Mishawaka High School
Course Offering Guide
2021– 2022

MISHAWAKA HIGH SCHOOL

MHS Academic Planning Information

Dual Credit & Early College Information

Indiana Graduation Requirements

Diploma Worksheet

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Mishawaka, IN 46544

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MishawakaSchools.com/mhs
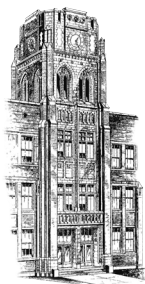
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MISSION STATEMENT
Mishawaka High School,
*in partnership with the community,
will graduate students who are academically
and socially prepared and capable
of adapting in a dynamic society.*

*Course descriptions may be found on the the
MHS website under the Academics tab:
www.MishawakaSchools.com/mhs*

MISHAWAKA
HIGH SCHOOL
An NCA CASI Accredited School

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December 2020

The Mishawaka Course Offering Guide contains all of the essential information for planning the 2021–2022 academic school year. Students should work with their parents/guardians, teachers, counselors and administrators in selecting an academic program that provides the most options and best prepares them for the future.

Graduation Options:

Traditional (for class of 2022, see page 4):

- 40-47 required credits, i.e., 8 English, 6 math, etc.
- Pass the ISTEP Graduation Qualifying Exam

Graduation Pathways (optional for class of 2022, but required for the class of 2023 and beyond, see page 6):

- 40–47 credits, i.e., 8 English, 6 math, etc.
- Demonstrate Employability Skills – complete one of the following which must be documented by MHS:
    o   Project-Based Learning (includes capstone and research classes)
    o   Service-Based Learning (includes a wide variety of extra-curricular activities; see page 26).
    o   Work-Based Learning
- Postsecondary Ready – complete at least one of the following which are available at MHS:
    o   Honors Diploma
    o   ACT or SAT with a college-ready benchmark score
    o   ASVAB with a minimum score on the AFQT to qualify for military entry. Note that military entry is not required
    o   State and Industry recognized credential or certification
    o   Career-Technical Education (CTE) Concentrator. This program is emphasized for all college and non-college bound students at MHS

A note about engagement -- Students must attend school physically or virtually and engage in order to earn credits. If virtual learning continues, students should get up, prepare for school, be visible on camera and engage as if they were in the school building. Anything less than that will dramatically reduce the chances that a student will graduate.
_____

21st Century Scholars
Indiana's 21st Century Scholars program offers income-eligible Hoosier students up to four years of paid tuition at an eligible Indiana technical school, college or university after they graduate from high school, dependent upon financial need. Parents/Guardians must enroll their student(s) by June 30th of their 8th grade year. Enroll at scholartrack.che.in.gov.

All students in this program should be part of the Early College program.

Early College
Mishawaka rising freshmen are encouraged to apply to Early College. Using a combination of academic support and dual-credit classwork, this program provides students with the opportunity to earn either their college freshman-year certificate or an Associate's degree. This program is for a wide variety of students: those who know they want to go to college and for those who are not college-bound. By earning core college credits and credentials in high school, students can shorten the time it takes to earn a degree, save large amounts of money, or enter the workforce better prepared. The Summer Bridge program is required. See pages 9- 16 for details.

Go Cavemen!
John Ross, Principal

COUNSELING PROGRAM

The MHS counselors are available to help students and their parents with personal, behavioral, educational, and vocational concerns.

Educational Planning

We strongly recommend that students take advantage of Mishawaka High School's comprehensive curricula. Each department is listed alphabetically, starting on page 18. Course descriptions are available at MishawakaSchools.com/MHS

DEFINITIONS

Credit- Credit is earned by the satisfactory completion of a semester's work. Usually one credit is given for each ninety minute block course.

Prerequisite- A prerequisite is a course which a student must pass before another course may be taken.

Semester- A school year is divided into two eighteen week semesters at Mishawaka High School.

Grading Period- A grading period is six weeks, three per semester.

Entrance Requirements for Colleges & Technical Schools

Each institution of higher learning [college, university, or technical school] has specific requirements for admission. Courses, G.P.A., test scores, and other admission requirements are available from each institution. Students can find this information on the institution's web page. Students should research this information as they plan their high school course of study.

College Scholarships

A number of Mishawaka High School seniors seek college scholarships each year. Students and parents annually are given information concerning the College Entrance Examination Board and the National Merit Scholarship competition (PSAT/NMSQT). All sophomores and juniors participate in the PSAT/NMSQT at MHS. Many other scholarship opportunities are offered by colleges, business and industrial firms, as well as civic, fraternal, and educational groups. Some awards require an examination; others require a written application or an interview. Students should consult their counselors to determine scholarship eligibility.

Advanced Placement, Advance College Project, & Dual Credit

Mishawaka High School offers a wide variety of AP and dual credit courses. Both AP and dual credit courses count toward high school credit. Additionally, dual credit courses may count towards college credit. A full listing of these courses is on page 13 of this guide. Students can develop a four year plan that leads to a one year certificate or an Associate Degree in General Studies from Ivy Tech with the right combination of ACP and other dual credit courses.

Advanced Placement [AP] - Several College Board Advanced Placement courses with AP exams are available. To take an AP exam, the student must be enrolled in the appropriate course at MHS. The State of Indiana or School City of Mishawaka covers the fees for some AP exams. Exam fees that are not covered become the responsibility of the student and parent. Details will be shared in the individual AP courses. Registration details are announced within the course and the national schedule of AP exams is strictly adhered to. Additional information about AP course work is available at www.collegeboard.org/ap. Each college determines if and how they will award credit for superior AP exam scores. AP exam scores and how they are linked to a specific university can be located at collegeboard.org/apcreditpolicy.

Advance College Project [ACP] - MHS offers numerous IU ACP classes for dual credit. Enrollment in IU ACP courses requires a minimum 2.7 GPA. *Students must complete an online application* with Indiana University for approval. Once approved by IU, *the student will register for college credit online using the IU directives in his or her IU account.* Applying for IU credit requires tuition payment to Indiana University South Bend. The cost is $25.00 per credit hour. There is a fee assistance plan for students who are part of the free/reduced lunch program at MHS. Transfer of credit to another college or university is the responsibility of the student.

Dual Credit- Students can earn additional dual credit through Ivy Tech Community College or Vincennes University for many courses at MHS. These courses are free. Instructors will provide details at the beginning of the school year. Dual credit may also be earned through most programs at the Elkhart Area Career Center.

Note: Many dual credit classes have prerequisites, some of which require students to achieve specific scores on the PSAT or equivalent tests. See page 10 for more information about prerequisites.

ADDITIONAL INFORMATION

Indiana Department of Education Academic Standards

The course descriptions are based upon academic standards developed by the Indiana Department of Education. The most current edition of those standards can be found under *Indiana Academic Standards* at www.doe.state.in.us

Book Fees

The fee for each course is based upon the text[s] and supplementary materials provided for each student enrolled. Honors and ACP course fee costs may be higher than average due to increased costs of materials. An individual book fee statement is developed for each student, based upon his/her courses for the year. The statements are mailed to the home in the fall. Typical book fees are about $250 per year, but can be approximately $400 if the student has several college credit courses.

Any student who is participating in the national Free & Reduced Meals program is exempt from paying book fees. The letter and application forms are mailed to each student's home address every summer.

National Honor Society

Membership in the organization signifies that the student has attained a high level of scholarship and has provided outstanding leadership and service to the school. To be eligible, a student must have been enrolled at Mishawaka High School for at least one semester. Eligibility is based on a 3.2 minimum scholastic average. Qualified students are then selected for NHS membership by a majority vote of the faculty council on the basis of scholarship, leadership, service, and character. Only juniors and seniors may be selected for membership in the National Honor Society. Membership is an honor and responsibility. This responsibility includes participation in both individual and group service projects.

NCAA Eligibility

The NCAA Eligibility Center handles all inquiries regarding an individual's initial eligibility status as a collegiate athlete. The Clearinghouse maintains and processes all of the initial-eligibility certifications. Students intending to participate in Division I sports should take the SAT or ACT in the fall semester of their junior year. All student athletes should register with the NCAA Clearinghouse in the Fall of their junior year.

For more information about the NCAA or to register with the Clearinghouse, log on to the following web site—www.eligibilitycenter.org.

Athletic Eligibility

Students must be passing five (5) full credits in both the preceding and **the current grading period** to be eligible for interscholastic athletics. The administration recommends that students take seven (7) full credit classes each semester. For more information, contact the Athletic Office at Mishawaka High School.

GRADING AND EVALUATION

Grading Scale		GPA Points	
Percent	Grade	Regular	Honors
100 – 98%	A+	4.33	5.42
97–94%	A	4.00	5.00
93–90%	A-	3.67	4.58
89–88%	B+	3.33	4.17
87–84%	B	3.00	3.75
83–80%	B-	2.67	3.33
79–78%	C+	2.33	2.92
77–74%	C	2.00	2.50
73–70%	C-	1.67	2.08
69–68%	D+	1.33	1.67
67–64%	D	1.00	1.25
63–60%	D-	0.67	0.83
59–0%	F	0.00	0.00

AN EXPLANATION OF COMPARATIVE ACHIEVEMENT SYMBOLS

A — Excellent achievement

B — Very good achievement

C — Satisfactory achievement

D — Minimum proficiency

F — Failure: The pupil has not achieved a passings mark. The student should undertake further work in order to become ready for subsequent subjects, courses, and grade levels.

I — Incomplete: The pupil has been granted additional time to complete required work before a letter grade is determined.

W — Withdrawn: Printed on the permanent transfer and not used in GPA computation.

WF — Withdrawn-Fail: Printed on the permanent transfer and is used in GPA computation.

N — No grade

Report Cards

Report cards are issued soon after the close of a six-week grading period. The report shows grades throughout the semester. Report cards are issued electronically at the end of each grading period. Refer to the school calendar for specific dates for the end of each grading period.

Semester Average

The semester grade is the result of the percent earned for the total semester's work, including a final exam, not an average of the progress report letter grades. Questions about grading procedures and standards should be referred to the teacher.

Auditing a Course Previously Passed

The better grade (no higher than a B) will be placed on the permanent record and count toward class rank/GPA. Only one credit will appear on the permanent record and count toward graduation.

Grade Point Average (GPA)

Grades: GPA is a critical part of your academic record, along with the rigor of the courses that you select. The GPA for each grading period is listed on the report card. The overall GPA is listed on a student's transcript and can also be monitored through the Skyward online information program for MHS parents.

GPA determines class rank. Colleges and scholarship programs look closely at a candidate's class rank in their review process.

Visit us on the Web

https://mishawakacounselin.wixsite.com/website

INDIANA CORE40

Course and Credit Requirements

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

40 Total State Credits Required

Schools may have additional local graduation requirements that apply to all students.

*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.

INDIANA CORE40 with Academic Honors
(minimum 47 credits)

For the **Core 40 with Academic Honors** diploma, students must:
• Complete all requirements for Core 40.
• Earn 2 additional Core 40 math credits.
• Earn 6–8 Core 40 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 "C" or better in courses that will count toward the diploma.
• Have a grade point average of "B" or better.
• Complete *one* of the following:
  A) Earn 4 credits in 2 or more AP courses and take corresponding AP exams
  B) Earn 6 verifiable transcripted college credits in dual credit courses from **priority course list**
  C) Earn two of the following:
    1. A minimum or 3 verifiable transcripted college credits from the priority course list.
    2. 2 credits in AP courses and corresponding AP exams.
    3. 2 credits in IB standard level courses and corresponding IB exams.
  D) Earn a combined score of 1750 or higher on the SAT critical reading, mathematics and writing sections and a minimum score of 530 each.
  E) Earn an ACT composite score of 26 or higher and complete written section.
  F) Earn 4 credits in IB courses and take corresponding IB exams.

INDIANA CORE40 with Technical Honors
(minimum 47 credits)

For the **Core 40 with Technical Honors** diploma, 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 **lists of priority courses** resulting in 6 transcripted college credits
• Earn a grade of "C" or better in courses that will count toward the diploma.
• Have a grade point average of "B" or better.
• Complete *one* of the following,
  A) Any one of the options (A–F) of the Core 40 with Academic Honors
  B) Earn the following scores or higher on Work-Keys; Reading for Information – Level 6, Applied Mathematics – Level 6, and Locating Information – Level 5.
  C) Earn the following minimum score(s) on Accuplacer; Writing 80, Reading 90, Math 75.
  D) Earn the following minimum scores(s) on Compass; Algebra 66. Writing 70, Reading 80.

INDIANA STATE BOARD OF EDUCATION

GRADUATION PATHWAYS PANEL
(Finalized 11/7/2017)

The purpose for this Panel is to establish graduation pathway recommendations for the State Board of Education 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. To account for the rapidly changing, global economy, every K-12 student needs to be given the tools to succeed in some form of quality postsecondary education and training, including an industry recognized certificate program, an associate's degree program, or a bachelor's degree program.

These recommendations seek to ensure that every Hoosier student graduates from high school with 1) a broad **awareness** of and **engagement** with individual career interests and associated career options, 2) a strong foundation of **academic** and **technical skills**, and 3) **demonstrable employability skills** that lead directly to meaningful opportunities for postsecondary education, training, and gainful employment. Students in the graduating class of 2023 must satisfy all three of the following Graduation Pathway Requirements by completing one of the associated Pathway Options:

Graduation Requirements	Graduation Pathway Options
1) High School Diploma	Meet the statutorily defined diploma credit and curricular requirements.
2) Learn and Demonstrate Employability Skills[1] (Students must complete *at least one* of the following.)	Learn employability skills standards through locally developed programs. Employability skills are demonstrated by one the following: • **Project-Based Learning Experience**; OR • **Service-Based Learning Experience**; OR • **Work-Based Learning Experience**.[2]
3) **Postsecondary-Ready Competencies**[3] (Students must complete *at least one* of the following.)	• **Honors Diploma**: Fulfill all requirements of either the Academic or Technical Honors diploma; OR • **ACT**: College-ready benchmarks; OR • **SAT**: College-ready benchmarks; OR • **ASVAB**: Earn at least a minimum AFQT score to qualify for placement into one of the branches of the US military; OR • **State- and Industry-recognized Credential or Certification**; OR • **State-, Federal-, or Industry-recognized Apprenticeship**; OR • **Career-Technical Education Concentrator**: Must earn a C average or higher in at least 6 high school credits in a career sequence; OR • **AP/IB/Dual Credit/Cambridge International courses or CLEP Exams**: Must earn a C average or higher in at least three courses; OR • **Locally created pathway** that meets the framework from and earns the approval of the State Board of Education.

Recommended Implementation Timeline:
• For current high school students, those graduating in 2019, 2020, 2021, or 2022, ISTEP 10/End-of-Course Assessments will continue to be used as the graduation qualifying examination.
  o Schools should work towards allowing students in these cohorts to opt-in to a Graduation Pathway in lieu of the graduation qualifying examinations.
• Once adopted by the State Board of Education, the Graduation Pathways will become effective for the graduating class of 2023 (eighth graders in 2018-19).
• **This recommendation becomes effective for all students beginning of 2019-20.**

GRADUATION PATHWAYS
Step 1: Earn required credits

The basic Indiana diploma is a Core-40 which, as the name implies, requires a minimum of 40 credits. A student can earn up to 60 credits in four years at MHS which provides a student with lots of opportunities for both career exploration and expanding knowledge. The four-year plans listed below not only satisfy the graduation requirements for step 1, they satisfy the requirements for steps 2 and 3.

It is important to note that any student who earns a basic Core-40 diploma, completes a CTE pathway, and maintains a 3.0 GPA with no Ds or Fs will qualify for an Honors diploma (Technical).

Core 40 w/Technical Honors: students bound for work or 2 or 4 yr.-year college...additional college later

		9 Fall	9 Spring	10 Fall	10 Spring	11 Fall	11 Spring	12 Fall	12 Spring
Core 40 w/Technical Honors	**English**	Four years of English							
	Math	Three years of Math							
	Science	Three years of Science							
	P.E./Social Studies	Four years of Physical Education and Social Studies							
	World L./Electives	At least four semesters of electives; recommend at least one year of a world language							
	Fine Arts/Electives	At least four semesters of electives; recommend at least one year of a fine arts							
						Pathway or elective	Pathway or elective	Pathway or elective	Pathway or elective
	CTE Pathway	Pathway	Pathway	Pathway	Pathway	Pathway	Pathway	Pathway	Pathway
						or		or	
	Directed Electives	College & Careers/ SH		Interpersonal Relations/ SH		Internship or SH		Internship or SH	

Career Technical Education (CTE) pathway completion is required for Technical Honors diploma.
* Jobs for America's Graduates (JAG) see page 29 for more information

Core 40 w/Academic Honors: student bound for 4 yr.-college upon graduation: career later.

		9 Fall	9 Spring	10 Fall	10 Spring	11 Fall	11 Spring	12 Fall	12 Spring
Core 40 w/Academic Honors	**English**	Eng 9 H-1	Eng 9 H-2	Eng 10 H-3	Eng 10 H-4	Eng 11 H-5	Eng 11 H-6	Eng 12 H-7 ACP W131	Eng 12 H-8 ACP L202
	Math	Alg I-1	Alg I-2	Alg II H-1	Alg II H-2	Geom I H-1	Geom I H-2	Pre-Calc H-1 MATH136	Trig H-2 MATH137
	Science	Bio I-1 H	Bio I-2 H	Chem I-1	Chem I-2	Phys I-1	Phys I-2 PHYS101		
	P.E./Social Studies	PE-1	PE-2	AP W Hist-1	AP W Hist-2	US Hist-1 ACP H105	US Hist-2 ACP H106	Gov Y103	Econ ECON101
	World Language	Any World Lang I-1	Any World Lang I-2	Any World Lang II-1	Any World Lang II-2	AWL III-1 xxxx101	AWL III-1 xxxx102	AWL IV-1 xxxx203	AWL IV-2 xxxx204
	Fine Arts/Electives	Fine Arts	Fine Arts			FRENCH, GERMAN, & SPANISH are available for college credit			
						Pathway or elective	Pathway or elective	Pathway or elective	Pathway or elective
	CTE Pathway	Pathway	Pathway	Pathway	Pathway	Pathway	Pathway	Pathway	Pathway
						or		or	
	Directed Electives	College & Careers/ SH		Interpersonal Relations/ SH		Internship SH		Internship or SH	

CTE Pathway completion can be an important element of a graduation pathway and prepares students to be college and career ready.

GRADUATION PATHWAYS
Step 2: Employability skills

There are three ways to complete Step 2, which are outlined on page 5 and explained here.

Project-based learning allows students to gain knowledge and skills by working for an extended period of time to investigate and respond to an authentic, engaging and complex question, problem, or challenge. The project is framed by a meaningful problem to solve or a question to answer, at the appropriate level of challenge. Students engage in a rigorous, extended process of asking questions, finding resources, and applying information. Students often make their project work public by explaining, displaying and/or presenting it to people beyond the classroom. Demonstrations include:
-Completion of a course capstone, e.g., Engineering Design and Development and Biomedical Innovations.
-Completion of a research project, e.g., Notre Dame Science Internship.

Service-based learning integrates meaningful service to enrich and apply academic knowledge, teach civic and personal responsibility (and other employability skills), and strengthen communities.
Demonstrations include:
-Participation in a meaningful volunteer or civic engagement experience, e.g., volunteer service or projects documented by the school.
-Engagement in a school-based activity, such as a co-curricular activity, extracurricular activity, or sport for at least one academic year, e.g., participation in two or more sports or academic teams or combination thereof. See a list activities on page 26.

Work-based learning is a strategy to reinforce academic, technical, and social skills learned in the classroom through collaborative activities with employer partners. Work-based learning experiences allow students to apply classroom theories to practical problems, to explore career options, and to pursue personal and professional goals.
-Completion of a course capstone, e.g., Strategic Marketing in conjunction with employment.
-Completion of an internship, e.g., any paid internship.
-Employment outside of the school day, preferably related to a CTE Pathway.

Step 3: Postsecondary-ready

This is the final graduation step. Students must complete at least one of the options listed below; most students will be able to complete several of them.

-Honors Diploma: Fulfill all requirements of either the Academic or Technical Honors diploma.

-ACT: College-ready benchmarks; 18 in English, 22 in Reading, 22 in Math, and 23 in Science (score benchmarks are subject to change).
-SAT: College-ready benchmarks; 480 in English and 530 in Math (score benchmarks are subject to change).
-ASVAB: Earn at least a minimum AFQT score to qualify for placement into one of the branches of the US military; entry to the military is not required. Current score requirement is 31.

-State, Federal or Industry-recognized Credential or Certification; some available at MHS, many at EACC.

-Career-Technical Education Concentrator: Must earn a C average or higher in at least 6 high-school credits in a career sequence; all students should complete a CTE pathway. Pathways are listed by department starting on page xx.

-AP/Dual Credit courses: Must earn a C average or higher in at least three courses one of which must be a core subject (English, math, science, social studies). Students in AP courses must take the corresponding AP exam.

Step 2: Employability skills

Step 3: Postsecondary-ready

Page 7

COLLEGE, CAREER, & CITIZENSHIP READINESS

Everyone knows that it is a good idea to earn a high school diploma, but it's even better when a graduate is ready for the next part of their journey. All paths lead to a career whether it is straight to work after high school or to a two or four year college. If you have a plan, you will be ready for that next step.

There are three distinct paths a student can take and all of them can be changed as the student's interest and focus changes. Ultimately, it's the student's choice, but the sooner a path is selected and the student keeps on the path, the better prepared the student will be for the future.

The citizenship component of CCCR is built into all paths, because of its obvious importance. It includes the soft skills that help a student succeed in school and their career. These skills include general skills like being dependable, working well with others, and having a growth mindset to more specific skills like résumé writing and interview skills.

Goal:

College Readiness
Bachelor's Degree and beyond (typical salary range is $30,000-$115,000):

Students that select this goal are those who know that a bachelor's degree is required for their career path or want to keep their options open on the career path they finally decide on.

Recommend:
* Strive for an Academic Honors or Technical Honors diploma (3.0 GPA)
* Consider taking Honors and AP classes
* Take at least five dual credit classes (15 college credits)
* Join the Early College program (goal: 30+ college credits)
* Complete a Career/CTE Pathway

College Readiness
Associate's Degree w/tech focus (typical salary range is $35,000-$65,000):

Students that select this goal are those who are striving for a technical certification and are keeping their options open for a bachelor's degree.

Recommend:
* Strive for an Academic Honors or Technical Honors diploma (3.0 GPA)
* Consider taking Honors and AP classes
* Take at least five dual credit classes (15 college credits)
* Join the Early College program (goal: 30+ college credits)
* Complete a Career/CTE Pathway

Career Readiness
Full-time job after graduation (typical salary range is $25,000-$55,000):

Students that select this goal are those who need to earn a living upon graduation and realize there are lots of careers where their employer will pay for additional education and that they could earn a great salary if they acquire technical certifications.

Recommend:
* Strive for a Technical Honors diploma (3.0 GPA)
* Take at least two dual credit classes (6 college credits)
* Complete a Career/CTE Pathway

Career and Citizenship Readiness:	Freshmen	Sophomore	Junior	Senior
Soft Skills Program during Advisory:	Dependability Growth Mindset	Working well with others	Résumé writing Interview Skills	FAFSA Job and College Applications
Career and Technical Education during 1/2 of Study Hall:	Preparing for College & Careers	Interpersonal Relationships	Adult Roles	Work-based Internship
			or	or
			CTE Pathway	CTE Pathway
			or	or
			Study Hall w/12+ Dual Credits	Study Hall w/12+ Dual Credits

College, Career, and Citizenship Readiness (CCCR)

EARLY COLLEGE (beginning with the class of 2019)

Mishawaka High School has had a significant dual credit program for several years in partnership with IU, Ivy Tech and Vincennes. Over 50% of MHS graduates earned dual credit last year. A recent expansion of the dual credit program at MHS makes it possible for a student to earn a one year certificate or an Associate's Degree in General Studies through Ivy Tech at little or no cost to the student. *All students are encouraged to apply if they meet the program prerequisites and students who are the first in their family to go to college are especially encouraged to apply.*

Prerequisites

For entry from 8th grade (starting the program as a freshman):

- Pass 7th grade English and Math ISTEP exams
- Complete the first semester of General or Honors English-8 with a B- or better
- Complete the first semester of Pre-Algebra or higher with a B- or better
- **2.5 GPA**
- 96% attendance and no out of school suspensions in 8th grade

For entry from 9th grade (starting the program as a sophomore):

- Pass 8th grade English and Math ISTEP exams or earn a college ready score on Accuplacer
- Complete the first semester of General or Honors English-9 with a B- or better
- Complete the first semester of Algebra-I or higher with a B- or better
- **2.7 GPA**
- 96% attendance and no out of school suspensions in 9th grade

Application

Applications are available in JYMS and MHS guidance offices and should be completed and returned to the student's guidance counselor by the end of January. Students who are unable to meet the deadline and students from other districts are eligible to participate in the EC program on a space-available basis.

Note: All students will be able to take dual credit classes whether they are part of the EC program or not, but those who are not will find it difficult to meet the Associate's degree requirements.

Selection and Scheduling

Students will be notified in late winter as to their acceptance into the program and scheduled for courses shortly thereafter. Available courses are on page 8 and sample four year plans are on page 11.

What is an Attainable Goal (one year certificate or an Associate's degree)?

If the student is involved in **several** extracurricular activities, the one year certificate is a smart choice. If the student has limited involvement in extracurricular activities, then the Associate's degree is doable with hard work and commitment by both the student and his or her family.

Summer Bridge Program

A three-week program tailored to help EC students prepare for the challenges of a rigorous high school and college curriculum will be available during summer school. Details about the dates, times and focus of the program will be published in early spring. **EC students are required to attend the Summer Bridge program <u>each year</u> to prepare them for the coming year. Rising 9th grade students who completed the 8th grade honors program are not required to attend the first year, but must attend subsequently.**

Support During the School Year

MHS provides supports including homework room, after-hours study tables, and tutors to help all students succeed.

All 21st Century Scholars should be in Early College!
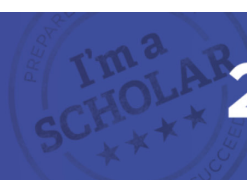
21st Century Scholars

7th and 8th Grade Parents:
Your Children May be Eligible
for a College Scholarship

Indiana's 21st Century Scholars program offers income-eligible Hoosier students **up to four years of paid tuition** at an eligible Indiana college or university after they graduate from high school, dependent upon financial need. In middle and high school, Scholars are connected to programs and resources to help them stay on track for college and career success. Once in college, Scholars receive support to complete their college degrees and connect to career opportunities. 7th and 8th grade Indiana students whose families meet income eligibility guidelines can apply to become a 21st Century Scholar. **Applications must be received by June 30 of the student's 8th grade year.**

21st Century Scholars Program Income Guidelines
(as of 11/2020 learnmoreindiana.org)

Household Size	Maximum Annual Income
2	$31,894
3	$40,182
4	$48,470
5	$56,758
6	$65,046
7 or more	For each additional person, add $8,288

Apply online at Scholars.IN.gov
Applications must be received by June 30 of the student's 8th grade year.

If you have questions, please contact your child's counselor.

Mishawaka High School
Early College Program
APPLICATION

Part A: to be completed by parent/guardian

Student Name:_____
<div style="text-align:center">last   first   middle</div>

Date of Birth: _____ Date:_____
<div>   MM/DD/YYYY</div>

Parent/Guardian #1 Name: _____
<div>   last   first   middle</div>

Address: _____
<div>   street</div>

_____
<div>   city   state   zip</div>

Parent/Guardian #2 Name: _____
<div>   last   first   middle</div>

Address: _____
<div>   street</div>

_____
<div>   city   state   zip</div>

Who does the student live with? P/G#1 ❑   P/G#2 ❑   Both ❑

Level Completed
GED
Education level of parent/guardian #1: _____ HS diploma
<div>   pick one from list on the right   Some college</div>
Associate's degree
Education level of parent/guardian #2: _____ Bachelor's degree
<div>   pick one from list on the right   Master's degree</div>
Professional or Doctoral degree

Does the student receive free or reduced lunch? Yes ❑ No ❑
Does the student intend to apply for the 21st Century Scholars Program? Yes ❑ No ❑

Essential family support:
1. You must ensure that your child is available to participate in the 3-week bridge program each summer, if required.
2. You must provide a quiet and safe place for your child to study/do homework for one to two hours per night.
3. You must check weekly on your child's progress and ensure that they are completing all assignments on time.
4. You must work closely with your child and the school in setting realistic goals and support your child in achieving them.

I understand the above requirements and agree to do my best to support my child in reaching their Early College goals.

_____   _____
<div>   (signature)   (signature)</div>

MHS Early College Program Application, page 2

Part B: to be completed by student

Pick one that most interests you from the following list:

- ❏ Business
- ❏ Culinary Arts, Hospitality & Human Services
- ❏ Performing Arts
- ❏ Visual Arts and Communications
- ❏ Liberal Arts (balance of core subjects)

- ❏ Manufacturing and Construction
- ❏ PLTW Biomedical and Health Science
- ❏ PLTW Engineering and Technology
- ❏ STEM (focus on Science, Technology, Engineering, Mathematics)

Why do you want to be a part of the EC program? (Please explain your goals – minimum 3 sentences)

Student commitment:
1. You must participate in the 3-week bridge program each summer, if required.
2. You must study/do homework for one to two hours per night at a minimum.
3. You must complete all assignments on time.
4. You must work closely with your parents and the school in setting realistic goals and strive to complete them.

I understand the above requirements and agree to do my best to reach my Early College goals.

_____
(signature)

Part C: to be completed by recommending teacher

Teacher Name: _____   How long have you known the student? _____

Teacher Comments (please comment on ability, persistence, and potential): *(optional)*

Does the student have attendance problems that will prevent his/her success in the program? Yes ❏   No ❏

Do you recommend the student for EC? Yes ❏   No ❏   _____
(signature)

	Mishawaka Dual Credit and AP Courses	College/Course Numbers	Pre-requisites
ART	AP Studio Art: Draw/2D/3D (2S: 11-12) (AP score 3+ for dc) Visual Communications (1S: 10-12) Drawing 2 (1S: 11-12)	H IvyT ARTS100/02/03 (3cr ea) IvyT VISC 102 (3cr) IvyT ARTS100 (3cr)	3.0 GPA RW RW
BUSINESS	**Digital Applications, Adv (1S: 10-12)** **Business Administration (1S: 11-12)** **Graphic Design and Layout (2S: 10-12)** Entrepreneur & NV (2S: 11-12)-dual credit with SUM class Business Law (2S: 10-12) dual credit pending	**IvyT CINS 101 (3cr)** H **IU ACP X100 (3cr)** **IvyT VISC 115 (3cr)** IvyT ENTR 101/105/ 201/205/210/250 (3cr ea) IvyT BUSN 201 (3cr)	RW 2.7 GPA RW RW RW
ENGINEERING & TECHNOLOGY	**PLTW Introduction to Engineering Design (2S: 9-12)** **PLTW Principles of Engineering (2S: 10-12)** **PLTW Civil Engineering and Architecture (2S: 11-12)** **Arch. Drafting/CAD I (2S: 11-12)** **Arch. Drafting/CAD II (2S: 11-12)** Construction Technology I/II (4S: 11-12) dual credit pending	H **IvyT DESN 101 (3cr)** H **IvyT DESN 104 (3cr)** H **IvyT DESN 105 (3cr)** **VU DRAF 140 (3cr)** **VU DRAF 150 (2cr)** IvyT BCTI 101/102 (3/3cr)	none DESN101 DESN104 none DRAF140 none
FACS	Culinary Arts I	IvyT HOSP101 (2cr)	
ENGLISH	**English Composition (1S:12)** **Literary Interpretation (1S:12)** Public Speaking (1S: 11-12) **Argumentative Writing (2S: 11-12)-dual credit pending in 2019**	H **IU ACP W131 (3cr)** H **IU ACP L202 (3cr)** H IU ACP S121 (3cr) **H** H **IvyT ENGL 215 (3cr)**	2.7 GPA W131 2.7 GPA W131
MATH	**Finite Math (2S: 11-12)** **Algebra II Honors (2S: 10-12)** **Pre-calculus Honors (2S: 9-12)** **Calculus AB (2S: 11-12);** may be taken as an AP class. **Calculus BC (2S: 11-12);** may be taken as an AP class.	H **IU ACP M118 (3cr)** H **IvyT MATH 136 (3cr)** H **IvyT MATH 137 (3cr)** H **IU ACP M215 (5cr)** H **IU ACP M216 (5cr)**	2.7 GPA M27 M27 2.7 GPA M215
SCIENCE	**Humans & the Biological World (2S: 11-12)** **Human Physiology & Anatomy (2S: 11-12)** **Intro to Biology (Summer school only)** **Intro to Chemistry I (2S: 11-12)** **Physics I (Calculus based; 2S: 11-12)** AP Physics 1 (Algebra based; 2S: 11-12) (AP score of 3+ for dc) AP Physics 2 (Algebra based; 2S: 11-12) (AP score of 4+ for dc)	H **IU ACP L100 (5cr)** H **IU ACP P130 (3cr)** H **IvyT BIOL101 (3cr)** H **IvyT CHEM101 (3cr)** H **IU ACP P221 (5cr)** H IvyT PHYS101 (4cr) H IvyT PHYS102 (4cr)	2.7 GPA 2.7 GPA RWM RWM27 2.7 GPA 3.0 GPA** PHYS 101
SOCIAL STUDIES	**United States History I/II (2S: 11-12)** **Political Science (1S: 11-12)** Economics (H) AP Microeconomics (1S: 11-12) (AP score of 3+ for dc) AP Macroeconomics (1S: 11-12) (AP score of 3+ for dc) AP Psychology (1S: 11-12) (AP score of 3+ for dc) AP World History (2S: 10-12) (AP score 3+ for 3dc)	H **IUACP H105/H106 (3/3cr)** H **IUACP Y103 (3cr)** H IvyT ECON101 (3cr) H IvyT ECON202 (3cr) H Ivy T ECON201 (3cr) H IvyT PSYC101 (3cr) H IvyT HIST112 (3/3cr)	2.7 GPA 2.7 GPA RWM27 101 101 3.0 GPA 3.0 GPA
WORLD LANGUAGES+	**German III (2S: 11-12)** **German IV (2S: 11-12)** **French III (2S: 10-12)** **French IV (2S: 11-12)** **Spanish III (2S: 10-12)** **Spanish IV (2S: 11-12)** Cadet Teaching/Futures in Education (2S: 11-12)	**IUACP G150 (4 Cr)** **IUACP G200/G250 (3/3cr)** **IvyT F101/F102 (4/4cr)** H **IUACP F200/F250 (3/3cr)** **IvyT S101/S102 (4/4cr)** H **IUACP S200/S250 (3/3cr)** H IUACP F200 (3cr)	2.7 GPA 2.7 GPA RW 2.7 GPA RW 2.7 GPA 2.7 GPA

(Left vertical label: HIGH SCHOOL COURSES for ADVANCED PLACEMENT or DUAL CREDIT)

Many Ivy Tech courses require students to score a 25 in critical reading, 26 in writing and 27 in math on the PSAT or equivalent on the SAT, ACT or Accuplacer to qualify for credit.

Key: R=Reading, W=Writing, M=Math, AC=Accuplacer, CLM=college level math

1S = First semester; 2S - second semester; numbers following designations indicate grade levels allowed.

Course in bold are on the Priority Dual Credit List

**Testing prerequisite for PHYS 101 credit is a AAF score of 263 or earning credit in MATH 137

EARLY COLLEGE (using dual credit for a one-year certificate)

The Statewide Transfer General Education Core (equivalent to the freshman year of college at Indiana state schools) is available to Mishawaka students enrolled in the Early College program. Every student who is eligible for and invited into the program is capable of successfully completing the certificate and earning an Academic Honors diploma. At minimum, Early College students are expected to earn 15 or more college credits; some may even be capable of earning an Associate's degree. Early College students must maintain a 2.7 GPA or higher to take IU ACP dual-credit

Ivy Tech's Statewide Transfer General Education Core (STGEC one year certificate)

The STGEC is designed to prepare students for successful transfer to the Indiana public bachelors degree granting institution of their choice. Students who complete the STGEC requirements must transfer all credits to Ivy Tech which will grant the certificate. This is true for the Associate's degree as well.

Two STGEC Pathways:

Students may choose to complete one of two pathways, depending upon the selected major: the traditional STGEC or the STEM*/calculus-based STGEC for students pursuing a college major that will require a strong science and mathematics foundation. The differences in course requirements and selections are noted in the charts below.

Academic Competencies

Competency	Credits (STEM)	Credits
Written Communication	STEM: 3 credits	3 credits
Speaking and Listening	STEM: 3 credits	3 credits
Quantitative Reasoning	STEM: 6-9 credits	3-9 credits
Scientific Ways of Knowing	STEM: 6-10 credits	3-10 credits
Social and Behavioral Ways of Knowing	STEM: 3-6 credits	3-9 credits
Humanistic and Artistic Ways of Knowing	STEM: 3 credits	3-9 credits

Traditional STGEC

9 Fall	9 Spring	10 Fall	10 Spring	11 Fall	11 Spring	12 Fall	12 Spring	Written Communication	Speaking and Listening	Quantitative Reasoning	Scientific Ways of Knowing	Social and Behavioral Ways of Knowing	Humanistic and Artistic Ways of Knowing
ENG 9H		ENG 10H		ENG 11H		ENGL111	ENGL112	6					
				Speech	S122				3				
ALG I	GEOM I					MATH 136/MATH 137				6			
BIO I				CHEM I		CHEM101					3		
				H105	H106	ECON101	GOV					9	
				FREN101	FREN102								8

or FREN101/102 or GERM150   35

The STGEC is granted by Ivy Tech. Students must earn 30 college credits within the 6 proscribed competencies (listed above). Three credits must come from each competency, and the twelve additional credits will come from courses the students choose within MHS and other course offerings. Other requirements are that students must have 15 total credits from Ivy Tech, take one Ivy Tech course their senior year, and earn an overall STGEC GPA of 2.0.

STEM-focused

9 Fall	9 Spring	10 Fall	10 Spring	11 Fall	11 Spring	12 Fall	12 Spring	Written Communication	Speaking and Listening	Quantitative Reasoning	Scientific Ways of Knowing	Social and Behavioral Ways of Knowing	Humanistic and Artistic Ways of Knowing
ENG 9H		ENG 10H		ENG 11H		ENGL111		3					
					S122				3				
	GEOM I			MATH 136/MATH 137		CALC AB				10			
BIO I			CHEM I	CHEM101		PHYS101					7		
				H105	H106							6	
				SPAN101	SPAN102								8

or FREN101/102 or GERM150   37

Please note that students do have some choice within these pathways: Some courses like Speech and English 111 (or IUACP W131), are required, yet other competencies allow students to choose their foreign language, dual-credit math courses, and science courses. All Early College students need to communicate frequently with their guidance counselor, advisor, and Ivy Tech College Connection Coach to ensure they are taking the right courses, properly enrolled with higher-education partners, and on-track for successful completion of the STGEC. Students who complete all 30 STGEC credits in the first semester of their senior year will receive their certificate from Ivy Tech in the spring of their senior year. Students who complete their STGEC courses in the spring of their senior year will receive their certificate from Ivy Tech in August. Students are responsible for ensuring that their transcripts from Indiana University and College Board are sent to Ivy Tech in order for credits within the STGEC to be properly noted by Ivy Tech.

Many of Mishawaka High School's dual credit core courses are earned through Indiana University's Advanced College Project (ACP) and several others are earned through Ivy Tech. If a student earns 30 hours with the correct distribution in the six academic competencies listed and earns at least 15 from Ivy Tech (at least three in their senior year), they will qualify for the one year certificate.

DUAL CREDIT for a TRANSFER GENERAL EDUCATION CORE (STGEC)

Ivy Tech's Associates Degree in General Studies

<table>
<tr><td rowspan="3">DUAL CREDIT for an ASSOCIATES DEGREE</td><td rowspan="6">Required</td><td rowspan="6">16 credits</td><td>IVYT</td><td>111</td><td>Student Success Elective</td><td>1</td><td>IVYT111</td></tr>
</table>

Category			Prefix	Num	Course	Credits	Code
Required (16 credits)			IVYT	111	Student Success Elective	1	IVYT111
			COMM	101	Fundamentals of Public Speaking	3	*S121*
			POLS	101	Introduction to American Government and Politics	3	Y103
			ENGL	111	English Composition	3	*W131*
			ENGL	215	Argumentative Writing	3	ENGL215
			GENS	279	General Education Capstone Course Note: course offered through Ivy Tech)	1	GENS279
Quantitative Reasoning (3+ credits)			MATH	135	Finite Math	3	*M118*
			MATH	136	College Algebra	3	MATH136
			MATH	137	Trigonometry with Analytic Geometry	3	MATH137
			MATH	200	Statistics	3	AP
			MATH	211	Calculus I	4	*M215*
			MATH	212	Calculus II	4	*M216*
Scientific Ways of Knowing (3+ credits)			BIOL	101	Introductory Biology (dual credit pending)	3	BIOL101
			BIOL	105	Biology I	5	BIOL105
			CHEM	101	Introductory Chemistry I	3	CHEM101
			CHEM	105	General Chemistry I	5	CHEM105
			PHYS	101	Physics 1	4	AP/PHYS101
			PHYS	102	Physics 2	4	AP/PHYS102
			PHYS	220	Mechanics	5	*P221*

> Course numbers that are shaded black or gray are active dual credit classes that can be applied to an

Category			Prefix	Num	Course	Credits	Code
Social/Behavioral Ways of Knowing (3+ credits)			ANTH	154	Cultural Anthropology	3	ANTH 154
			ECON	101	Economics Fundamentals	3	ECON101
			ECON	201	Principles of Macroeconomics	3	AP
			ECON	202	Principles of Microeconomics	3	AP
			PSYC	101	Introduction to Psychology	3	AP
			HIST	101	Survey of American History I	3	*H105*
			HIST	102	Survey of American History II	3	*H106*
			HIST	112	World Civilization II	3	AP
Humanistic and Artistic ways of Knowing (3+ credits)			ENGL	202	Creative Writing	3	ENGL202
			ENGL	206	Introduction to Literature	3	*L202*
			ENGL	214	Introduction to Poetry	3	
			ENGL	220	Introduction to World Literature Through the Renaissance	3	
			ENGL	221	Introduction to World Literature After the Renaissance	3	
			ENGL	222	American Literature To 1865	3	
			ENGL	223	American Literature After 1865	3	
			FREN	200	French Level I (HS Fren IV-1)	3	*F200*
			FREN	250	French Level II (HS Fren IV-2)	3	*F250*
			GERM	150	Beginning German II (HS Germ III)	4	*G150*
			GERM	200	Intermediate German I (HS Germ IV-1)	3	*G200*
			GERM	250	Intermediate German II (HS Germ IV-2)	3	*G250*
			SPAN	200	Spanish Level I (HS Span IV-1)	3	*S200*
			SPAN	250	Spanish Level II (HS Span IV-2)	3	*S250*

> Course numbers that are in **bold/italic** are IUACP courses and those in regular print are

* 12+ elective credits are required from quantitative reasoning or ways of knowing categories listed above.

Statewide Electives** (about 20 credits)

Engineering		Art/Culinary		Business/Cadet Teaching		Science/World L.	
DESN101	Intro to Engnr	ARTS100	AP Draw	*BUSX100*	Prn Bus Mgt		Biomed Sci
DESN104	Principles of Eng	ARTS102	AP 2D Design	BUSN201	Business Law		Human Body Sys
DESN105	Civil Eng & Arch	ARTS103	AP 3D Design	ENTR101	Entrepreneur-SUM		Med Intervention
BCTI101	Const Tech I	ARTS100	Drawing 2	ENTR105	Entrepreneur-SUM	BIOT107	Biomed Innov.
BCTI102	Const Tech II	VISC102	Visual Comm	MKTG101	Prn of Mkt	*L100*	Human Bio
DRAF140	CAD I (Vincennes)	VISC115	Graphic Design	CINS101	Intro to Microcomp		
DRAF150	CAD II (Vincennes)	VISC105	Video & Sound	ENTR201	Venture Growth		
ADMF101	Adv Mfg I	VIDT210	Production Editing	ENTR205	Financial Mgmt		
ADMF102	Adv Mfg II			ENTR210	Entr Tax & Fin		
ADMF112	Robotics II			ENTR250	New Venture Dev		
ADMF116	Comp Int Mfg	HOSP101	Sanitation & Safety	*F200*	Cadet Teaching		

** 15 credit hours maximum can be acquired in any single course prefix.

EARLY COLLEGE (using dual credit for an associate's degree)

It is proven in high schools across the country that average and high-ability students that work hard can earn an Associate's degree while in high school. You can be one of them.

Listed below are *sample* four year plans that a student could follow to meet both high school diploma and Associate's degree requirements. Students can mix and match a variety of classes at any point in the program to suit their individual interests and still meet Ivy Tech degree requirements.

The plans are set up with two axioms:

1) The development of exceptional critical reading and writing skills are essential, hence the scheduling of Early College students for Honors English.

2) Core 40 math culminating with pre-calculus or higher provides a solid foundation for college and is achievable by all EC students.

Sample four year plans for a few areas of interest. Customize your own to suit your interests.

Engineering

	9 Fall	9 Spring	10 Fall	10 Spring	11 Fall	11 Spring	12 Fall	12 Spring
English	Eng 9-1H	Eng 9-2H	Eng 10-1H	Eng 10-2H	Speech	*S121*	*W131*	ENGL215
Math	Alg I-1	Alg I-2	Geom I-1	Geom I-2	Alg II H		MATH136	MATH137
Science	Bio I-1 (9)	Bio I-2 (9)	Chem I-1	Chem I-2	PHYS101		PHYS102	
Social S.	PE-1	PE-2	W Hist-1	W Hist-2	*H105*	*H106*	*Y103*	AP ECON
World L.	Fren I-1	Fren I-2	Fren II-1	Fren II-2	FREN101	FREN102	*FREN200*	*FREN250*
Elective								
D/Elective	CC/IVYT111		DigApps	CINS101	Health	elective	elective	GENS279
Concentration	IED/DESN101		POE/DESN104		CEA/DESN105		SH	SH
College credits per semester	2	2	1.5	4.5	12	15	12.5	13.5

Art

	9 Fall	9 Spring	10 Fall	10 Spring	11 Fall	11 Spring	12 Fall	12 Spring
English	Eng 9-1H	Eng 9-2H	Eng 10-1H	Eng 10-2H	Speech	*S121*	*W131*	ENGL215
Math	Alg I-1	Alg I-2	Geom I-1	Geom I-2	Alg II H		MATH136	MATH137
Science	Bio I-1 (9)	Bio I-2 (9)	Chem I-1	Chem I-2	Chem II/CHEM101		elective	elective
Social S.	PE-1	PE-2	W Hist-1	W Hist-2	*H105*	*H106*	*Y103*	ECON101
World L.	Span I-1	Span I-2	Span II-1	Span II-2	SPAN101	SPAN102	*SPAN200*	*SPAN250*
Elective			Bus Law/BUSN201				*P130*	
D/Elective	CC/IVYT111		DigApps	CINS101	Health	SH	SH	GENS279
Concentration	Intro 2D	elective	Draw 1	ARTS100	SH	VISC102	VISC115	
College credits per semester	0.5	0.5	1.5	7.5	10	16	13.5	14.5

Business

	9 Fall	9 Spring	10 Fall	10 Spring	11 Fall	11 Spring	12 Fall	12 Spring
English	Eng 9-1H	Eng 9-2H	Eng 10-1H	Eng 10-2H	Speech	*S121*	*W131*	ENGL215
Math	Alg I-1	Alg I-2	Geom I-1	Geom I-2	Alg II H		MATH136	MATH137
Science	Bio I-1 (9)	Bio I-2 (9)	Chem I-1	Chem I-2	Chem II/CHEM101		*P130*	
Social S.*	PE-1	PE-2	W Hist-1	W Hist-2	*H105*	*H106*	*Y103*	ECON101
World L.	Fren I-1	Fren I-2	Fren II-1	Fren II-2	FREN101	FREN102	*FREN200*	*FREN250*
Elective								
D/Elective	CC/IVYT111		DigApps	CINS101	Health	SH	elective	GENS279
Concentration	Acct I-1	Acct I-2	Bus Law/BUSN201		BUSN101	elective	ENTR101	ENTR105
College credits per semester	0.5	0.5	1.5	4.5	13	13	15	16

Technology

	9 Fall	9 Spring	10 Fall	10 Spring	11 Fall	11 Spring	12 Fall	12 Spring
English	Eng 9-1 H	Eng 9-2 H	Eng 10-1 H	Eng 10-2 H	Speech	*S121*	*W131*	ENGL215
Math	Alg I-1	Alg I-2	Geom I-1	Geom I-2	Alg II H		MATH136	MATH137
Science	Bio I-1 (9)	Bio I-2 (9)	Chem I-1	Chem I-2	Chem II/CHEM101		*P130*	
Social S.	PE-1	PE-2	W Hist-1	W Hist-2	EACC*	EACC*	*Y103*	GENS279
World L.	Span I-1	Span I-2	Span II-1	Span II-2	SPAN101	SPAN102	EACC	EACC
Elective				Health	EACC: Robotics			
D/Elective	CC/IVYT111		DigApps	CINS101	CIGM102	MPRO102	MPRO106	MPRO201
Concentration	IED/DESN101		POE/DESN104		MPRO100	MPRO122		
College credits per semester	2	2	1.5	4.5	13	16	12	10

*HS US Hist 1 & 2 and Economics in Summer School

Academic Areas

	Required Classes	Quantitative Reasoning	Scientific Ways of Knowing	Social/Behavioral Ways of	Humanistic/Artistic Ways of Know	Q/R and Ways of Knowing	Statewide Electives
	14	3	3	3	3	12	20

Engineering

Required Classes	Quantitative Reasoning	Scientific Ways of Knowing	Social/Behavioral	Humanistic/Artistic	Q/R and Ways of Knowing	Statewide Electives
9					3	
	3	4			4	
3			6			3
				3		11
2						3
						9
						63

Art

Required Classes	Quantitative Reasoning	Scientific Ways of Knowing	Social/Behavioral	Humanistic/Artistic	Q/R and Ways of Knowing	Statewide Electives
9					3	
	3	3			6	
			6			10
				4		3
2						3
						9
						61

Business

Required Classes	Quantitative Reasoning	Scientific Ways of Knowing	Social/Behavioral	Humanistic/Artistic	Q/R and Ways of Knowing	Statewide Electives
9					3	
	3	3			6	3
			6			10
				4		
2						3
						12
						64

Technology

Required Classes	Quantitative Reasoning	Scientific Ways of Knowing	Social/Behavioral	Humanistic/Artistic	Q/R and Ways of Knowing	Statewide Electives
9					3	
	3	3				3
1			3			
				4	4	3
4						12
						12
						64

EARLY COLLEGE (blending dual credit with Bethel College's REACH)

Bethel College's REACH Program (Register Early to Achieve College Hours) allows high school students to take certain Bethel College courses at a discounted tuition rate and earn college credit. Specific program and degree requirements may change.

Program overview

• **Apply for the program with Bethel College on-line for free.**

• **$100 per credit hour – up to 24 credits**

• **Must be a high school junior or senior from public, private or home school setting**

• **Have at least a 3.0/4.0 GPA through sophomore year**

• **Freshman (100) and sophomore (200) level courses offered**

• **Students must meet course prerequisites.**

• **Students will be issued a student ID card. The ID card will allow the student to participate in any of the general student activities on campus and use the library.**

Left margin (rotated): Associate Degree in Business Management at Bethel College/REACH Program

Academic Areas			
REACH classes at Bethel **17**	General Ed at MHS **12**	Major classes at MHS **21**	AP at MHS (Gen &) **12**

Management	9 Fall	9 Spring	10 Fall	10 Spring	Summer	11 Fall	11 Spring	Summer	12 Fall	12 Spring				
English	Eng 9-1H	Eng 9-2H	Eng 10-1H	Eng 10-2H		Speech	**S121**		**W131**	**L202**		9		
Math	Alg I-1	Alg I-2	Geom I-1	Geom I-2		Alg II-1	Alg II-2		**MATH136**	**MATH137**				
Science	Bio I-1 (9)	Bio I-2 (9)	Chem I-1	Chem I-2		**P130**			**ACCT203**	**ACCT204**	6	3		
Social S.	PE-1	PE-2	W Hist-1	W Hist-2	HS US Hist	SH	**AP ECON**	HS Gov	**BIBL216**	**ECON202**	3			6
World L.	Fren I-1	Fren I-2	Fren II-1	Fren II-2		**FREN101**	**FREN102**		SH	SH				
Elective						**SOC 151**			**AP Psychology**					6
D/Elective	**CC/IVYT111**		**DigApps**	**CINS101**		**BUSN101**	**THEO110**	**PHIL150**	**BUSN105**	**BADM222** *	8		10	
Concentration	Acct I-1	Acct I-2	**Bus Law/BUSN102**			**ENTR101**	SH		**Prin Mktg/MKTG101**				9	

College credits per semester for AA			1.5	4.5	3	9	12	2	15	15	
Optional col crs	1.5	1.5				3	3		3	3	60

Notes:

Link to apply on-line for Bethel's REACH program: https://www.bethelcollege.edu/create-account.html

College level courses are in bold and those required for the AA degree are shaded in gray or black.

* One REACH class (3 credits) will be required during the summer after high school graduation to complete the AA degree.

A score of a 3, 4, or 5 are required on the AP exams for the courses to count for college credit.

Associates Degree in Business Management

	General Education	
REACH at Bethel	**THEO 110 Exploring the Christian Faith**	3
IU ACP S121 Public Speaking	COMM 171 Speech Communication	3
IU ACP W131 English Composition	ENGL 101 Written Communication II	3
AP Psychology	PSYC 182 General Psychology	3
AP Sociology*	SOC 151 Principles of Sociology	3
REACH at Bethel	**BIBL 216 New Testament Literature**	3
or	or	
REACH at Bethel	**BIBL 215 Old Testament Literature**	(3)
IU ACP Human Biology P130	Mathematics/Science with Lab	3
IU ACP L202 Literature	Music/Art/Literature/Drama	3
REACH at Bethel	**PHIL 150 Logic & Critical Thinking**	2

	Major	
REACH at Bethel	**ACCT 203 Fundamentals of Accounting I**	3
REACH at Bethel	**ACCT 204 Fundamentals of Accounting II**	3
IvyT BUSN101 Principle of Busn Mgmt	BADM 121 Introduction to Business	3
IvyT BUSN102 Principle of Busn Law	BADM 221 Business Law	3
BC BADM 222 Business Communication	BADM 222 Business Communication	3
IvyT BUSN105 Adv Busn Management*	BADM 321 Principles of Management	3
IvyT CINS101 Computer Apps	CAPP 130 Computer Applications	3
IvyT ECON201 Macroeconomics	ECON 229 Principles of Macroeconomics	3
IvyT ECON202 Microeconomics	ECON 230 Principles of Microeconomics	3
IvyT MKTG101 Principles of Mktg	Electives in accting, business or computer apps	3
IvyT ENTR 101 Entrepreneurship	Electives in accting, business or computer apps	3
REACH at Bethel	**Electives in accting, business or computer apps**	3
*Not currently offered		62

Departments and Pathways

ART

HS Course #s		HS Course Name/College #	# Semesters	HS Cr per Sem	Dual Credit Prereq			College Credit	Eligible Grades			
Fall	Spring				Read	Write	Math		9	10	11	12
0901		DSN FUNDAMENTALS	1	1					9	10	11	12
	0902	ADV 2D ART	1	1					9	10	11	12
0903		INTRO 3D ART	1	1					9	10	11	12
0904		DRAWING 1	1	1						10	11	12
	0905	DRAWING 2/ARTS100	1	1	25	26	NA	IvyT 3		10	11	12
0906	0907	PAINTING 1-4	1	1						10	11	12
0676	0677	GRAPHIC DESN/VISC115	2	1	25	26	NA	IvyT 3		10	11	12
0932	0933	VISUAL COMMS/VISC102	1	1	25	26	NA	IvyT 3		10	11	12
0908	0909	PHOTO 1, 2	2	1					9	10	11	12
0910	0911	PHOTO 3-8	2	1						10	11	12
0912	0913	CERAMICS 1, 2	2	1						10	11	12
0914	0915	CERAMICS 3, 4	2	1						10	11	12
0930	0931	SCULPTURE 1, 2	2	1						10	11	12
0918	0919	FIBER ARTS 1, 2	2	1						10	11	12
0920	0921	JEWELRY 1-4	2	1						10	11	12
0928	0929	ART HISTORY	1	1					9	10	11	12
0922	0923	AP DRAWING/ARTS100	2	H1	AP Score 3-5			IvyT 3			11	12
0924	0925	AP 2D DESIGN/ARTS102	2	H1	AP Score 3-5			IvyT 3			11	12
0926	0927	AP 3D DESIGN/ARTS103	2	H1	AP Score 3-5			IvyT 3			11	12
0934	0935	DIGITAL DSN	2	1	Independent study only							

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N=New
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D=On priority dual credit list
P/F=Pass/Fail

Fine Art related CTE Pathways

	9 Fall	9 Spring	10 Fall	10 Spring	11 Fall	11 Spring	12 Fall	12 Spring
Interactive Media	Intro to Communications 9th or 10th		Digital Apps 9th or 10th	Adv D Apps CINS101 (3)	Interactive Media 11th or 12th		Graphic Design IvyT VISC115 (3)	
MEDIA	DSN FUND or	Adv 2D Art or	Draw 1 or	Vis Comms VISC102 (3)	AP Draw ARTS100		AP 2D DSN ARTS101	
	Photo 1	Photo 2	Photo 3-6	Photo 3-6				

Interactive Media Pathway is related to Visual Arts and includes foundations in preparation for occupations involved in artistic creation through a variety of media and the use of an assortment of materials, including oils, watercolors, acrylics, pastels, pencils, pen and ink, photography, clay, stereo lithography 3D printing, and digital software. In addition, many courses provide college credit through Ivy Tech or the College Board. The course offerings and pathways allow the student to become an experienced artist in a variety of media with a concentration in particular themes and media in their Junior and/or Senior year.

Course descriptions may be found on the the MHS website under the Academics tab:
www.MishawakaSchools.com/mhs

BUSINESS

	HS Course #s		HS Course Name/College #	# Semes-ters	HS Cr per Sem	Dual Credit Prereq			College Credit	Eligible Grades			
	Fall	Spring				Read	Write	Math		9	10	11	12
	0626		COL&CAREER	**1**	S1: 1					9			
		0627	PERSONAL FINANCE	**1**	S1:1					9			
	0628		SDNT SUCCESS/IVYT111	2	S1: 1				S2: IvyT 1	9			
		0629	PERSONAL FINANCE	2	S1: 1					9			
Q	0601	0602	INTRO TO ACCT	2	1					9	10	11	12
NQ	0603	0604	ADV ACCT	2	1						10	11	12
Q	0664	0665	BANK&INVEST CAPSTONE	2	1							11	12
Q	0607	0608	BUS MATH	2	1						10	11	12
P	0611	0612	BUS LAW/BUSN201	2	1	25	26	NA	IvyT 3		10	11	12
N	0615	0616	INTRO TO ENTREPRENEUR	2	1					9	10	11	12
N	0657	0658	ENTREPRENEUR CAPSTONE	2	1							11	12
	0660	0661	ENTREPRE-SUM/ENTR101&105	2	2	25	26	NA	IvyT 3/3			11	12
	0678	0679	IUACP X100/PRN OF BUS MGMT	2	H1				S1: IU 3			11	12
	0653	0654	STRATEGIC MKTG	2	1								12
	0620	0621	WBL BUS&MKTG	2	3	*WBL is linked with 0678/0679 or 0653/0654							12
	0681	0682	WBL MULTIPATH	2	P/F							11	12
	0683	0684	WBL NC	2	0							11	12
P	0651	0652	PRN OF MKTG/MKTG101	2	1	25	26	24.5	IvyT 3	9	10	11	12
	0655	0656	MKTG IN HOSPITALITY	2	1						10	11	12
	0613	0614	SPORTS&ENT MKTG	2	1						10	11	12
	0687		DIG APPS 1	**1**	1					9	10	11	12
		0688	DIG APPS 2/CINS101	**1**	1	25	26	NA	IvyT 3		10	11	12
	0676	0677	GRAPHIC DSN/VISC115	2	1	25	26	NA	IvyT 3		10	11	12
	0692	0693	INTERACT MEDIA	2	1						10	11	12
	0624	0625	RADIO&TV I/VTSC205	2	3	25	26	NA	IvyT 3			11	12
	0633	0634	RADIO&TV II/VIDT210	2	3	25	26	NA	IvyT 3				12
	0694	0695	INFO TECH SPT I	2	1						10	11	12
N	0696	0697	INFO TECH SPT II	2	1	must take with NETWORK I						11	12
N	0698	0699	NETWORK I	2	1	must take with INFO TECH SPT II						11	12

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Business CTE Pathways

	9 Fall	9 Spring	10 Fall	10 Spring	11 Fall	11 Spring	12 Fall	12 Spring
Accounting, Finance **ACCOUNT**	Intro to Accounting		Adv Accounting*/**		Principles of Busn Mgt IUACP BUS X100 (3)*		Banking & Investing Capstone**	
					Business Law BUSN201 (3)			

This pathway includes learning how to create and interpret financial statement, what investment opportunities exist and how they affect the investor, and how the insurance industry works and much more. Careers that would be in this pathway included are stockbroker, auditor, CPA, tax accountant, etc.

	9 Fall	9 Spring	10 Fall	10 Spring	11 Fall	11 Spring	12 Fall	12 Spring
Entrepreneurship **ENTREPREN or** **MARKETING or** **MANAGEMENT**	Intro to Entrepreneurship		Principles of Marketing BUSN101 (3)*		Principles of Busn Mgt IUACP BUS X100 (3)**		Entrepreneurship Capstone*/**	
					Business Law BUSN201 (3)			

Entrepreneurship pathway includes learning to create and interpret financial statements, the different forms of business ownership, creating a business plan, laws surrounding business, learning how to market a product, and use of Microsoft Office Suite. Careers in this pathway include owning your own business, buying into a franchise, running a non-profit, being a business consultant, etc.

	9 Fall	9 Spring	10 Fall	10 Spring	11 Fall	11 Spring	12 Fall	12 Spring
Entrepreneurship **w/Start Up Moxie** **ENTREPREN or** **MARKETING or** **MANAGEMENT**	Intro to Entrepreneurship		Principles of Marketing BUSN101 (3)*		Principles of Busn Mgt IUACP BUS X100 (3)**		Entrepreneurship Capstone/ Start-up Moxie (SUM)*/** ENTR101 (3) ENTR105 (3)	
					Business Law BUSN201 (3)			

The Entrepreneurship/Start-Up Moxie program is an enhanced version of the Entrepreneurship Capstone program described above.

	9 Fall	9 Spring	10 Fall	10 Spring	11 Fall	11 Spring	12 Fall	12 Spring
Marketing **MARKETING**	Principles of Marketing BUSN101 (3)		Sports & Entertain Mkt and/or		Principles of Busn Mgt IUACP BUS X100 (3)		Strategic Marketing	
			Mkt in Hospitality		Business Law BUSN201 (3)		Work-based Learning Business & Marketing	

This pathway is designed to prepare students to learn Microsoft Office, identify target markets, learn to promote everyday products as well as sports and entertainment products or hospitality and travel services, identify laws pertaining to business, and evaluate consumer buying behavior. Careers in this pathway include sports management, public relations director, event planner, etc.

	9 Fall	9 Spring	10 Fall	10 Spring	11 Fall	11 Spring	12 Fall	12 Spring
Interactive Media **(Business Focus)** **MEDIA**	Intro to Communications 9th or 10th		Digital Apps 9th or 10th	Adv D Apps CINS101 (3)	Interactive Media 11th or 12th		Graphic Design IvyT VISC115 (3)	
	Intro 2D Art	Adv 2D Art	Principles of Marketing BUSN101 (3)					

This pathway provides instruction that includes advanced applications and integration of a professional suite and the use of emerging technology. It also incorporate a variety of visual art techniques as they relate to the design and execution of layouts and illustrations for advertising. Careers may include a social media specialist, mobile app designer, etc.

	9 Fall	9 Spring	10 Fall	10 Spring	11 Fall	11 Spring	12 Fall	12 Spring
PC Support **PCSUPPORT**	Intro to Communications 9th or 10th		Digital Apps 9th or 10th	Adv D Apps CINS101 (3)	Info Tech Support I		IT Support II, Capstone	
							Networking I	

This pathway provides instruction on computer hardware and software with emphasis on technical support. Students will have an opportunity to work on a variety of computer systems and acquire technical certifications.

ENGLISH

HS Course #s		HS Course Name/College #	# Semesters	HS Cr per Sem	Dual Credit Prereq			College Credit	Eligible Grades			
Fall	Spring				Read	Write	Math		9	10	11	12
0110	0111	ENGLISH 9	2	1					9			
0118	0119	LAL 9	2	1					9			
0112	0113	ENG 9	2	1					9			
0114	0115	ENG 9H	2	H1					9			
0122	0123	ENG 10	2	1						10		
0126	0127	LAL 10	2	1						10		
0124	0125	ENG 10H	2	H1						10		
0132	0133	ENG 11	2	1							11	
0134	0135	ENG 11H	2	H1							11	
0142	0143	ENG 12	2	1								12
0146		ENG 12/IUACP W131	1	HD1				IU 3				12
	0147	ENG 12/IUACP L202	1	HD1	W131			IU 3				12
0148		ENG 12/ENGL111	1	HD1	25	26	NA	IvyT 3				12
NP	0149	ADV COMP/ENGL215	1	HD1	ENGL111			IvyT 3				12
0161	Both	CREATIVE WR	1	1							11	12
0150	0151	ENL	2	1					9	10	11	12
0164		SPEECH	1	1					9	10	11	12
	0165	ADV SPEECH/IUACP S121	1	HD1				IU 3			11	12
0166		THEATRE ARTS	1	1					9	10	11	12
	0167	THEATRE PROD	1	1					9	10	11	12
N 0168	0169	ADV THEATRE ARTS 3-8	2	1						10	11	12
N 0170	0171	THEATRE PROD 3-8	2	1						10	11	12
0182	0183	JOURNALISM	2	1					9	10	11	12
0191	0192	STUDENT MEDIA YB	2	1					9	10	11	12
0193	0194	STUDENT MEDIA NP	2	1					9	10	11	12

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D=On priority dual credit list
P/F=Pass/Fail

FACS

HS Course #s		HS Course Name/College #	# Semesters	HS Cr per Sem	Dual Credit Prereq			College Credit	Eligible Grades			
Fall	Spring				Read	Write	Math		9	10	11	12
0701	0702	ADV NUTR&WELL	2	1					9	10	11	12
0705	0706	INTRO CUL ARTS	2	1						10	11	12
0711	0712	CUL ARTS I/HOSP I01	2	3	25	26		IvyT 2			11	12
0713	0714	CUL ARTS II/HOSP104	2	3	25	26		IvyT 3				12
0720	0721	INTRO HOUS&INTER	1	1					9	10	11	12
0732	0733	INTRO FASH TEX	2	1					9	10	11	12
0734	0735	FASH TEX CAREERS I	2	1						10	11	12
N 0736	0737	FASH TEX CAREERS II	2	1							11	12
0739	0740	ADV CHILD DEVLP	2	1						10	11	12
0741	0742	EARLY CHILD ED I	2	1							11	12
0743	0744	EARLY CHILD ED II	2	1								12
9703		INTERPERS REL (all sophs)	1	S1: 1						10		
	9004	STUDY HALL 10	1	S2: 0						10		
9705	9706	ADULT ROLE	1	1							11	12

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Q=Quantitative Reasoning

Dual Credit prerequisite scores are based on the PSAT or equivalent.
H=Honors
D=On priority dual credit list
P/F=Pass/Fail

Cosmetology CTE Pathway

	9 Fall	9 Spring	10 Fall	10 Spring	11 Fall	11 Spring	12 Fall	12 Spring
Cosmetology	Intro to Entrepreneurship		Interpersonal Relations		Cosmetology I		Cosmetology II	
COSMO	Intro 2D Art	Adv 2D Art						

Cosmetology classes are available through the Elkhart Area Career Center and Vogue Mishawaka. Both programs lead to licensure in cosmetology, yield high school credit and possibly college credit.

English related CTE Pathway

	9 Fall	9 Spring	10 Fall	10 Spring	11 Fall	11 Spring	12 Fall	12 Spring
Radio/TV **RADIOTV**	Intro to Communications		Journalism or Digital Media		Radio/TV I VTSC 105		Radio/TV II VIDT210	
			Marketing Fundamentals BUSN101 (3)				Work-based Learning Capstone	

Radio and Television provides students with learning experiences both in front of and behind the cameras and microphones. Students will have lessons and hands-on training in class with recording, scripting, and editing content. There will also be extensive project based learning and on-the-job training with real-world scenarios, long-form stories and live events in and around Mishawaka High School and the community.

FACS CTE Pathways

	9 Fall	9 Spring	10 Fall	10 Spring	11 Fall	11 Spring	12 Fall	12 Spring
Culinary Arts **CULINARY**	Adv Nutr & Wellness		Intro Culinary Arts		Culinary Arts I HOSP 101		Culinary Arts II HOSP 104	
							Work-based Learning Capstone	

Culinary Arts prepares students for occupations and/or higher education related careers in the food service industry. Instruction and lab experiences to include catering events will focus on commercial applications of culinary arts. Students will master the National Restaurant Association's ServSafe curriculum.

Fashion & Textiles **FASHION**	Computers in Design or Intro to Eng Design		Intro to Fashion & Textiles 9th or 10th		Fashion & Tex Careers I		Fashion & Tex Careers II	

Fashion and Textiles focuses on developing skills for careers in this field. Students will master basic hand sewing, machine sewing, serger skills, and computer embroidery machine knowledge. Students should augment classes in this pathway with art classes such as Intro to 2D Art and Fiber Arts.

Early Childhood Education **EARLYCHILD**	Adv Nutr & Wellness		Adv Child Develop		Early Childhood Ed I		Early Childhood Ed II	
							Work-based Learning Capstone	

This program prepares students for early childhood education careers. Students will learn and understand child's physical, intellectual, and social-emotional development from the prenatal stage through school-age. They will learn curriculum development to teach preschool age children, assess learning and assist in a preschool setting.

INDUSTRIAL TECHNOLOGY

HS Course #s		HS Course Name/College #	# Semes-ters	HS Cr per Sem	Dual Credit Prereq			College Credit	Eligible Grades			
Fall	Spring				Read	Write	Math		9	10	11	12
0801	0802	COMP IN DSN&PROD	2	1					9			
0803	0804	CAD I/VU DRAF140	2	1				VU 3		10	11	12
0805	0806	CAD II/VU DRAF150	2	1				VU 2			11	12
0807	0808	INTRO TO COMMS	2	1					9	10	11	12
0811	0812	INTRO TO DESIGN PROC (R&D)	2	1							11	12
0813	0814	ADV MFG I (HMPG)	2	H1							11	12
0827	0828	INTRO TO CONST	2	1					9	10	11	12
0834	0835	INTRO TO MFG	2	1					9	10	11	12
0837	0838	ADV MFG I/ADMF101	2	1				IvyT 3		10	11	12
0839 (NP)	0840	ADV MFG II/ADMF102	2	1				IvyT 3			11	12
0861	0862	CONST TECH I/BCTI101	2	3				IvyT 3			11	12
0863	0864	CONST TECH II/BCTI102	2	3				IvyT 3				12
0865	0866	INTRO ENG DES/DESN101	2	H1				IvyT 3	9	10	11	12
0867 (Q)	0868	PRN OF ENG/DESN104	2	H1				IvyT 3		10	11	12
0869 (Q)	0870	CIVIL ENG ARCH/DESN105	2	H1				IvyT 3			11	12
0871 (Q)	0872	COMP INTG MFG/ADMF116	2	H1				IvyT 3			11	12
0881	0882	ENV SUSTAINABILITY	2	1							11	12
0877 (Q)	0878	AEROSPACE ENG	2	H1							11	12
0879 (Q)	0880	ENG DSN&DEV	2	H1								12
0819 (N)	0820	ROBOTICS DSN INNOV	2	1					9	10	11	12
0815	0816	ROBOTICS I	2	1						10	11	12
0817 (P)	0818	ROBOTICS II/ADMF112	2	H3				IvyT 3			11	12
0883	0884	AD MFG I (R3)	2	H3				IvyT 3				12

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P/F=Pass/Fail

*Course descriptions may be found on the the
MHS website under the Academics tab:
www.MishawakaSchools.com/mhs*

Industrial Tech/Engineering, Math CTE Pathways

	9 Fall	9 Spring	10 Fall	10 Spring	11 Fall	11 Spring	12 Fall	12 Spring
Engineering	Intro to Eng Design (IED) IvyT DESN101 (3)		Principles of Eng (POE) IvyT DESN104 (3)		Civil Eng & Arch (CEA) IvyT DESN105 (3)		Eng Des & Dev (EDD)	
					or			
	Intro to Eng Design (IED) IvyT DESN101 (3)		Principles of Eng (POE) IvyT DESN104 (3)		Aerospace Engr (AE)		Eng Des & Dev (EDD)	
					or			
STEM ENGINEERING	Intro to Eng Design (IED) IvyT DESN101 (3)		Principles of Eng (POE) IvyT DESN104 (3)		Comp Integrated Mfg (CIM) IvyT ADMF116 (3)		Eng Des & Dev (EDD)	

The Engineering/STEM Pathway is the perfect choice for careers in engineering and technology. Instruction is hands-on/project-based with many real-world applications. A large number of the classes are worth college credit.

	9 Fall	9 Spring	10 Fall	10 Spring	11 Fall	11 Spring	12 Fall	12 Spring
Manufacturing	Robotics Design & Innovation		Robotics I		Robotics II ADMF112 (3)		Adv Mfg (R3)	
ADVMANUF								

The Automation and Robotics Pathway teaches students about robot design and industrial automation with hands on activities and project-based learning. Students will compete in the FIRST Technology Challenge and FIRST Robotics Challenge, as well as designing automated systems leveraging Programmable Logic Controllers.

	9 Fall	9 Spring	10 Fall	10 Spring	11 Fall	11 Spring	12 Fall	12 Spring
Engineering **STEM ENGINEERING**	Intro to Eng Design (IED) IvyT DESN101 (3)		Principles of Eng (POE) IvyT DESN104 (3)		Comp Intg Mfg (CIM) IvyT ADMF116 (3) Intro Design Process		Eng Des & Dev (EDD) Non-PLTW	
					or			
Manufacturing **ADVMANUF**	Intro to Mfg		Adv Mfg I ADMF101 (3)		Adv Mfg II ADMF102 (3) Intro Design Process		Adv Mfg (HMPG)	

Engineering/Manufacturing High Miles Per Gallon Car introduces students to the fundamental aspects of engineering and engineering technology to include processes and development of 3D solid models. Students will develop critical thinking and problem-solving skills through instructional activities that pose design and application challenges for which they develop solutions. This capstone course creates a challenging design project that involves the development and construction of a single-person, fuel-efficient vehicle. Vehicles are powered by a small four-cycle engine. Students have the opportunity to set a world fuel economy record.

	9 Fall	9 Spring	10 Fall	10 Spring	11 Fall	11 Spring	12 Fall	12 Spring
Advanced Manufacturing ADVMANUF	Computers in Design or Intro to Eng Design		Intro to Mfg		Adv Mfg I ADMF101 (3)		Adv Mfg II ADMF102 (3)	

The Advanced Manufacturing Pathway teaches students about modern manufacturing processes. Emphasis is placed on proper and safe tool operation, quality control, production, and maintenance operations. Students can earn four technical certifications from the Manufacturing Skills Standards Council (MSSC) and dual credit.

	9 Fall	9 Spring	10 Fall	10 Spring	11 Fall	11 Spring	12 Fall	12 Spring
Drafting & Design ARCHITECT	Housing & Interiors	Adv 2D Art	Computers in Design or Intro to Eng Design		CAD I VU DRAF140 (3)		CAD II VU DRAF150 (2)	

The Drafting and Design Pathway provides students with a great skill set in drafting. Every product, building, or process starts as a 2D drawing. Students will take the 2D drawings a step further and make 3D models using 3D printers and laser and plasma cutters to create working prototypes. Juniors and Seniors will have an opportunity to earn dual credit through Vincennes University for CAD I and CAD II.

	9 Fall	9 Spring	10 Fall	10 Spring	11 Fall	11 Spring	12 Fall	12 Spring
Construction Trades CONST	Intro to Mfg		Intro to Construction		Construction Tech I		Construction Tech II	

The construction trades pathway teaches the necessary carpentry and related skills to build a house from the foundation up. Students will be well prepared to begin an entry-level position in a wide variety of construction jobs or further study at a post-secondary institution.

	9 Fall	9 Spring	10 Fall	10 Spring	11 Fall	11 Spring	12 Fall	12 Spring
Computer Science	Intro to Computer Science		COMP SCI I		COMP SCI II		COMP SCI III CYBERSEC Capstone	

The Computer Science (CS) Pathway equips students with foundational and applicable knowledge of CS that can be used to further the pursuit of a CS degree or in the workforce. In this pathway students will work with JavaScript, Python, Mobile App creation, cyber-security, and video game design.

MATHEMATICS

	HS Course #s		HS Course Name/College #	# Semes- ters	HS Cr per Sem	Dual Credit Prereq			College Credit	Eligible Grades			
	Fall	Spring				Read	Write	Math		9	10	11	12
Q	0414	0415	Algebra I (9)	2	1					9			
	0416	0417	Math Lab AI	2	1					9			
Q	0427	0428	ALGEBRA I (9)	2	1					9			
	0429	0430	MATH LAB AI	2	1					9			
Q	0418	0419	ALG I (9)	2	1					9			
Q	0433	0434	ALG I	2	1						10	11	12
Q	0403	0404	ALGEBRA II	2	1						10	11	12
	0401	0402	MATH LAB AII	2	1						10	11	12
Q	0453	0454	ALG II	2	1						10	11	12
Q	0455	0456	ALG II H	2	H1					9	10	11	12
Q	0422	0423	GEOMETRY	2	1							11	12
	0405	0406	CCR MATH	2	1							11	12
Q	0441	0442	GEOM	2	1						10	11	12
Q	0443	0444	GEOM (9)	2	1					9			
Q	0445	0446	GEOM H	2	1					9	10	11	12
Q	0481		PRE-CALC	1	1						10	11	12
		0482	TRIGONOMETRY	1	1						10	11	12
Q	0483		PRE-CALC H/MATH136	1	HD1	25	26	27	IvyT 3			11	12
		0484	TRIG H/MATH 137	1	HD1	MATH136			IvyT 3			11	12
Q	0487	0489	CALCULUS (HS cedit only)	2	1							11	12
Q	0471	0472	FINITE M/IUACP M118	2	HD1				IU 3			11	12
Q	0485	0486	AP CAL AB/IUACP M215	2	HD1				IU 4			11	12
Q	0493	0494	AP CAL BC/IUACP M216	2	HD1				IU 5				12
Q	0495	0496	AP STATS/MATH200	2	HD1	AP Score 3-5			IvyT 3			11	12
	Summer School		ADV MATH CC/MATH136	1	1	25	26	27	IvyT 3		10	11	12

Courses in gray are AP or dual credit.
N=New
P=Dual Credit pending
Q=Quantitative Reasoning

Dual Credit prerequisite scores are based on the PSAT or equivalent.
H=Honors
D=On priority dual credit list
P/F=Pass/Fail

MUSIC

	HS Course #s		HS Course Name/College #	# Semes- ters	HS Cr per Sem	Dual Credit Prereq			College Credit	Eligible Grades			
	Fall	Spring				Read	Write	Math		9	10	11	12
	0951	0952	INTERM CONC BAND	2	1					9	10	11	12
	0938	0939	ADV CONC BAND	2	1						10	11	12
N	0963	0964	JAZZ ENSEMBLE	2	1					9	10		
	0965	0966	JAZZ ENSEMBLE H	2	H1							11	12
	0961	0962	INTERM ORCH	2	1					9	10	11	12
	0959	0960	ADV ORCH	2	1						10	11	12
	0941	0942	BEGIN CHORUS	2	1					9			
	0947	0948	INTERM CHORUS	2	1						10	11	12
	0943		ADV CHORUS	1	1						10	11	12
	0949	0950	CHORAL CHAMBER H	2	H1						10	11	12
	0953	0954	PIANO-KB	1	1					9	10	11	12
N	0936	0937	MUSIC HIS&APPREC	1	1					9	10	11	12
N	0957	0958	AP MUSIC THEORY/HUMA117	2	H1	AP Score 3-5			IvyT 3		10	11	12
	Summer School		MUSIC THEORY	1	1						10	11	12

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Q=Quantitative Reasoning

Dual Credit prerequisite scores are based on the PSAT or equivalent.
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D=On priority dual credit list
P/F=Pass/Fail

Performing Arts related CTE Pathways

Entrepreneurship ENTREPREN or MARKETING or MANAGEMENT	Intro to Entrepreneurship	Principles of Marketing BUSN101 (3)*	Principles of Busn Mgt IUACP BUS X100 (3)**	Entrepreneurship Capstone*/**
	plus			
	Choir/Band or Orchestra	Choir/Band or Orchestra	Choir/Band or Orchestra	Choir/Band or Orchestra
	or			
	THEATRE ARTS / THEATRE PRODUCTION	ADV THEATRE ARTS 3-8 or THEATRE PRODUCTION 3-8	ADV THEATRE ARTS 3-8 or THEATRE PRODUCTION 3-8	ADV THEATRE ARTS 3-8 or THEATRE PRODUCTION 3-8

The Management/Entrepreneurship Pathway is designed to give performing arts students the skills necessary to manage their careers and to function in both the performing arts and business world.

PHYSICAL EDUCATION

HS Course #s		HS Course Name/College #	# Semes-ters	HS Cr per Sem	Dual Credit Prereq			College Credit	Eligible Grades			
Fall	Spring				Read	Write	Math		9	10	11	12
0973	Both	HEALTH ED	1	1					9	10	11	12
	0974	ADV HEALTH	1	1						10	11	12
0977	0978	PHYS ED I, II	2	1					9	10	11	12
0981	0982	ELEC ADV PE 1-8	2	1						10	11	12
0979	0980	ELEC ADV WGTS 1, 2*	2	1					9	10	11	12
0983	0984	ELEC ADV WGTS 1, 2	2	1					9	10	11	12
0985	0986	ELEC ADV WGTS 3-8	2	1						10	11	12

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Dual Credit prerequisite scores are based on the PSAT or equivalent.
H=Honors
D=On priority dual credit list
P/F=Pass/Fail

Service-based Learning

Service-based Learning can be a combination of volunteer service, community service, and extra-curricular activities such as athletic and academic teams. All activities must be documented to qualify as part of a graduation pathway.

IHSAA Athletic Teams
Baseball
Boys Basketball
Boys Golf
Boys Soccer
Boys Swimming
Boys Tennis
Boys Track and Field
Boys X-Country
Football
Girls Basketball
Girls Golf
Girls Soccer
Girls Swimming
Girls Tennis
Girls Track and Field
Girls X-Country
Softball
Volleyball
Wrestling

Other Teams
Cheerleading
Dance
Bowling
Lacrosse
Champions Together

Academic Teams
Academic Super Bowl
    English
    Fine Arts
    Interdisciplinary
    Math
    Science
    Science Olymiad
    Social Studies

High MPG Car
Mock Trial
Quiz Bowl
Robotics
Spell Bowl

Other Programs
Jobs for America's Graduates (JAG) s
Peer Tutoring (Course-based only)

SCIENCE

HS Course #s		HS Course Name/College #	# Semes-ters	HS Cr per Sem	Dual Credit Prereq			College Credit	Eligible Grades			
Fall	Spring				Read	Write	Math		9	10	11	12
0510	0511	BIO I (9)	2	1					9			
0512	0513	BIO I	2	1						10	11	12
0574	0575	BIO IH	2	H1					9	10	11	12
0514	0515	BIO II	2	1							11	12
0554	0555	BIO II/IUACP BIO L100	2	HD1				IU 5			11	12
0548	0549	ANAT&PHYS	2	1							11	12
0520	0521	EARTH SCI I (9)	2	1					9			
0522	0523	EARTH SCI I	2	1						10	11	12
Q 0534	0535	INT CHEM PHYS (ICP)	2	1						10	11	12
Q 0550	0551	PHYSICS I	2	1						10	11	12
Q 0558	0559	IUACP PHYSICS P221	2	H1				IU 5			11	12
Q 0536	0537	AP PHYSICS 1/PHYS101	2	H1	M136 or M137 or CLM61			IvyT 4			11	12
Q 0538	0539	AP PHYSICS 2/PHYS102	2	H1	101			IvyT 4			11	12
Q 0544	0545	CHEM I	2	1						10	11	12
Q 0540	0541	CHEM IH	2	H1						10	11	12
Q 0556	0557	CHEM II/CHEM101	2	HD1	25	26	27	IvyT 3			11	12
N 0881	0882	ENV SUSTAINABILITY	2	H1							11	12
0562	0563	BIOMED SCI	2	H1					9	10	11	12
0564	0565	H BODY SYS	2	H1	BIOMED					10	11	12
0566	0567	MED INTERV	2	H1	HBS						11	12
0568	0569	BIOMED INNOV	2	H1	Med Interventions							12
0570	0571	SCI RESEARCH INTERN ND	2	P/F							11	12

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H=Honors
D=On priority dual credit list
P/F=Pass/Fail CLM=Accuplacer College Level Math

Science CTE Pathways

	9 Fall	9 Spring	10 Fall	10 Spring	11 Fall	11 Spring	12 Fall	12 Spring
Biomedical STEM	Biomed Sci (PBS)		Human Body Sys (HBS)		Med Interventions (MI)		Biomed Innovations (BI)	
					Anatomy and Physiology			

This pathway is designed for students who are interested in careers in the science and medical fields. Students learn medical terminology, human physiology, genetics and cancer, biomedical engineering, and much more. They will get real life experience through job shadows and internship programs in the fourth year of the program.

Science STEM	Intro to Eng Design (IED) IvyT DESN101 (3)		Principles of Eng (POE) IvyT DESN104 (3)		Environmental Sustainability		ND Science Research	
			Chemistry		ND Science Internship			

The ND Science Research is housed within the Center for Sustainable Energy at Notre Dame (ND Energy). Students will work directly with graduate students (and faculty) doing an energy research project. Understanding engineering and environmental issues related to energy are important background knowledge. A strong background in chemistry is highly recommended as these energy research projects are primarily based on the chemistry of materials.

Health Science	Biomed Sci (PBS)		Human Body Sys (HBS)		Anatomy and Physiology		Health Sci I	
	Biology I						Health Sci II Nursing	

Heath Science Nursing is a specialized program to prepare students to be licensed as a Certified Nursing Assistant (CNA). Students will go through extensive preparation to include classroom instruction, clinical experience, job shadows, and on-the-job-training. Students must have both exceptional performance <u>and</u> attendance to meet state licensure requirements.

SOCIAL STUDIES

	HS Course #s		HS Course Name/College #	# Semesters	HS Cr per Sem	Dual Credit Prereq			College Credit	Eligible Grades			
	Fall	Spring				Read	Write	Math		9	10	11	12
	0310	0311	GEOG & W HIST	2	1						10	11	12
	0331	0332	US HIST	2	1							11	12
	0333		IUACP US HIST H105	1	HD1				IU 3			11	12
		0334	IUACP US HIST H106	1	HD1				IU 3			11	12
Q	0350	Both	ECONOMICS	1	1								12
Q		0349	MACROECON/ECON201	1	H1	AP Score 3-5			IvyT 3				12
Q	0348		MICROECON/ECON202	1	H1	AP Score 3-5			IvyT 3				12
	0352		PSYCHOLOGY	1	1								12
		0353	SOCIOLOGY	1	1								12
		0354	TOPICS IN HISTORY	1	1								12
	0355	0356	AP PSYCHOLOGY/PSYC101	2	H1	AP Score 3-5			IvyT 3				12
	0360	Both	US GOVT	1	1								12
	0361	Both	GOVT/POLS Y103	1	HD1				IU 3				12
	0325	0326	AP W HIST MODERN	2	H1	AP Score 3-5			IvyT 3		10	11	12

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D=On priority dual credit list
P/F=Pass/Fail

WORLD LANGUAGE

HS Course #s		HS Course Name/College #	# Semesters	HS Cr per Sem	Dual Credit Prereq			College Credit	Eligible Grades			
Fall	Spring				Read	Write	Math		9	10	11	12
0210	0211	FRENCH I	2	1					9	10	11	12
0212	0213	FRENCH II	2	1						10	11	12
0214	0215	FRENCH III/F101, F102	2	D1	25	26	NA	IvyT 4/4			11	12
0216		FREN IV/IUACP F203	1	HD1				IU 3				12
	0217	FREN IV/IUACP F204	1	HD1				IU 3				12
0220	0221	GERMAN I	2	1					9	10	11	12
0222	0223	GERMAN II	2	1						10	11	12
0224	0225	GERMAN III G150	2	1				IU 4			11	12
0226		GERMAN IV H G200	2	H1				IU 3			11	12
	0227	GERMAN IV H G250	2	H1				IU 3			11	12
0241	0242	SPANISH I	2	1					9	10	11	12
0243	0244	SPANISH II	2	1					9	10	11	12
0245	0246	SPANISH III/S101, S102	2	D1	25	26	NA	IvyT 4/4		10	11	12
0247		SPAN IV/IUACP S203	1	HD1				IU 3			11	12
	0248	SPAN IV/IUACP S204	1	HD1				IU 3			11	12

Courses in gray are AP or dual credit.
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P=Dual Credit pending
Q=Quantitative Reasoning

Dual Credit prerequisite scores are based on the PSAT or equivalent.
H=Honors
D=On priority dual credit list
P/F=Pass/Fail

Course descriptions may be found on the the
MHS website under the Academics tab:
www.MishawakaSchools.com/mhs

EXCEPTIONAL LEARNERS

Special Education

Special Education services are available to all students who are eligible according to the Federal and State guidelines and who have current Individual Education Plans (IEPs) specifying the type and amount of services to be provided. These services include, but are not limited to, the following:

Consultation Services

The student is served in the general education classroom with consultation and support from the special education teacher. Accommodations may be made to the curriculum, materials, tests, classroom management, or classroom environment.

Resource Services

The student is served in the general education classroom but receives regular, direct support from the special education teacher. Direct support may include remedial tutoring, curriculum adaptations, testing, and direct instruction. Resource services can be provided for 20% of the school day or less.

Part-time Special Education Services

A special education teacher serves the student for 21% to 60% of the school day. Classes are offered in a special education setting and taught by a special education teacher. In a special education course, curriculum content may not meet the state proficiency requirements for a diploma.

Full-time Special Education Services

The student is served by a special education teacher for more than 60% of the school day. Full-time programs are provided to students who have such significant special education needs that they cannot benefit from instruction with only part-time support. Full-time services include three program options:

Applied Courses: Students who elect applied courses are served by a special education teacher in a special education setting. These courses contain modified curriculum. These courses do not meet the state proficiency requirements for a diploma. Students work on developing vocational and real life skills that will result in a Certificate of Completion. Courses offered in the applied setting vary by year and are dictated by the Indiana Course of Study for Certificate of Completion.

The Functional Life Skills Program
This program is an activity/community based program designed to make students with significant disabilities as independent as possible within the school and community environments. Whenever appropriate, students receive their training in general education settings with non-disabled peers. Students do not earn course credit toward a diploma but will receive a Certificate of Completion. Courses available in the functional life skills program include (but are not limited to):

Reading
Math
Health
Foods
Physical Education
Work Experience
Community Based Instruction

Anyone having specific questions about Exceptional Learners, may contact the Executive Director, Mrs. Barbara Michalos at 254-4528.

If there are specific questions about the Mishawaka High School program for students with special needs, can be directed to the Department Chairperson, Jennifer Grimm at 254-7349.

SPECIAL EDUCATION

Courses for a Diploma							
HS Course #s		HS Course	HS Cr per Sem	Eligible Grades			
Fall	Spring	Name/College #		9	10	11	12
4122	4123	ENGLISH 3, 4	1	9	10		
4132	4133	ENGLISH 5, 6	1			11	12
4142	4143	ENGLISH 7, 8	1			11	12
4433	4434	ALGEBRA I	1		10	11	12
4431	4432	B SKILLS MATH	1		10	11	12
0451	0452	ANALYTIC ALG II	1		10	11	12
0449	0450	MATH LAB AA2	1		10	11	12
0422	0423	GEOMETRY	1			11	12
0405	0406	CCR MATH	1			11	12

Courses for a Certificate			
HS Course #s		HS Course Name/College #	Gr
Fall	Spring		
3009	3010	APPL HEALTH	9-12
3011	3012	APPL B SKILLS	11-12
3110	3111	APPL ENG 9, 10	9-10
3130	3131	APPL ENG 11, 12	11-12
3165	3166	APPL DEV READ	9-12
3310	3311	APPL CIVICS	9
3320	3321	APPL GEO&W HIS	10
3330	3331	APPL GOV	11-12
3403	3404	APPL BUS MATH	10-12
3398	3399	APPL ALG	9-10
3512	3513	APPL BIO I	9-12
3522	3523	APPL E SCI	9-12
3610	3611	APPL COL&CR	9-10
3701	3702	APPL NUTR&WELL	9-12
3977	3978	APPL PE	9-12
3871	3872	APPL CR INFO	11-12
3873	3874	APPL CR EXPL	11-12
3875	3876	APPL WBL	9-12
3877	3878	APPL COM SVC	11-12

Certificate of Completion:

Pursuit of a Certificate of Completion is a Case Conference decision based on the individual needs of the student. Students on this path (starting with the class of 2022) must meet the requirements for the Course of Study for Certificate of Completion while meeting the individual goals and transition needs stated in the student's Individual Education Plan (IEP). Students on this track are focused on meeting high individual expectations. Communication skills, reading skills, problem solving skills are woven into all classes.

WORK-BASED LEARNING

WBL is a culminating course in a student's logical sequence of courses for
first-hand experience related to the Indiana Career Pathway diploma.

WORK-BASED LEARNING (WBL)

Work Based Learning Capstone is a stand-alone course that prepares students for college and career. Work-Based Learning means sustained interactions with industry or community professionals in real workplace settings, to the extent practicable, or simulated environments at an educational institution that foster in-depth, first hand engagement with the tasks required of a given career field, that are aligned to curriculum and instruction. Work Based Learning experiences occur in workplaces and involve an employer assigning a student meaning-ful job tasks to develop his or her skills, knowledge, and readiness for work. A clear partnership agreement and training plan is developed by the student, teacher, and workplace mentor/supervisor to guide the student's work-based experiences and assist in evaluating achieve-ment and performance. Related instruction shall be organized and planned around the activities associated with the student's individual job and career objectives in a pathway and shall be taught during the same semester the student is a participant in the work-based experience. For a student to become employable, the related instruc-tion should cover: (a) employability skills, and (b) specific occupational competencies.

Strategic Marketing & Work Based Learning:

Most WBL students take WBL in tandem with Strategic Marketing to maximize credit earnings and fulfill pathway requirements.

- Recommended Grade: 12
- Required Prerequisites: Complete at least one advanced career technical education (CTE) course from a program or programs of study.
- Worksite placement must align to the student career pathway.
- Recommended Prerequisites: none
- Credits: 1 semester course, 1-3 credits per semester, 6 credits maximum
- A minimum of 85 hours of workplace and classroom activities are required for one credit; 170 hours are required for the two credits. Of the 85 or 170 hours, 18 to 36 hours (at least 1 hour a week or the equivalent over a semester or year) must be spent in related classroom instruction.
- Counts as a directed elective or elective for all diplomas

Benefits of WBL:

- Exposes students to career opportunities
- Gives students opportunities to observe professionals in action
- Helps students network with potential employers
- Enhances student employability skills
- Provides a potential talent development pipeline for local companies
- Connects classroom learning to real-world experiences

Cooperative Education and WBL:

Cooperative Education is an approach to employment training that spans all career and technical education program areas through school-based instruction and on the job training. Time allocations are a minimum of fifteen hours per week of on-the-job training and approximately five hours per week of school-based in-struction, focused on employability skills development. Additionally, all state and federal laws and regulations related to student employment and cooperative educa-tion must be followed.

- Recommended Grade: 12
- Required Prerequisites: none
- Recommended Prerequisites: Preparing for College and Careers, two credits in a career and technical education course
- Credits: 2 semester course, 2 semesters required, 1-3 credits per semester, 6 credits maximum
- Counts as a directed elective or elective for all diplomas

Mishawaka High School is developing partnerships with local industry to provide internship opportunitie*s. One such company is B and B Molders.*

B and B Molders:

Wondering what life after high school could look like if higher education is not part of your near-term plans after graduation? Explore the possibilities of a career working for a local plastics manufacturing company (B & B Molders). This course will provide you with practical, hands-on, real life experience while earning high school credits and receiving a weekly wage.

Get a first-hand look at designing, testing and producing molded plastic parts sold throughout the United States. You will spend time in each of the following manufacturing departments: Engineering & Design, Raw Material Handling & Mixing, Mold & Tool MakingPlastics Processing, Mold Repair, Production Floor Press Operation, and Quality Control & Monitoring.

You will learn each department's workflow and how they work together to produce a quality product on a consistent, repeatable basis.

You will be working in a scientific molding operation which is highly automated. State of the art machinery includes Computer Numerical Control (CNC) milling equipment,

15 hydraulic and electric injection molding presses along with automated assembly equipment. You will have exposure to current design software programs including Autodesk Inventor, MoldFlow, MasterCam and AutoCad.

Successful students interested in pursuing a career in manufacturing after graduation may qualify for educational assistance from their employer to further develop their skills and achieve journeyman status.

MULTIDISCIPLINARY COURSES

CADET TEACHING 1, 2
Length of Course: Two Semesters - 1 Credit each
Prerequisite: Application and approval of instructor and MHS ACP coordinator
COURSE: This is a career exploration course. It provides foundational knowledge and skills and is intended to prepare students for a future as an education major in college. Students create an extensive portfolio throughout the year: during the first semester students are largely in the MHS classroom, but also observe in elementary classrooms. Upon successful completion of the first semester (B or higher), students are matched with a cooperating elementary teacher and placed in a "field experience" for the second semester. The second semester of Cadet Teaching can be taken for three college credit through IU ACP. To enroll in F200, Futures in Education, students must complete the ACP application, have at least a 2.7 GPA, and pay tuition within the deadlines established by IU ACP.

CADET TEACHING 3, 4
Length of Course: Two Semesters - 1 Credit each
Prerequisites: Successful completion of Cadet Teaching 1, 2 and recommendation from Cooperating Teacher
COURSE: Students continue to develop their teaching skills through a full-year field experience at a designated elementary school. Upon successful completion of Cadet 1-4, MHS graduates who are enrolled in college will be considered for elementary-level substitute teaching positions prior to attaining their bachelor's degrees.

IU ACP F200 FUTURES IN EDUCATION
The second semester (Cadet Teaching 2 or 4) can be taken for college credit through the Advance College Project of Indiana University. Students must complete the ACP application and pay tuition within the deadlines established by Indiana University South Bend. Even though MHS students are permitted to enroll in Cadet Teaching for four semesters, they can only enroll once for college credit. [3 college credits]

INDEPENDENT STUDY
Length of Course: Two Semesters - 1 Credit each
Prerequisite: Approval of instructor and principal
COURSE: A student's intellectual curiosity may motivate him or her to carry on independently of the group, accountable to the instructor who serves as a resource person. Independent study may be used in connection with organized knowledge or with some special interest or hobby. This course gives the strong, independently motivated student the opportunity to pursue major problems in subject-related areas. Credit can be earned for experiences in or outside the school setting.

PEER TUTORING
Length of Course: Two semesters, one credit each (P/F)
Prerequisites: 3.0 GPA and recommendation of instructor
COURSE: Students will receive training on how to serve as a peer-tutor and help other students in various educational settings before, during and after school.

ALTERNATIVE EDUCATION PROGRAMS

MISHAWAKA EDUCATION CENTER (MEC)

This program is designed for students who struggle in the traditional classroom setting, either academically or behaviorally, and are behind on credits, or are deemed "at risk" upon entry to MHS. The Mishawaka Education Center provides these students with the opportunity to be successful and establish a path to graduation. Available to 9th–11th graders, participants receive daily direct instruction in math and English; direct instruction in science, social studies and career pathway classes; and the opportunity to recover credits. All of this leads directly to a high school diploma. A smaller classroom setting facilitates these goals. The MEC is staffed by several fully qualified, experienced and passionate educators whose sole goal is to provide instruction, guidance and support for students. Students are selected for this program by the Mishawaka High School administration team with assistance from the counseling department and program staff members.

DAY ALTERNATIVE EDUCATION (DAY ALT)

This program is designed to provide students with the opportunity to recover credits for courses they previously failed. Classes are assigned in a School City of Mishawaka approved online education platform and can be completed on the student's school device. Work for the courses can be completed both in-person and remotely in a supervised setting. Students are assigned to the Day Alternative Education program by their school counselor. Students who do not make significant progress toward credit recovery will be removed and placed back into a traditional course or have to take the course in summer school.

Note: Students may not drop a traditional course to take the same course in the Day Alt.

MISHAWAKA ACCELERATED PROGRAM (MAP)

The MAP provides an opportunity for current high school seniors with minimal credits to fulfill requirements and earn a high school diploma in 12 months. It is open to incoming seniors who have been unsuccessful in earning credits in their previous schools. An application is required and will be reviewed by building administration and counselors to customize an accelerated program based on the student's needs, and to determine if the student is willing and capable of completing the program.

NIGHT SCHOOL

Intended to serve as an evening option for juniors and seniors with adverse life situations who cannot attend traditional day school, the Night School program has similarities with both the Day Alternative Education Program and the MEC. Night school meets Monday through Friday from 3:00 p.m. to 9:00 p.m. on any day that traditional school is in session. There are two three-hour sessions each day. Students may be assigned to one or both night sessions depending on their status and progress towards graduation. In addition to credits earned online, students will receive direct instruction in a career pathway course that will help fulfill graduation requirements. In special circumstances, students could be enrolled in day school and Night School in order to ensure a timely graduation.

Mishawaka High School
What It Takes to Graduate in Indiana

Name_____   Date _____   Grad Year_____

Indiana Pathway Diploma: *Demonstrate a minimum of one competency in each of three buckets*

Diploma Designation   ☐ Core 40   ☐ Technical Honors   ☐ Academic Honors

Core 40 (40+ credits)		
	SEM I	**SEM II**
English	(8 credits)	
Eng 9		
Eng 10		
Eng 11		
Eng 12		
Math	(6 credits)	
Alg I		
Geometry		
Alg II		
4th yr math or Quantitative Reasoning (QR)		
Science	(6 credits)	
Bio I		
Chem, Physics, ICP		
Earth, Biomed, Chem II etc.		
Social Studies	(6 Credits)	
World History		
US History		
Government		■
Economics (QR)		■
PE/Health	(3 credits)	
PE I, II		
Health		■
TOTAL Credits		
29 CORE credits listed above		
plus **11 ELECTIVE** Credits (Minimum)		

Technical Honors (47+ cr)

-In addition to Core 40 requirements

GPA [_____] 3.0 (B) avg

Earn (C) or better in Core & THD courses

College Career Pathway

6 cr in Indiana Approved Pathway
or Industry Certification

Course	SEM I	SEM I

SELF -ASSESSMENT
Transcript Check
1) Look at your transcript
2) Write letter grade (A-D)
of earned credit in the box
beside the course
3) "F" or "N" = lost credit.
Mark box with open circle ◯
to indicate credit needs repeat/
recovery in alt ed or sum school
4) Mark classes in which you
are currently enrolled with an *
(asterix) to indicate "in progress"

Academic Honors (47+ cr)

---In addition to Core 40 requirements

GPA [_____] 3.0 (B) avg

Earn (C) or better in Core & AHD courses

	SEM I	SEM II
Math *2 additional credits*		
PreCal		
Calculus		
World Language 6-8 credits		
Yr 1		
Yr 2		
Yr3 or Yr 1		
Yr 2		
Fine Arts		
Art, Music, Theatre		

AP / ACP / Dual Credit

Complete **one** of the following

· · · · 4 AP credits (2-courses)

· · · · 6 dual credits

3 dual credits/2 AP credits

* must take AP exams

PATHWAY DIPLOMA BUCKETS

☐ Bucket 1: Diploma Designation   Core 40 /   Technical Honors / Academic Honors

☐ Bucket 2: Employability Skills (2 options)

   a) Service-Based Learning _____   (SBL Coaching + Athletics, Academic Clubs)

   b) Work-Based Learning _____   (WBL Instructor + Employment)

☐ Bucket 3: Career Readiness (multiple options)

   a) Earn Academic Honors or Tech Honors Diploma

   b) ASVAB - Earn Passing Score of 31 or better   Score _____ /31

   c) Career Technical Educator (CTE) / 6 credits in Indiana Approved Career Pathway Sequence

      -- Earn (C) or better in CTE courses

Mishawaka Secondary School Personnel 2020–2021

Mishawaka High School (254-7300)

John Ross
Principal

Chad Brugh
Associate Principal

Dave Troyer
Assistant Principal

Jessica Mann
Dean of Students

Laura Sigler
Dean of Students

Sean Steinkellner
Dean of Students

Melissa Raffelock
Director of Counseling Services
Counselor, A–D

Nicole Kaiser
Counselor, L–R

Kelly Krider
Counselor, E–K

Nina Spitznogle
Counselor, S–Z

Gayla Konanz
Social Worker

John Young Middle School (254-3600)

C. Mike Fisher
Principal

Ashley Litwin
Assistant Principal, 7th Grade

Brandon Trtan
Assistant Principal, 8th Grade

Gregg Smith
Leader Intern, 8th Grade

Laurie Schalliol
Counselor, 8th Grade

Cherie Smith
Counselor, 7th Grade

Gayla Konanz
Social Worker

Mishawaka High School
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Mishawaka, IN 46544
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MishawakaSchools.com/mhs