



# **Chargers**

# **Class of 2027**

**Course Scheduling**

# Indiana Graduation Requirements: *Graduation Pathways*

#1	Meet Diploma Requirements
#2	Learn and Demonstrate Employability Skills
#3	Postsecondary-Ready Competencies

# Diploma Options

## Core 40

- Minimum diploma for college admission

## Academic Honors

- Recommended for students planning to pursue a rigorous, advanced course of study during their high school years.
  - Must maintain a 3.0 GPA (B Average) and no lower than a C- in any course
  - This is highly recommended for students who want to go to a more competitive 4 year University such as IU or PU

## Technical Honors

- Focuses on Academic and Technical skills
  - Must maintain a 3.0 GPA (B Average) and no lower than a C- in any course
  - Earn 6 credits in a Career Technical area of study

# INDIANA CORE40

North Montgomery  
High School

Course and Credit Requirements	
<b>English/ Language Arts</b>	<b>8 credits</b> Including a balance of literature, composition and speech.
<b>Mathematics</b>	<b>6 credits (in grades 9-12)</b> 2 credits: Algebra I 2 credits: Geometry 2 credits: Algebra II <small>Or complete Integrated Math I, II, and III for 6 credits. Students must take a math course or quantitative reasoning course each year in high school.</small>
<b>Science</b>	<b>6 credits</b> 2 credits: Biology I 2 credits: Chemistry I or Physics I or Integrated Chemistry-Physics 2 credits: any Core 40 science course
<b>Social Studies</b>	<b>6 credits</b> 2 credits: U.S. History 1 credit: U.S. Government 1 credit: Economics 2 credits: World History/Civilization or Geography/History of the World
<b>Directed Electives</b>	<b>5 credits</b> World Languages Fine Arts Career and Technical Education
<b>Physical Education</b>	<b>2 credits</b>
<b>Health and Wellness</b>	<b>1 credit</b>
<b>Electives*</b>	<b>6 credits</b> <small>(College and Career Pathway courses recommended)</small>
<b>40 Total State Credits Required</b>	

Schools may have additional local graduation requirements that apply to all students (not required for students with an IEP).

\* Specifies the number of electives required by the state. High school schedules provide time for many more electives during the high school years. All students are strongly encouraged to complete a College and Career Pathway (selecting electives in a deliberate manner) to take full advantage of career and college exploration and preparation opportunities.

\*\*SAT scores updated September, 2017

\*\*\*WorkKeys assessment titles updated, 2018

## CORE40 with Academic Honors (minimum 47 credits)

For the **Core 40 with Academic Honors** designation, students must:

- Complete all requirements for Core 40.
- Earn 2 additional Core 40 math credits.
- Earn 6-8 Core 40 world language credits (6 credits in one language or 4 credits each in two languages).
- Earn 2 Core 40 fine arts credits.
- Earn a grade of a C- or better in courses that will count toward the diploma.
- Have a grade point average of a "B" or better. (3.00 + GPA)
- Complete one of the following:
  - A. Earn 4 credits in 2 or more AP courses and take corresponding AP exams
  - B. Earn 6 verifiable transcribed college credits in dual credit courses from the approved dual credit list.
  - C. Earn two of the following:
    1. A minimum of 3 verifiable transcribed college credits from the approved dual credit list,
    2. 2 credits in AP courses and corresponding AP exams,
  - D. Earn a composite score of 1250 or higher on the SAT and a minimum of 560 on math and 590 on the evidence based reading and writing section.\*\*
  - E. Earn an ACT composite score of 26 or higher and complete written section

## CORE40 with Technical Honors (minimum 47 credits)

For the **Core 40 with Technical Honors** designation, students must:

- Complete all requirements for Core 40.
- Earn 6 credits in the college and career preparation courses in a state-approved College & Career Pathway and one of the following:
  1. Pathway designated industry-based certification or credential, or
  2. Pathway dual credits from the approved dual credit list resulting in 6 transcribed college credits
- Earn a grade of C- or better in courses that will count toward the diploma.
- Have a grade point average of a "B" or better. (3.00 + GPA)
- Complete one of the following,
  - A. Any one of the options (A-E) of the Core 40 with Academic Honors
  - B. Earn the following minimum scores on WorkKeys: Workplace Documents, Level 6; Applied Math, Level 6; and Graphic Literacy, Level 5.\*\*\*
  - C. Earn the following minimum score(s) on Accuplacer: Writing 80, Reading 90, Math 75.
  - D. Earn the following minimum score(s) on Compass: Algebra 66, Writing 70, Reading 80.

# Graduation Pathway Cheat Sheet

Graduation Requirement	Details
#1. High School Diploma	Meet diploma and curricular requirements
#2. Learn and Demonstrate Employability Skills	Students must complete at least <b>one</b> of the following: <ul style="list-style-type: none"> <li>● Project Based Learning Experience, OR</li> <li>● Service Based Learning Experience, OR</li> <li>● Work Based Learning Experience</li> </ul>
#3. Postsecondary-Ready Competencies	Students must complete at least <b>one</b> of the following: <ul style="list-style-type: none"> <li>● Earn an Academic or Technical Honors Diploma</li> <li>● ACT English 18 -or- Reading 22, AND ACT Math 22 -or- Science 23</li> <li>● SAT EBRW 480 AND Math 530</li> <li>● Earn at least a 31 on the ASVAB</li> <li>● Industry Certification From State Approved List (earned in several CTE classes)</li> <li>● Take 3 AP or Dual Credit Courses (1 must be in Core Area) with grade of C or better</li> <li>● Take 3 classes in an official CTE Pathway with grades of C or better (NMHS list below)</li> </ul>

CTE Pathway Options @ NMHS (must earn C or better in these classes and must take in the order listed)
<ul style="list-style-type: none"> <li>● <b>Agriculture - Animal Science</b> <ul style="list-style-type: none"> <li>○ Principles of Agriculture, Animal Science, Advanced Life Science- Animals</li> <li>○ Advanced Life Science-Animals and Agribusiness Management (phased out after class 2024)</li> </ul> </li> <li>● <b>Agriculture - Landscape</b> <ul style="list-style-type: none"> <li>○ Principles of Agriculture, Horticultural Science, Landscape and Turf Management</li> <li>○ Horticultural Science and Landscape I (phased out after class 2024)</li> </ul> </li> <li>● <b>Business - Accounting</b> <ul style="list-style-type: none"> <li>○ Principles of Business Management, Accounting Fundamentals, Advanced Accounting</li> </ul> </li> <li>● <b>Business - Management and Administration</b> <ul style="list-style-type: none"> <li>○ Principles of Business Management, Marketing Fundamentals, Accounting Fundamentals</li> </ul> </li> <li>● <b>Business -Marketing</b> (class 2025 and beyond)           <ul style="list-style-type: none"> <li>○ Principles of Business Management, Marketing Fundamentals, Digital Marketing (offered beginning 2024-2025)</li> </ul> </li> <li>● <b>Biomedical Sciences</b> <ul style="list-style-type: none"> <li>○ Principles of Biomedical Science, Human Body Systems or Anatomy/Physiology, Medical Interventions</li> </ul> </li> <li>● <b>Culinary Arts</b> <ul style="list-style-type: none"> <li>○ Principles of Culinary and Hospitality, Nutrition, Culinary Arts</li> </ul> </li> <li>● <b>Industry and Digital Manufacturing</b> <ul style="list-style-type: none"> <li>○ Principles of Industry 4.0 and Digital Manufacturing, Robotics Design and Innovation, Smart Manufacturing Systems</li> </ul> </li> <li>● <b>Education Careers</b> (students take all 3 of these classes together junior or senior year for a total of 6 credits)           <ul style="list-style-type: none"> <li>○ Principles of Teaching, Child and Adolescent Development, Teaching and Learning</li> </ul> </li> <li>● <b>At least 1 year of any West Central CTE Program (taken junior and/or senior year)</b> <ul style="list-style-type: none"> <li>○ Automotive Services, Business Admin, Cosmetology , Criminal Justice , Construction Trades, Cybersecurity/IT, EMT, Fire &amp; Rescue, HVAC, Industrial Career Academy, Precision Machining, Pre Nursing CNA, Radio/TV, Welding Technology</li> </ul> </li> </ul>

#2

# Demonstrate Employability Skills

*Employability skills show that a student has learned things such as communication, responsibility, teamwork, and perseverance*

**Students must complete one of the following before graduation:**

- **Project-Based Learning Experience**
- **Service-Based Learning Experience**
- **Work-Based Learning Experience**

Must be documented and verified

#2

## Employability Skills Examples

*Students must complete one of the following before graduation:*

- **Project Based Learning Experience**
  - NMHS class with project focus
- **Service Based Learning Experience**
  - school club, athletics, 4H, church
- **Work Based Learning Experience**
  - part-time job

#3

## Postsecondary Ready Competencies

*Students need to be prepared for the next step after high school.*

College  
Military  
Technical Training  
Career



# Postsecondary Ready Competencies

Available Options- Must meet 1	Details
Honors Diploma	Earn an Academic or Technical Honors Diploma
ACT Benchmarks	English 18 <b><u>OR</u></b> Reading 22 <b><u>AND</u></b> Math 22 <b><u>OR</u></b> Science 23
SAT Benchmarks	EBRW 480 <b><u>AND</u></b> Math 530
ASVAB	Earn at least a 31 on the ASVAB
Industry Certification	From Approved List
3 AP or Dual Credit Courses	3 AP or Dual Credit Courses *1 has to be in “core” area or all 3 in same career pathway
CTE Concentrator	Complete classes (from State defined list) in a CTE Pathway with average grade of C or higher
Apprenticeship	From Federally Approved List (Currently No Montgomery County Options)

# CTE Concentrator Examples @ NMHS

Students take 3 individual classes over 2-4 years\*

## CTE Pathway Options @ NMHS (must earn C or better in these classes and must take in the order listed)

- **Agriculture - Animal Science**
  - Principles of Agriculture, Animal Science, Advanced Life Science- Animals
  - Advanced Life Science-Animals and Agribusiness Management (phased out after class 2024)
- **Agriculture - Landscape**
  - Principles of Agriculture, Horticultural Science, Landscape and Turf Management
  - Horticultural Science and Landscape I (phased out after class 2024)
- **Business - Accounting**
  - Principles of Business Management, Accounting Fundamentals, Advanced Accounting
- **Business - Management and Administration**
  - Principles of Business Management, Marketing Fundamentals, Accounting Fundamentals
- **Business --Marketing** (class 2025 and beyond)
  - Principles of Business Management, Marketing Fundamentals, Digital Marketing (offered beginning 2024-2025)
- **Biomedical Sciences**
  - Principles of Biomedical Science, Human Body Systems or Anatomy/Physiology, Medical Interventions
- **Culinary Arts**
  - Principles of Culinary and Hospitality, Nutrition, Culinary Arts
- **Industry and Digital Manufacturing**
  - Principles of Industry 4.0 and Digital Manufacturing, Robotics Design and Innovation, Smart Manufacturing Systems
- **Education Careers** (students take all 3 of these classes together junior or senior year for a total of 6 credits)
  - Principles of Teaching, Child and Adolescent Development, Teaching and Learning
- **At least 1 year of any West Central CTE Program (taken junior and/or senior year)**
  - Automotive Services, Business Admin, Cosmetology , Criminal Justice , Construction Trades, Cybersecurity/IT, EMT, Fire & Rescue, HVAC, Industrial Career Academy, Precision Machining, Pre Nursing CNA, Radio/TV, Welding Technology

*The classes listed are anticipated offerings at NMHS. Class availability is always subject to change based on staffing, student interest and State changes. With the exception of Principles of Teaching, all other "Principles" classes can be taken in Grade 9.*

# Recap:

## *Graduation Pathways*

#1	Meet Diploma Requirements
#2	Learn and Demonstrate Employability Skills
#3	Postsecondary-Ready Competencies

# Course Planner Instructions

# English

Class

Credits

English 9

2

English 9, Honors

2

# Math Sequence

Algebra I (2)

Geometry (2)

-or-

Honors Geometry (2)

Algebra II (2)

-or-

Honors Algebra II (2)

Additional Math Classes  
Available

# Science

Class

Credits

Biology

2

Biology explores biological concepts through scientific laboratories and exploration. The focus in general biology is to learn biology and explore how science works.

Honors Biology

2

Honors Biology explores the same topics as Regular Biology but with more depth and rigor. Students must have good writing skills and must be prepared to think critically. Honors Biology focuses on scientific research and communication, and prepares students for upper level life science classes.

# Physical Education (PE)

all students must choose 1

Class

Credits

PE

2

Strength and Conditioning

2

Students that participate in NMHS athletics, cheer, dance, guard, or marching band can choose to take full year Strength and Conditioning (Weights) instead of PE. PE credit can be earned through your sport/activity. PE contract must be signed and turned in with scheduling paperwork to pursue this option.



# Social Studies

Class

Credits

World History/Civilization

2

You must take this course either your 9<sup>th</sup> or 10<sup>th</sup> grade year

# World Language

Class	Credits
Spanish I	2
Spanish II <i>-available if you took Spanish I in 8th grade</i>	2

Prerequisite: To be eligible for World Language in Grade 9, you must have earned A's and/or B's in 8th grade English class.

*3 years of World Language required for Academic Honors Diploma.*

# Electives

- **What is an elective?**
  - Extra courses taken to fulfill graduation requirements
- **Why take an elective class?**
  - Explore your interests.
  - Lighten a demanding class schedule.
  - Start working to fulfill CTE Pathway
  - Have fun studying something you love.

# Additional Science Option

## Principles of Biomedical Science:

The class is taught with a STEM approach in which you will discover concepts with hands-on labs and activities. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems.

\*This is an advanced science option

\*All freshman will still take Biology, but can sign up for this too.



# English Electives

## Genres of Literature:

Genres of Literature explores the genre of Young Adult literature and themes using multiple different avenues. There are discussions, creative projects, films, music and many other projects to help students regain a passion for reading outside of class.



# Music Electives

## Band:

Students explore many styles and uses of music through performance.

## Intermediate Choir:

This group performs several times throughout the year. The course will include an introduction to basic vocal technique, beginning music theory, and basic sight-reading skills. There is a movement element in this course, and a willingness to dance is expected.



# Music Electives Con't.

## Music History and Appreciation:

Students receive instruction designed to explore music and major musical styles and periods through understanding music in relation to both Western and Non-Western history and culture. Activities include analyzing and describing music; evaluating music and music performances; and understanding relationships between music and the other arts, as well as disciplines outside of the arts.

## Musical Theatre:

Students in this course will study the history of musical theatre and its relevance in today's society by exploring its roots as well as current trends shaping this medium. Students will analyze groundbreaking performances, performers, composers, and a variety of careers that work behind the scenes.



# Business Electives

## Digital Applications and Responsibility:

This course prepares students to use computer technology in an effective and appropriate manner. Students develop knowledge of word processing, spreadsheets, presentation and communications software. Students establish what it means to be a good digital citizen and how to use technology appropriately.

## Principles of Business Management:

This is an entry level business course that covers basic economics, management and marketing.

- Course #1 in CTE Pathway





# Agriculture Electives

## Principles of Agriculture:

The nature of this course is to provide students with an introduction to **ALL** Agriculture classes. An activity and project-based approach is used.

- Course #1 in CTE Pathway

# Art Electives

## Intro 2D Art:

In this class you will focus on the basics in art: Drawing, Painting, Printmaking and Collage. You will learn different ways to use the Elements of Art ( color, form, line, shape, space, texture, and value) in interesting and original ways.

## Visual Communications:

In this class you will learn how to use online editing software to create posters, fliers, photo collages, digital media, and more. You will be focusing on making art that can communicate a message. You will also learn about the importance of color schemes, font choices, and how to manipulate images.



# Family & Consumer Sciences Electives

## Principles of Culinary & Hospitality:

Introductory course for all students interested in learning basic culinary skills. This course covers a wide variety of topics including investigating food and hospitality related careers, safety and sanitation, nutrition, etiquette, and customer relations. Students are able to practice their culinary skills in laboratory experiences.

- Course #1 in CTE Pathway

## Intro to Fashion & Textiles:

Students interested in the fashion industry will learn about investigating fashion related careers, fashion history, fashion designers, application of elements and principles of design, and clothing care. Learn how to properly operate a sewing machine, as well as complete various sewing projects.



# Engineering & Technology Electives

## Intro to Engineering Design:

This class focus is to introduce students to all aspects of **engineering**. The students will learn to create things in a **computer modeling software**, work on **design projects** and learn how to transfer technical information from designer to builder.

## Intro to Transportation:

The transportation class is focused on power, energy & transportation. The students can expect to work with **robots**, **electricity**, model **rockets** & **gearing**.

## Principles of Industry 4.0 Digital Manufacturing:

Apply skills and knowledge of using modern manufacturing processes and machinery. Complete manufacturing simulations. This course will help you prepare for a job in the manufacturing industry.

- Course #1 in CTE Pathway

# Study Hall

- **Can choose Study Hall Semester 1, Study Hall Semester 2, or both**
- **No grade or credit for the class**
- **Quiet time to work on homework**

Count the numbers in  
(parentheses) after the classes  
you've circled.

Do they add to 14?

If not, make corrections!

# Alternates (2nd choice classes)

- On the back please select 2 additional classes you would like to take IF we cannot schedule you into those you circled on the front.
- Please do not choose classes you circled on the front.
- It is not always possible to give everyone their first choice so we want to know what else you are interested in taking!

# What needs filled out?

1. Blue Schedule Request Sheets
2. Alternative PE Form (if applicable)

Take them home and discuss options with your parents.

**High School Counselors will be coming to collect forms and talk to students on**

**Monday January 30, 2023**