprehensive knowledge of the following chemical topics: Atoms, Molecules & Ions; Stoichiometry; Energy & Chemical Reactions; Atomic Structure & Electron configuration; Chemical Bonding; States of Matter; Solutions; and Chemical Equilibria. Students will also be introduced to college-level note-taking, study techniques, and laboratory experiments with accompanying laboratory reports.

355B Zoology

Semester, .5 credit Grade 11, 12

Prerequisite: Met Biology and Chemistry HSCEs.

This college prep class examines the various species of the Animal Kingdom using lab activities and dissections of vertebrate and invertebrate animals. We investigate each phylum's key characteristics, such as life processes, reproduction, and behavior. Students use the Internet to gather and present information.

356D Human Anatomy and Physiology

Semester, .5 credit Grade 11, 12

Prerequisite: Met Biology and Chemistry HSCEs.

Students will study the structure and function of organ systems in the human body. Through lab activities, dissections, research, and presentations students examine structures of the body and how these structures maintain the body's equilibrium. Unit topics include: anatomical terminology, organ systems, medical applications, and health careers.

359F Astronomy

Year, 1 credit Grade 12

Topics to be included in this year long upper level course include in the first semester: the celestial sphere, constellations, measurement of time, astronomical instruments, earth as a planet, the moon, the planets, asteroids, and comets. In the second semester we study the sun as a star, binary stars, the big bang theory, the oscillating model theory, variable stars, quasars, pulsars, black holes, nebulae, galaxies, celestial time scales, life in the universe, and interstellar travel.

365F Introduction to Engineering-Infinity Project

Year, 1 credit Grade 12

Prerequisite: Algebra II

The infinity curriculum focuses on the fundamentals of modern engineering and technology in the information and communications age. Engineering and design examples are drawn from wireless and telecommunications, the Internet,

electronic music, and other multimedia technologies popular in today's culture. Students will develop an understanding of how modern engineers design and build new technologies using math and science together with their ingenuity.

317B Botany

Semester, .5 credit Grade 11, 12

Prerequisite: None

This one semester elective course is designed for junior and senior students. Students will learn about the Plant Kingdom in depth. Topics include cellular processes involving plant cells, asexual reproduction, sexual reproduction, and photosynthesis. Topics also taught will be non-vascular plants and their life cycles, vascular plants and their life cycles, horticulture, soil ecology, and tree identification.

311F Topics in Biological and Physical Science

Full Year, 1 credit Grade 11

Prerequisite: None

This course is designed for the third year of required science for the junior who is not enrolled in Physics. Physics is required of all college bound juniors. Six six-week units will be taught. The first semester will be 1) Scientific Inquiry, 2) Forces and Motion, and 3) Sustainability. The second semester units will be 4) Energy, 5) DNA-Forensics, and 6) Human Biology. All units will emphasize graphing, the scientific method, measurement in science, reading in science, and hands-on everyday science.

363F AP Biology

Year, 1 credit Grade 12

Prerequisite: Pass Biology and Chemistry HSCEs and a grade of "B" or higher in each.

This course is designed to provide students with the opportunity to take an introductory university level life science course while in high school. This AP class is designed to be taken after the successful completion of Biology and Chemistry. The course aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. Units in biochemistry, cell physiology, molecular genetics, evolution, systematics, plants, animals, and ecology will be covered. Students will have the opportunity in the spring to take the AP exam to possibly earn college credit.

SOCIAL SCIENCE

413B, 414D Economics

Semester, .5 credit Grade 10

Prerequisite: None

This course provides students with an economic perspective of the world. Study includes: economic choices of individuals and society, economic choices of business, the government's role in economics, economic systems, and interdependence created by economic activity.

415B, 416D Civics

Semester, .5 credit Grade 10

Prerequisite: None

Students explore the ideas, values, and the institutions underlying the American democratic system, including the forms, functions and processes of national and state governments to illustrate a citizen's relationship to our government.

417F World History

Year, 1 credit Grade 11

Prerequisite: None

The course will cover the study of world geography and how geography has created diverse human cultures. This background knowledge allows students to study world regions, exploring culture, history, international relations, and current issues from a historical perspective.

411B, 412D Law

Semester, .5 credit Grade 10, 11, 12

Prerequisite: None

This class provides students with information about the law that would assist them in their daily lives. The course may present information regarding preventive law approach that would also provide students with knowledge of what to do when confronted with a legal problem. Information is presented through student-centered activities that enable students to develop the skills they would need to use the law and to be effective citizens within the framework of the criminal justice system, juvenile justice system, individuals' rights in the community, torts, and family law. Activities include case studies, mock trials, cooperative learning, guest speakers, and field trips.

401F US History

Year, 1 credit Grade 9

Prerequisite: None

This course focuses on the period of American History from 1870 to the present. Students are expected to know the key social, economic, political and cultural events to demonstrate an understanding of personal narratives, causes and effect, key political and economic decisions, and to analyze and interpret historical evidence while incorporating geography skills.

431F AP US History

Year, 1 credit Grade 11, 12

Prerequisite: A "B" in English or recommendation from English teacher, willingness, ability and discipline to do the reading, writing and research involved in an AP-level course.

This course is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials in US history. Students learn to assess historical materials – their relevance to a given interpretive problem, their reliability, and their importance – and to weigh the evidence and interpretations presented in historical scholarship. This course should develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format. This course is taught at the college level, student study habits and participation should reflect this expectation.

427B, 428D Sociology

Semester, .5 credit Grade 11, 12
Prerequisite: None

Students are introduced to the methods and concepts of basic sociology with an emphasis on contemporary issues in America. Students will explore how groups of people behave and interact with each other. Topics include: socialization, culture, family, race relations, and crime. Group work, discussions, one project, and various writing assignments comprise the requirements of this course.

429B, 430D Psychology

Semester, .5 credit Grade 11, 12
Prerequisite: None

Psychology is the study of individual development including topics such as perception, behavior, motivation, and personality. The aims of this course are twofold: (1) to increase student's ability to understand self and others and make amore satisfactory adjustment to life and (2) to give a general introduction to the field of psychology. Cooperative strategies, analysis, demonstrations, and presentations help students develop a critical understanding of human behavior.

431F AP Psychology

Year, 1 credit Grade 11, 12

Prerequisite: A "B" in English or recommendation from English teacher, willingness, ability and discipline to do the reading, writing and research involved in an AP-level course.

This course is designed to increase the understanding of psychology, its methods, theory and research. The course will explore the psychological facts, principles and phenomena associated with each of the major subfields of psychology. The course is broken into 13 units which reflect a division of the major areas of psychology. This course is taught at the college level and student study habits and participation should reflect this expectation. It is hoped that knowledge of psychological inquiry will provide perceptions of the world around us, insights into one's own and others behavior, and an appreciation of the complexity of human behavior.

434D Critical Issues

Semester, .5 credit Grade 11, 12
Prerequisite: None

This course provides an in-depth investigation of selected current issues. Students will research and question public policy issues from economic, geographic, civic and historical perspectives. Strong emphasis is placed on inquiry, research, debate, and presentations.

433B National Government

Semester, .5 credit Grade 11, 12
Prerequisite: None

This course will focus on the foundations of American Government, the legislative branch, the executive branch, the judicial branch, and civil liberties. Primary source documents and analysis of current issues through research and debate are stressed.

WORLD LANGUAGES

061F French I, 171F Spanish I

Year, 1 credit Grade 9, 10, 11, 12

Prerequisite: None

All courses are designed to meet the Michigan Standards/Benchmarks in World Language. Courses are taught using the method “Teaching Proficiency Through Reading and Storytelling” (TPRS). The focus of each course is acquisition of the target language for lifelong use. Students will use the language lab in each level.

063F French II, 173F Spanish II

Year, 1 credit Grade 9, 10, 11, 12

Prerequisite: To advance to levels II, III and IV a grade of at least a “C” must be earned in the previous level.

All courses are designed to meet the Michigan Standards/Benchmarks in World Language. Courses are taught using the method “Teaching Proficiency Through Reading and Storytelling” (TPRS). The focus of each course is acquisition of the target language for lifelong use. Students will use the language lab in each level.

065F French III, 175F Spanish III

Year, 1 credit Grade 9, 10, 11, 12

Prerequisite: To advance to levels II, III and IV a grade of at least a “C” must be earned in the previous level.

All courses are designed to meet the Michigan Standards/Benchmarks in World Language. Courses are taught using the method “Teaching Proficiency Through Reading and Storytelling” (TPRS). The focus of each course is acquisition of the target language for lifelong use. Students will use the language lab in each level.

067F French IV, 177F Spanish IV

Year, 1 credit Grade 9, 10, 11, 12

Prerequisite: To advance to levels II, III and IV a grade of at least a “C” must be earned in the previous level.

All courses are designed to meet the Michigan Standards/Benchmarks in World Language. Courses are taught using the method “Teaching Proficiency Through Reading and Storytelling” (TPRS). The focus of each course is acquisition of the target language for lifelong use. Students will use the language lab in each level.

SPECIAL AREAS

011F MVHS On-Line Classes

Year or Semester, 1 credit Grade 11, 12

Prerequisite: A student must be computer literate, communicate effectively in writing, enjoy the challenge of independent learning, be highly motivated, and manage time well.

These on-line classes offered through Michigan Virtual High School include Advanced Placement Courses and Traditional Courses, both year-long and semester paced. Course descriptions and other pertinent information may be found at www.mivhs.org. E-learning features e-mail, streaming audio and video, listservs, newsgroups, chat rooms, bulletin boards, digital portfolios, and more.

009F Freshman Connection

Year, 1 credit Grade 9

Prerequisite: None

Freshman Connection is a credit/no credit required course for all true freshmen to ensure a successful transition into high school. This course will help the student become familiar with Niles High School, increase social and personal skills, and provide an overview of the six NHS career pathways.

757B, 758D Skills For Living

Semester, .5 credit Grade 9, 10, 11, 12

Prerequisite: None

Students gain insight into themselves and their relationships with others. Included topics: self-esteem, assertiveness, coping skills, effective communication, friends and family relating, dating and marriage, plus essential problem solving skills.

IEP Classes

Year Grade 9, 10, 11, 12

Prerequisite: Qualified for Special Education Services

IEP classes cover subject areas such as: Math, Study Skills, English, Health, Social Studies, Science, Personal Adjustment, Careers, Computers, Home Economics, and Family Living. Courses meet individual needs of students per their individualized Education Plan.

933B, 934D Enrichment Reading

Semester, .25 credit Grade 10, 11, 12

Prerequisite: None

The class gives students the time to read without pressure. It is designed to instill the joy of reading to improve present reading levels, and to expand reading interests.

935B, 936D College Prep Reading

Semester, .25 credit Grade 10, 11, 12

Prerequisite: None

This class gives students the time to read selections from different college suggested reading lists.

939B, 940D Office Assistant

Semester, .25 credit Grade 11, 12

Prerequisite: None

Students work in the Main, Guidance, or Attendance Office doing clerical work and running errands as directed by office personnel. Grading will be credit/no credit.

975B, 976D Tutor/Assistants

Semester, .25 credit Grade 11, 12

Prerequisite: Teacher approval

Students aid the teacher as assigned. Grading will be on a credit/ no credit basis.

015F Learning Lab

Year, 1 credit

Grade 9

Prerequisite: None

This class is for the student who needs more assistance in the core academic areas of English, Social Studies, Science, and Math. Students will be given individual help in these areas with the goal of passing all classes each year. Students will learn organization and study skills, along with other effective ways to balance their academics in high school. Learning Lab students will be placed by counselor recommendation only and the course will replace Freshman Connection.

OFF CAMPUS COURSES

839F Construction Trades

Berrien Springs

Year, 4 credits

Grade 11, 12

After enrollment into the Construction program students are required to complete a unit of study on the safe usage of hand and power tools. After successful completion of these requirements, students freely choose the area of study that they desire to study. Each unit of study is divided into these similar components: reading textbooks and answering worksheet questions, watching video instructions and demonstrations, completion of tests and quizzes, completion of math related skills, and hands on practice of skills on simulated modules. Students will receive individualized instruction through each unit of study and proceed at their own pace. The goal of each student is to complete as many units of study as possible, thus preparing them for an entry level job in the Construction Industry. The units of study currently available to choose from are: Masonry, Floor, Wall and Roof Framing, Roofing, Siding, Plumbing, Electrical, Drywall, and Finish Carpentry.

879F Manufacturing Academy

LMC Bertrand Crossing

Year, 4 credits

Grade 11, 12

Manufacturing Academy prepares students for the manufacturing industry in our area. Students will learn technical and employability skills, operate computer-controlled manufacturing machines and design programs, take plant tours and do job shadowing. They should have an interest in manufacturing, good attendance, and a positive attitude. Students will be expected to develop and demonstrate skills in the following: print reading and drafting, mathematics and science, precision measurement and technical math, careers and employment, machine tool operations, and technical reading and writing.

889F Aviation Technology

Andrews University

Year, 2 credits

Grade 11, 12

This college level course acquaints students with opportunities available in aviation. Topics include mission flying, flight instruction, aircraft maintenance, avionics, safety, and aerodynamics of flight. Some dual flight instruction is included.

941F Pre-Veterinary Science

Andrew University

Year, 4 credits

Grade 12

Prerequisite: 2.5 GPA, successful completion of Biology & Chemistry

This college level course covers animal science, physical properties of soils, and animal nutrition. Student lab experience includes working at the dairy farm on Andrews University campus.

781F Cadet Teaching

Semester, .5-1 Grade 11, 12

This course provides an introductory experience working in a classroom in elementary or middle school. Students will be required to complete all school-to-career requirements.

791F Teaching Academy

Year, 2 credits Grade 12

Prerequisite: Psychology or currently enrolled in Psychology

This two block professional level course provides extensive experience working in elementary, middle school or ninth grade classrooms. Field trips, projects, and discussion groups study a variety of topics including multiple intelligence, human growth and development, objectives, lesson plans and current events in education. **Southwestern Michigan College direct credit is available for 3 credits in ED215.**

957F Pharmacy Technician

LMC/Niles Campus

Year, 4 credits Grade 11, 12

Prerequisite: Algebra I

The purpose of the pharmacy technology one year certificate program is to prepare the student with the knowledge and skills required to be a pharmacy technician and direction of a pharmacist in various settings. These settings include the hospital, community, retail, and research.

943F Allied Health

LMC/Lakeland

Year, 4 credits Grade 11, 12

This course prepares the student with the skills of a nursing assistant. This half-day class meets off campus and is a shared time program. The program is aimed at the student interested in a career in health care. Course work includes: introduction to health careers, basic communication skills including documentation, legal/ethical issues affecting health care, CPR/First Air (AED), and skills needed to perform job duties. Students will spend 8 weeks in a clinical setting performing the duties of nursing assistant. **College credit available.**

945F Professional Health Careers Academy (PHCA) LMC/Lakeland

Year, 4 credits Grade 11, 12

The Professional Health Careers Academy introduces students to professional health careers through course work and internships in health care facilities. This half-day class meets off-campus and is a shared time program. Students spend the first 8 weeks in the classroom learning the following course work: careers in health care, communication skills, legal/ethical issues affecting health care, CPR/First Aid (AED), infection control, professionalism, and teamwork. The rest of the school year consists of a combination of college course work, internships at the area health care facilities and continued classroom course work. Second year program available which consists of continued college courses and four nine week internships at the local health care facilities. **APPLICATION REQUIRED. COMPETITIVE PROGRAM. Recommended GPA 3.0 College credit available.**

947F Emergency Medical Technician

Berrien Springs

Year, 4 credits Grade 11, 12

Prerequisite: 18 years old by the end of the school year

This program provides an opportunity to prepare for EMT technician and specialist certificates. Courses are college level and the student must earn a grade of C or better on all tests/homework, dress as required by clinics and complete 32 hours of clinic work with local ambulance service.

953F Introduction to Criminal Justice

Berrien Springs

Year, 1 credits Grade 11, 12

Prerequisite: GPA of 3.0 or higher/or approval of instructor.

Special Requirements: Student provides own transportation to in-county field trips.

This course is designed to give students the opportunity to learn about, explore careers in, and obtain basic skills for entry into the criminal justice system (Law Enforcement, Courts, and Corrections). Introduction to Criminal Justice is an overview of the U.S. Criminal Justice System. In addition to the academic setting, students will participate in field trips and will experience guest lecturers in criminal justice. Students may apply for college credit for this course.

Excursion in Criminal Justice is the second semester to Introduction to Criminal Justice. It is an internship designed to give students a “hands-on” involvement in the criminal justice system. This internship is an 18-week program divided into segments. **Special Requirements:** Student provides own transportation to second semester intership sites.

955F Fire Fighter I/II

Berrien Springs Oronoko Fire Department

Year, 4 credits Grade 12

Fire Fighting I & II is offered for a full school year. This study of firefighting will include more than 225 hours of state mandated training and testing. Students who successfully pass all written and authentic testing will become state certified in fire fighting I & II at the conclusion of the school year. This certification is valid for employment anywhere in the state of Michigan.

959F Dental Assistant

LMC: Bertrand Crossing

Year, 4 credits Grade 12

This college level course covers diagnostic, operative, and preventive procedures in the dental area. Students work with instruments, mannequins, computers and records. This is the beginning course for prospective dental assistants.

969F Digital Graphics

Andrews University

Year, 4 credits Grade 12

Prerequisite: Completion of the NHS graphics courses and permission of the CTE director.

Open to students who have successfully completed NHS graphics courses. Qualifying students are given opportunities to take on-campus graphics courses such as digital photography, film photography, video photography, vector graphics (Adobe Illustrator), graphics publishing (Quark and inDesign) along with animation and web site development. Students may also gain employability skills in the offset and digital printing industry.

NCAA FRESHMAN-ELIGIBILITY STANDARDS

QUICK REFERENCE SHEET

KNOW THE RULES

Core Courses

* **Starting August 1, 2008**, 16 core courses will be required for **NCAA Division I** only. This rule applies to any student first entering any Division I college or university on or after August 1, 2008. See the chart below for the breakdown of this 16 core-course requirement.

* **14 core courses are required in NCAA Division II.** See the breakdown of core-course requirements below.

Test Scores

* **Division I** has a sliding scale for test score and grade-point average.

* **Division II** has a minimum SAT score requirement of 820 or an ACT sum score of 68.

* The SAT score used for NCAA purposes includes **only** the critical reading and math sections. The writing section of the SAT is not used.

* The ACT score used for NCAA purposes is a **sum** of the four sections on the ACT: English, math, reading and science.

* **All SAT and ACT scores must be reported directly to the NCAA Initial-Eligibility Clearinghouse by the testing agency. Test scores that appear on transcripts will no longer be used. When registering for the SAT or ACT, use the clearinghouse code of 9999 to make sure the score is reported to the clearinghouse.**

Grade-Point Average

* Only core courses are used in the calculation of the grade-point average.

* **Be sure** to look at your high school's list of NCAA-approved core courses on the clearinghouse Web site to make certain that the courses being taken have been approved as core courses. The Web site is www.naaclearinghouse.net.

* **Division I** grade-point-average requirements can be seen on website.

* **Division II** grade-point-average requirement is a minimum 2.000.

DIVISION I

16 Core-Courses Rule

16 Core Courses:

4 year of English.

3 years of mathematics (Algebra I or higher).

2 years of natural/physical science (1 year of lab if

offered by high school).

1 year of additional English, mathematics or natural/physical science.

2 years of social science.

4 years of additional courses (from any area above, foreign language or nondoctrinal religion/philosophy).

DIVISION II

14 Core-Course Rule

14 Core Courses:

3 years of English.

2 years of mathematics (Algebra I or higher).

2 years of natural/physical science (1 year of lab if offered by high school).

2 years of additional English, mathematics or natural/physical science.

2 years of social science.

3 years of additional courses (from any area above, foreign language or nondoctrinal religion/philosophy).

PLEASE NOTE: For students first entering any NCAA college or university on or after August 1, 2005, **computer science** courses may only be used for initial-eligibility purposes if the course receives graduation credit in mathematics or natural/physical science and is listed as such on the high school's list of NCAA-approved core courses.

OTHER IMPORTANT INFORMATION

- * Division II has no sliding scale. The minimum core grade-point average is 2.000. The minimum SAT score is 820 (verbal and math sections only) and the minimum ACT sum score is 68.
- * 14 Core courses are required for Division II.
- * 16 Core courses are required for Division I.
- * The SAT combined score is based on the verbal and math sections only. The writing section will not be used.
- * SAT and ACT score must be reported directly to the clearinghouse from the testing agency. Scores on transcripts will not be used.

For more information regarding the rules, please go to www.ncaa.org. Click on “Academics and Athletes” then “Eligibility and Recruiting.” Or visit the clearinghouse Web site at www.ncaaclearinghouse.net.

Please call the NCAA Eligibility Center if you have questions: Toll-free number: 877-622-2321.



Niles Community Schools Nondiscrimination Policy and Procedures

It is the policy of the Niles Community School District that no person shall, on the basis of race, color, religion, national origin or ancestry, age, sex, marital status or handicap, be excluded from participation in, be denied benefit of, or be subjected to discrimination, in employment or any of its programs or activities.

Any questions concerning ***Title VI of the Civil Rights Act of 1964***, which prohibits discrimination on the basis of race, color, or national origin, should be directed to Mr. Doug Law, Superintendent, Niles Community Schools, 111 Spruce Street, Niles, Michigan 49120, 269-683-0732.

Inquiries related to ***Title IX of the Education Amendments of 1972***, which prohibits discrimination on the basis of sex, should be directed to Mr. Jim Craig, Executive Director of Curriculum, Niles Community Schools, 111 Spruce Street, Niles, Michigan 49120, 269-683-0736.

Questions concerning ***Section 504 of the Rehabilitation Act of 1973***, which prohibits discrimination on the basis of disability, should be directed to Dr. Daniel Applegate, Director of Special Education, Niles Community Schools, 111 Spruce Street, Niles, Michigan 49120 269-683-0757.