

# Academic Opportunities & Planning Guide

*A guide for students and parents to better understand the academic course offerings, program opportunities, graduation pathways, and degrees & certifications available for students as they transition from junior high to high school.*

A large, stylized red letter 'M' with a thick black outline, centered on the page. The 'M' is set against a background of overlapping grey and white geometric shapes.

**MADISON  
CONSOLIDATED**

**HIGH SCHOOL**

# TABLE OF CONTENTS



**01** Welcome to MCHS

**02** Academic Plan & Diploma  
Types

**03** Indiana College Core

**04** Indiana College Core  
Courses/ Ivy Tech - Madison

**05** Pathways, Practical  
Partnerships

**06** Terminology & Acronyms

**07** Cub Enterprises / CTE

**09** Advanced Manufacturing  
Pathway

**10** Engineering Pathway

**11** Medical / Health Sciences  
Pathway

**12** Exploratory Studies Pathway

**13** Madison Fine Arts Academy

**14** 21st Century Scholars  
Program



MCS and MCHS are ahead of the curve when it comes to offering students options. We have a wide variety of academic, extracurricular, athletic, fine arts, and career exploration opportunities. Our team is ready to assist your student and explore what options make sense for them as we begin the journey to post-secondary success. Ronnie Lawhead, MCHS Principal.

# INTRODUCTION

Welcome to Madison Consolidated High School! MCHS is pleased to offer a challenging, comprehensive approach to student success.

Career-focused pathways help guide academic course selections, offer opportunities to explore a variety of fields of interest and align high school and post-secondary educational opportunities for all students.

An awareness of the importance and need for social and emotional wellness among our student body is the central focal point of our staff. Our teachers, counselors, administrators, and school resource officers who work together as a team are ready to help serve your family. Our goal is open communication through healthy dialog, and a partnership with our families to be sure the best interest of each student is at the center of our daily activities.

Unique to Madison, the Madison Fine Arts Academy offers students the opportunity to earn a distinguished diploma designation upon successful completion of the academy requirements. Visual Art, Instrumental, Choral, and Theatre are all elements of the fine arts experience at MCHS.

Student leadership opportunities begin early as a Cub. District-wide, Madison encourages age-appropriate leadership roles which prepare students to be informed, involved, community-minded servant-leaders who will represent their school with pride, vision, and be change agents.

Madison Cub athletics offers fifteen varsity level sports teams for students to participate in while in high school. Cub student-athletes are competitive, hard-working, individuals who come together to build upon decades of success and leaving their mark each year.

# Academic Plan and Diploma Types

How can we help you achieve your goals?

## **CORE 40** (minimum requirement is 40 credits)

- 8 cr - Language Arts (4 years)
- 6 cr - Math (3 years in high school)
- 6 cr - Science (3 years)
- 6 cr - Social Studies (3 years)
- 2 cr - PE
- 1 cr - Health
- 11 cr - Electives

## **CORE 40** w/ Academic Honors

**CORE 40 PLUS**

### ADDITIONAL:

- 2 cr - Math
- 6 cr - World Language or 2 years each in two different languages
- 2 cr - Fine Arts
- C- grade or higher in all required courses
- GPA of 3.0 or higher
- One of the following:
  - 6 college credits or 4 semesters of AP courses and corresponding classes
  - Score 1250 on SAT or Score 26 on ACT

## **CORE 40** w/ Technical Honors

**CORE 40 PLUS**

### Complete ONE of the following:

- Any option from Core 40 w/ Academic Honors
- C- grade or higher in all required courses
- GPA of 3.0 or higher
- Earn 6 credits in a state-approved College & Career Pathway and ONE of the following:
  - Pathway certification or credential
  - Pathway dual credits (priority) equaling 6 Transcribed CC

## State-Approved College & Career Pathways:

Based on each student's personalized academic plan, they will be placed in a state-approved college and/or career pathway.

This pathway and the associated coursework are designed to guide their class selection to successful completion of the diploma of their choice.

"Our goal, as School Counselors, is to align curriculum opportunities and learning experiences with each student's academic and career path goals so they are fully prepared for their next chapter following graduation."

- Janelle Smith, MCHS School Counselor / Program Leader

# Indiana College Core

**Are you interested in saving a year's college tuition expense?**

The Senate Enrolled Act 182 (2012) initiated the Statewide Transfer General Education Core (TGEC), now known as the Indiana College Core (ICC). The transfer core is a minimum of 30 college credit hours in 6 competency areas. A student who satisfactorily completes coursework to meet the core transfer requirements can transfer their block of 30 or more credits toward the general education core requirements at any state educational institution. This is equivalent to the first year of a college education.

Since 2016, Madison Consolidated Schools has strategically aligned resources with Ivy Tech Community College in order to provide high school students with dual credit/enrollment offerings.

These are optional, more challenging, and demanding courses made available for students to take in order to earn college credits. There is a higher expectation, heavier workload, and overall commitment to academic achievement and success necessary from any student who chooses to enroll in these courses.

The cost of these courses is approximately \$500 per class and the expense is covered by the MCS board of trustees. In exchange, the student is required to successfully complete any course with a grade of a C- or better. If a grade below a C- is earned, the district will seek reimbursement from the student/family.

**Over \$6.7 million in estimated tuition savings for Madison families since program inception in 2016.**

**Formerly known as the STGEC, the Indiana College Core can save an estimated \$20,000 in college tuition.**

## ESTIMATED SAVINGS:

*\$20,000 - average tuition, room, and board at a public university in Indiana*

## MCHS graduates earning Indiana College Core

1	Class of 2015
52	Class of 2016
52	Class of 2017
63	Class of 2018
59	Class of 2019
53	Class of 2020
57	Class of 2021
49	Class of 2022*

\*Class of 2022 also earned 6 Associate degrees, 17 Certificates, and 52 Technical Certificates.



# Indiana College Core Courses

Currently, MCHS is partnering with Ivy Tech Community College (ITCC) to offer students the Indiana College Core (ICC). Senate Enrolled Act 182 (2012) enables a student who satisfactorily completes an approved program of general education in any state educational institution in Indiana to transfer that coursework to any other state educational institution as a block of 30 credit hours towards the general education core requirements, not just elective credit. The ICC transfer to all IN public colleges and universities, as well as, many of the private schools.

## WRITTEN COMMUNICATION 3-6 credits

- \_\_\_ ENGL 111 English Composition\* (S1, AP Language & Comp) (3)
- \_\_\_ ENGL 215 Rhetoric and Argument\* (S2, AP Language & Comp) (3)

## SPEAKING AND LISTENING 3-6 credits

- \_\_\_ +COMM 101 Fundamentals of Public Speaking\* (Comm 101) (3)
- \_\_\_ COMM 102 Intro to Interpersonal Communication

## QUANTITATIVE REASONING 3-12 credits

- \_\_\_ MATH 118 Concepts in Mathematics\*
- \_\_\_ MATH 123 Quantitative Reasoning
- \_\_\_ MATH 135 Finite Math\*
- \_\_\_ #MATH 136 College Algebra\* (Advanced Math, CC) (3)
- \_\_\_ #MATH 137 Trig with Analytic Geometry\* (Pre-Cal) (3)
- \_\_\_ MATH 201 Brief Calculus\*
- \_\_\_ MATH 202 Brief Calculus II\*
- \_\_\_ #MATH 211 Calculus I\* (AP Calculus AB) (4)
- \_\_\_ MATH 212 Calculus II\*
- \_\_\_ MATH 221 Calculus for Technology I
- \_\_\_ MATH 222 Calculus for Technology II

## SCIENTIFIC WAYS OF KNOWING 3-12 credits

- \_\_\_ ASTR 101 Solar System Astronomy\*
- \_\_\_ BIOL 101 Introductory Biology\* (Biology II) (3)
- \_\_\_ BIOL 105 Biology I\*
- \_\_\_ BIOL 107 Biology II\*
- \_\_\_ BIOL 121 General Biology
- \_\_\_ BIOL 211 Microbiology
- \_\_\_ #CHEM 101 Introductory Chemistry\* (Chemistry II) (3)
- \_\_\_ #CHEM 105 General Chemistry I\* (AP Chemistry) (5)
- \_\_\_ CHEM 111 Chemistry I
- \_\_\_ PHYS 101 Physics I\* (AP Physics, Algebra-based) (4)
- \_\_\_ PHYS 102 Physics II\*
- \_\_\_ PHYS 220 Mechanics\*
- \_\_\_ PHYS 221 Heat, Electricity, & Optics
- \_\_\_ SCIN 100 Earth Science\*
- \_\_\_ SCIN 111 Physical Science\* (Physics II) (3)

## SOCIAL AND BEHAVIORAL WAYS OF KNOWING 3-12 credits

- \_\_\_ ANTH 154 Cultural Anthropology
- \_\_\_ ECON 101 Economics Fundamentals\*
- \_\_\_ ECON 201 Principles of Economics\*
- \_\_\_ ECON 202 Principles of Microeconomics\*
- \_\_\_ #HIST 101 Survey of American History I\* (AP US History) (3)
- \_\_\_ #HIST 102 Survey of American History II\* (AP US History) (3)
- \_\_\_ HIST 111 World Civilization I
- \_\_\_ HIST 112 World Civilization II
- \_\_\_ #POLS 101 Intro to American Government & Politics\* (AP Govt.) (3)
- \_\_\_ POLS 211 Introduction to World Politics\*
- \_\_\_ PSYC 101 Introduction to Psychology\*
- \_\_\_ PSYC 201 Lifespan Development\*
- \_\_\_ PSYC 205 Abnormal Psychology\*
- \_\_\_ PSYC 240 Human Sexuality\*
- \_\_\_ SOCI 111 Introduction to Sociology\*
- \_\_\_ SOCI 164 Multicultural Studies
- \_\_\_ SOCI 245 Cultural Diversity
- \_\_\_ SOCI 252 Social Problems\*

## HUMANISTIC AND ARTISTIC WAYS OF KNOWING 3-12 credits

- \_\_\_ ARTH 101 Survey of Art & Culture\*
- \_\_\_ ARTH 102 Survey of Art and Culture II\*
- \_\_\_ ARTH 110 Art Appreciation\*
- \_\_\_ ENGL 202 Creative Writing\*
- \_\_\_ +ENGL 206 Introduction to Literature\* (S1, AP Lit & Comp) (3)
- \_\_\_ ENGL 214 Introduction to Poetry\*
- \_\_\_ ENGL 220 Introduction to World Literature\*
- \_\_\_ +ENGL 221 Intro to World Lit After the Renaissance\* (S2, AP Lit & Comp) (3)
- \_\_\_ ENGL 222 American Literature to 1865\*
- \_\_\_ ENGL 223 American Literature After 1865\*
- \_\_\_ FREN 101 French Level I\*
- \_\_\_ FREN 102 French Level II\*
- \_\_\_ FREN 201 French Level III\*
- \_\_\_ FREN 202 French Level IV\*
- \_\_\_ HUMA 100 Theatre Appreciation\*
- \_\_\_ #HUMA 118 Music Appreciation\* (Advanced Fine Arts) (3)
- \_\_\_ PHIL 101 Introduction to Philosophy\*
- \_\_\_ PHIL 102 Introduction to Ethics\*
- \_\_\_ PHIL 220 Philosophy of Religion\*
- \_\_\_ #SPAN 101 Spanish Level I\* (Spanish 3) (4)
- \_\_\_ #SPAN 102 Spanish Level II\* (Spanish 3) (4)
- \_\_\_ #SPAN 201 Spanish Level III\* (Spanish 4) (3)
- \_\_\_ #SPAN 202 Spanish Level IV\* (Spanish 4) (3)

# MCHS Dual Credit: No fees apply for these courses offered at MCHS. Students must meet ITCC admission requirements to earn college credit.

+ MCHS/ITCC Dual Enrollment Course: Fees apply if a student does not earn a "C-" or higher in dual enrollment courses. Student must meet ITCC admission requirements to be enrolled in and must return the MCHS/ITCC Contracts.

Students may choose to take other ITCC courses listed above at the family's expense. Ivy Tech will bill the student.

# PATHWAYS

## ...practical partnerships

Education is changing and a broader focus is the goal for all students. In 2017, the Graduation Pathways Panel working with the Indiana State Board of Education established graduation pathway recommendations that create an educated and talented workforce able not just to meet the needs of business and higher education, but able to succeed in all postsecondary endeavors.

Each student needs to be given the tools to succeed in some form of quality of postsecondary education and training including an industry-recognized certification program, an associate's degree, or a bachelor's degree. The focus is a broad **awareness** of and **engagement** with individualized career interests and career opportunities, a strong foundation of **academic** and **technical** skills, and **demonstrated employability skills** that lead directly to additional educational and employment opportunities following high school.

Since 2014, MCS has been committed to the continuous fostering of partnerships with local, global industries, business leaders, the non-profit sector, and community organizations such as economic development entities to understand the local/regional climate and opportunities for educational impact within our walls and into our community through:

### Investment in Education that is Aligned with Industry Sectors by Region

MCHS has dedicated resources who work with regional partners to understand what we need to know about area industries that are important to and fuel our regional economy, what they anticipate to be their strategic needs down the road, and how we can help create a curriculum to prepare students for college and/or career.

### Focus on Work and Learn Opportunities for Students

We have strategically curated partnerships with numerous community business and industry leaders to create opportunities that allow us to focus on internships, work-based learning environments, and apprenticeships for students in areas of potential interest.

Beginning with the Class of 2023, successful graduates must satisfy all three of the Graduation Pathway Requirements by completing ONE of the associated Pathway Options.

## Graduation Pathways Requirements & Options



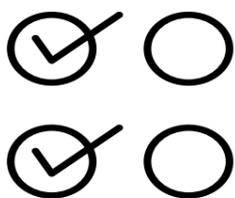
**High School Diploma**

Complete the statutorily defined diploma and curricular requirements.



**Learn and Demonstrate Employability Skills**

Complete ONE of the following:  
Project-Based Learning Experience, or;  
Service-Based Learning Experience, or;  
Work-Based Learning Experience



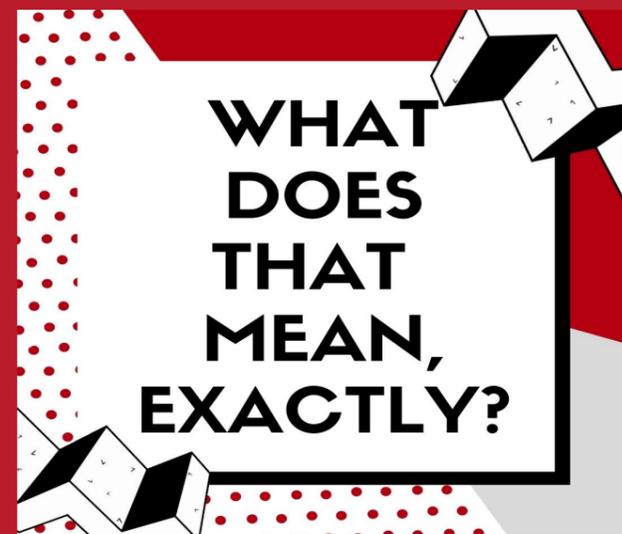
**Post-Secondary Ready Competencies**

- Honors Diploma;
- ACT;
- SAT;
- ASVAB;
- State-and Industry-recognized Credential or Certificate;
- State-, Federal-, or Industry-recognized Apprenticeship;
- Career -Technical Education Concentrator;
- AP/IB/Dual Credit/Cambridge International courses or CLEP Exams; OR
- Locally created pathway

**1** or more options successfully completed by the student

# Terminology & Acronyms

Education has its own vocabulary - full of acronyms and terms that we use 'internally' as we implement the state requirements of academic achievement. Sometimes these terms make things confusing for those not in the schools everyday - here is a list of things you may hear over the next four years and what it means for your student.



## ACT Test

The ACT is one of two commonly used tests designed to assess high school student's general educational development and their ability to complete college-level work. The ACT covers the skill areas of reading, writing, and math. There is an annual schedule of dates where students can register for the test through ACT.

## ASVAB Test

The Armed Services Vocational Aptitude Battery (ASVAB) is a heavily researched and well-respected aptitude test developed by the Department of Defense. It measures a young adult's strengths and potential for success in military training. All MCHS students take the ASVAB test as sophomores.

## Advanced Placement (AP) Courses

College-level classes offered for students who are above average in academic standing. Students may earn college credits by achieving a satisfactory score on the 5-point AP exam, usually by scoring a 3 or better.

## Clinical

Students apply knowledge and skills with hands-on learning at the facility under the supervision of the instructor.

## College

A two- or four-year institution of higher learning that students enter after completing high school. Colleges offer a bachelor's degree after completion of a four-year course of study or an associates degree after completion of a two-year course.

## College admission requirements

The explicit expectations that a college describes for students who wish to be accepted. Examples include, a high school diploma, completion of certain subjects, and minimum scores on admissions tests such as the SAT and ACT.

## College Board

An organization that sponsors college admissions testing such as the SAT test, as well as, AP Exams. All test registration goes through College Board and is the responsibility of the student to create an account, register for, and manage test dates.

## Core Curriculum

The body of knowledge that all students are expected to learn. High-level expectations are outlined in the diploma types and differ by diploma distinction.

## Credit

Points given to a student for successful completion of a course.

## CTE - Career and Technical Education

CTE is the practice of teaching specific career skills to students in middle school, high school, and post-secondary education. It is a broad educational field broken down into high demand career clusters.

## Diploma

A diploma is awarded to a student who successfully completes the course requirements defined by the Indiana Department of Education. Students may fulfill requirements for different diplomas based on their academic plan.

## Dual Credit

A term given to courses in which high school students have the opportunity to earn both high school and college credits simultaneously.

## Dual Enrollment

Refers to students who take courses at two separate institutions or are enrolled in two academic programs at the same time. Should students receive academic credit from both schools, they have earned dual credit.

## Elective Courses

Classes chosen by the student from a number of optional subjects or courses in a curriculum, as opposed to the required courses a student must take.

## Externship

An externship is at the end of a student's program when all lecture and classroom training is complete. The final practicum is externship. They are applying cumulative knowledge in the real world setting while working with a facility staff member.

## Grade Point Average (GPA)

The average of a student's grades over a set period of time, such as four years of high school. The GPA is used to establish class rank and is often a significant determinant of college admission.

*Weighted GPA* is calculated after adding extra points for honors or Advanced Placement (AP) courses.

## Internship

A temporary position in which an individual (student) learns to perform a job or an activity by working under the supervision of an experienced person in the field. In some fields of study, MCHS students are given the opportunity to participate in an internship with local educational partner.

## Project-Based Learning

A teaching technique in which students learn by doing, engaging in activities that lead to the creation of products based on their own experiences.

## SAT Test & SAT Accountability

A college entrance exam of verbal and mathematical reasoning skills. Also, managed by College Board, there is an annual schedule published where students can take the exam. Students must create an account with College Board, register for, and manage test details.

*PSAT Test* is a free preparatory test given to all students during their sophomore year.

## Service-Based Learning

Community service by a student in a non-school setting. Service-learning aims to deepen students' learning and promote problem-solving by having them engage in socially useful activities in the local community.

## Transcript

A student's secondary record, which identifies courses taken, grades, graduation status, and attendance. It often includes scores for such assessments at the PSAT, SAT, ACT, AP tests, etc. *Parchment* - students must create an account with [Parchment](#), the digital credential service, in order to have access to and share their transcripts with colleges.

## Work-Based Learning

Work-based learning is an educational strategy that provides students with real-life work experiences where they can apply academic and technical skills and develop their employability. These are programs that target to bridge the gap between learning and doing.

# CUB ENTERPRISES

## Career Technical Education

Ever-expanding opportunities include:

Advanced Manufacturing  
Welding  
(MIG, TIG, Stick, Flux Core)  
OSHA 10

Certified Nursing Assistant (CNA)  
Medical Assisting  
Pre-Nursing

Engineering  
Industrial Maintenance  
Diesel Engine Systems

Agriculture  
Informatics  
Education Careers  
Culinary

Curriculum, programs, and diploma requirements update frequently, be sure to check with your counselor for the most up-to-date information.



Career Technical Education, or CTE, is a reinvigorated, broad field of study that promotes and supports programs that provide 21st-century academic and technical skills for all students. MCHS offers courses both on campus and in partnership with Ivy Tech Community College - Madison Campus (ITCC) that can lead to Certificates, Technical Certificates, Internships, and long-term employment in high-wage, high-demand careers.

# CUB ENTERPRISES

## Career Technical Education



### Internships

MCHS partners with a number of community and business leaders to provide hands-on internships in a student's chosen pathway. Some internships are paid, lead to summer employment opportunities, and supplement the classroom experience with real-life work experience. Our internship partners work hand-in-hand with our educators to create accountability, develop the soft skills necessary for success in the workplace, and teach students what employers are seeking in a viable workforce.

### Certifications

MCHS and Ivy Tech Community College - Madison Campus create opportunities for students to complete course work leading to either a Certificate or a Technical Certificate in addition to their high school diploma. When students enroll in one of the pathway courses, they can graduate work-ready and often qualify for a higher starting wage due to the certifications earned while in high school.



Certificate (CT)

< VS >

Technical Certificate (TC)

3 - 7 courses, 9 to 21 credit hours

Sequences of technical or professional courses that provide access to targeted, short-term workforce training.

Completers may sit for specific certification exams.

Apply toward technical certificates and associate degree programs in the subject area.

10 - 13 courses, 30 credit hours or more

Provides education in conceptual and technical skills for specific occupations.

Contains a sequence of required courses in a recognized concentration within one of the programs at Ivy Tech Community College.

# ADVANCED MANUFACTURING PATHWAY



## Cub Manufacturing

Established in August 2015, a number of community partners and business and industry leaders have continued to make significant investments in this initiative. Through donations of equipment, time, expertise, or mentoring through an ongoing advisory board - our partners in education are invested in the success of the program and our students.

Area manufacturing leaders are faced with a pending retirement bubble of skilled laborers over the next 5 to 10 years and they see this model as a way to help students learn a trade and prepare them to enter the workforce all while completing their high school coursework.

Manufacturing is a key economic development component in Madison and Jefferson County. Home to several global companies, Madison has a long-standing presence in manufacturing dating back centuries. Madison Consolidated Schools is fortunate to have a coalition of community leaders who represent a diverse group of manufacturing companies who serve as partners in education and mentors to our teachers, staff, and students. Our partners have, and continue to invest a great deal of time, equipment, financial and/or human resources to help Madison Consolidated High School expand and develop our Advanced Manufacturing pathway curriculum and work-based learning experiences for our students.

While our primary focus is educating and preparing students for college and career opportunities, this unique partnership also helps us to better understand the growing needs of our community employers, what they look for in terms of workforce development, and allows us to help meet those needs by developing career-ready students in the field of Advanced Manufacturing.

"I 100% prefer hands-on learning. For me, when I am doing something with my hands and visually watching it happen, I learn better.

**Ally  
Zuckschwerdt**  
Class of '23

shares why Cub Manufacturing is a great fit for her learning style

I enjoy how Mr. Lamb explains how to do the work, shows us an example of the work, and leaves us to do our work. He is available for feedback if or when we need it - but the rest is up to us. This type of instruction helps me really learn, understand, and apply the process.

To the young girls starting to think about careers - don't be afraid to try anything and everything! There will be things you enjoy and things you don't - but you won't know until you try it."

Ally is also enrolled in agriculture classes at MCHS. She appreciates the benefits of the pathways program as she continues to explore career options in agribusiness, welding, and animal science.

# Engineering PATHWAY



## Cub Engineering

In 2019, Cub Industries became the first high school-based industry in the state to create their own college credentials with the Interdisciplinary Industrial Workforce Certificates. The Cub Industries Advisory Council along with the Ivy Tech Madison campus determined the courses that fulfill the requirements of these certificates for both the Engineering and Manufacturing tracts. While participating in Cub Industries, students can earn up to 18 college credit hours in courses primarily taught as dual credit by Mr. Lamb and Mr. Herrick. These courses include nationally recognized certifications, as well as industry-validated competencies with multidisciplinary electives tailored to fit the needs of our local industry.

## Internships

In the spring of 2021, Vehicle Service Group, LLC (VSG) partnered with Madison Consolidated High School to provide on-site, paid engineering internships.

Students from MCHS spend a portion of their day on-campus at the global headquarters working side-by-side with design and mechanical engineers on real-time projects.

Manufacturing has evolved into a highly technical field and Engineering is an essential element of product and equipment design, research, and development of product improvement, new market growth, as well as, any number of other components of individualized, niche market production.

Our key partnerships within the Advanced Manufacturing pathway cross over into our Engineering pathway, giving Madison Consolidated Schools a strategic advantage when it comes to providing our students with a vast array of opportunity. We are fortunate to have a coalition of community leaders who represent a diverse group of manufacturing companies who serve as partners in education and mentors to our teachers, staff, and students. Our partners have, and continue, to invest a great deal of time, financial, equipment, and/or human resources to help Madison Consolidated High School expand and develop our pathway curriculum and work-based learning experience for our students.

**Taylor Lynch**  
Class of 2022,  
participated in  
the first  
internship cohort  
at VSG



"I owe a huge thanks to my STEM teachers at MCHS who sparked my passion in the field, challenged me in the classroom, and taught me a great deal.

I plan to major in mechanical or aeronautical engineering and feel the curriculum, hands-on learning experiences, and unique opportunities offered at Madison Consolidated High School have prepared me well for my future academic and career path.

The internship opportunity at VSG gave me the confidence to know that I can manage a project, work within a high-performing team setting, and take what I have learned at MCHS to be a part of something larger."

# Medical / Health Sciences PATHWAY

## Medical Assisting

Ivy Tech Technical Certificate (TC)  
Total of 33 college credit hours

## CNA

CNA License  
Total of 5 college credit hours

## Pre-Nursing

Successful completion of pre-nursing coursework allows for direct apply to Ivy Tech nursing program.

The Medical / Health Sciences pathway at Madison Consolidated High School provides a foundation where students can choose to continue their academic journey toward a two or four-year program. This pathway leads to a wide range of possible careers and, combined with our PLTW curriculum and our strategic partnership with Ivy Tech, exposes students to opportunities within the region.

Careers in the medical and health sciences field are becoming more and more advanced. Regionally, the healthcare career sector offers a wide variety of high-demand, high-wage employment opportunities in a number of fields. Our goal is to align the curriculum with students' professional goals and area health care employer needs. With courses in biology, chemistry, anatomy and physiology, medical terminology, and PLTW Biomedical, students will begin to explore their interests in careers ranging from direct patient care to research and development to imaging and diagnostics. Students will also have opportunities for work-based internships and job shadowing.

## Kayla Dattilo Class of '22

On the Medical / Health  
Science Pathway

"The pathways program offered at MCHS has been very helpful in determining my career path. I always knew I wanted to help people. While I probably would have chosen this field, I have been given a unique opportunity to have a hands-on learning experience which has helped me confirm this is the career for me!"

Through the dual credit courses at Ivy Tech - Madison, Kayla will graduate in May with an Associates Degree and Technical Certificate in Medical Assisting. Following graduation, Kayla plans to attend a four-year college to pursue her Bachelor's in Nursing while working as a Medical Assistant.



## Clinicals & Externships

The spring of 2018 marked the beginning of the CNA program and the Medical & Health Science pathway offerings have expanded each year. As part of this program, we have partnered with Trilogy Health Services Madison and Hickory Creek Madison where students experience hands-on, immersive patient care opportunities with licensed staff as part of their learning as part of their clinical rotation.

The Medical Assisting program partners with Norton King's Daughters' Health to complete their hands-on, patient care responsibilities through the required externship program.

# Exploratory Studies PATHWAY

**Jacob  
Pearson  
Class of '22**



*"I have always had a passion for cooking. Through the pathway program at MCHS, I have been able to develop my skills through hands-on learning, expand my experience, which has led to several chef-in-training positions and confidence to know I can handle the pressure of a fast-paced kitchen."*

## Cub Culinary

Established in 2019, Cub Culinary has been established as a dual credit offering for the 2021-22 school year. Cub Culinary incorporates opportunities for an introduction to the foodservice and hospitality industries, food safety and sanitation, culinary math, food handling, menu preparation, and nutrition. Students work in an ever-expanding culinary lab and have the opportunity to work with area chefs and restaurateurs who visit periodically for demonstrations while sharing real-world experiences.

**Jorja Hazelwood  
Class of '22**  
Animal Science /  
Agriculture Pathway



The Exploratory Studies pathway, part of the state-recognized Pathways to Graduation, is a developing curriculum at Madison Consolidated High School that offers a broader approach to exploring curriculum. Though wide-ranging, the goal is to provide a foundation of knowledge across various subjects for students who desire to start and run their own business, pursue a career using their creative talents and skills, or want to explore a field of interest to help determine or define a career path - a safe space to navigate the landscape.

Courses offered may transfer into a degree program and include:

- Graphics
- Computer Science, Coding, and Web Design
- Hospitality
- Educational Professions
- Business

## Agriculture

The agriculture program engages students in hands-on activities in and outside of their classrooms while preparing them for real-world agriculture careers.

Dual credit courses through Ivy Tech make it possible for students to earn:

- Animal Agribusiness Certificate
- Food Science Certificate

In addition, the award-winning Madison FFA Chapter creates an abundance of leadership opportunities for students to grow personally, develop expertise in a number of ag-related fields, and compete at the state and national levels.

*"With this pathway, I have explored so many careers in agriculture from production to processing not only by learning but seeing and experiencing them first hand in our community. This has allowed me to look into possible careers and determine if they are a fit before making a decision about my future."*

*Having been raised in rural Jefferson County and a ten-year 4H member, Jorja was always surrounded by agriculture. It wasn't until Biology in eighth grade, followed by genetics, that she began thinking about ways to incorporate these interests into a career.*

*"There is no other program like FFA. Everybody talks about it being an agriculture program, which it is, but it is overall a large-scale leadership organization. I am the Madison FFA President and Indiana FFA Section IV Director where I am over Indiana's southern-most regions. In both of these positions, I have had the opportunity to participate in interviews, career, and leadership development events, and personal growth workshops. All have shaped me into the person I am today."*

# Fine Arts Academy

## a unique diploma distinction

As part of our Exploratory Studies pathway, the [Madison Fine Arts Academy](#) (currently a diploma designation) incorporates elements of music, creative dramatics, and art to create an academic experience unique to our region.

From outstanding theatre productions where students are involved in every aspect of the show, to the award-winning band and choir programs, to hands-on visual arts, and an in-depth focus on the appreciation of art and music history and theory- students are encouraged and challenged to explore their creativity!



## Igniting Passions Thespian Alumni

*"Exploration of and participation in the fine arts has led a number of former students to careers in music, theatre, and set design."* - Aaron Kelsey, Fine Arts Program Leader



## Cub Alumni in the Spotlight

Click the links below to check out the District Correspondent on former fine arts students:

[Andrea Davidson - '03](#)

[Bradley Lock - '05](#)

[Andrew Holcroft - '18](#)

[Luke Fisher - '07](#)

# 21st Century Scholars Program

Indiana's 21st Century Scholars program provides up to four years of undergraduate tuition\* to income-eligible students at participating colleges or universities in Indiana\*\*, as well as step-by-step guidance and support to make sure they succeed in college and receive support to finish their degree.



## Eligible candidates must:

1. Meet income eligibility requirements
2. Perform Academically  
Students must earn a cumulative (overall) high school GPA of 2.5 on a 4.0 scale
3. Complete the Scholar Success Program
4. Graduate with a high school diploma

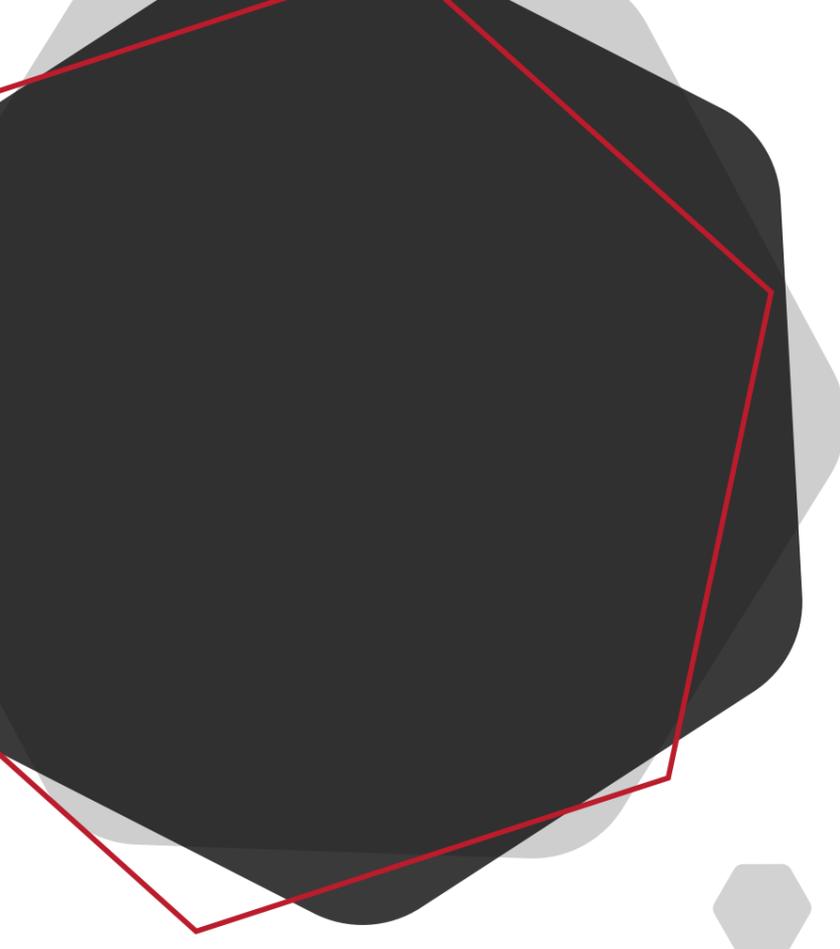
***Students must enroll in the program during their 7th or 8th grade year.***

***See your school counselor or visit this link.***

To learn more about the 21st Century Scholar program and see up to date requirements, visit:

[learnmoreindiana.org/scholar/about/](http://learnmoreindiana.org/scholar/about/)

\*The scholarship amount may be reduced depending on the availability of funds and the availability of the student's family to contribute to college.  
\*\*If you attend a public college, the state will award up to four year of undergraduate tuition. If you attend a private college, the state will award an amount comparable to that of a four-year public college. If you attend a participating proprietary (for-profit) school, the state will award a tuition scholarship equal to that of Ivy Tech Community College of Indiana.



# Thank you to our partners in education!

[Arvin Sango](#)

[City of Madison](#)

[Indiana Kentucky Electric Corporation](#)

[Ivy Tech Community College](#)

[Koehler Welding Supply](#)

[Madison Precision Products, Inc.](#)

[Trilogy Health - River Trace Health Campus](#)

[Royer Corporation](#)

[SuperATV](#)

[Vehicle Service Group](#)



[madison.k12.in.us/MCHS-HOME](https://madison.k12.in.us/MCHS-HOME)

---

743 CLIFTY DRIVE \* MADISON, IN 47250  
812.274.8002



MCS\_Indiana