



Mishawaka High School
**Course
Offering Guide**
2019–2020

**MHS Academic
Planning
Information**

**Dual Credit &
Early College
Information**

**Indiana Graduation
Requirements**

**4-Year Plan
Worksheet**

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

MISSION STATEMENT

Mishawaka High School,

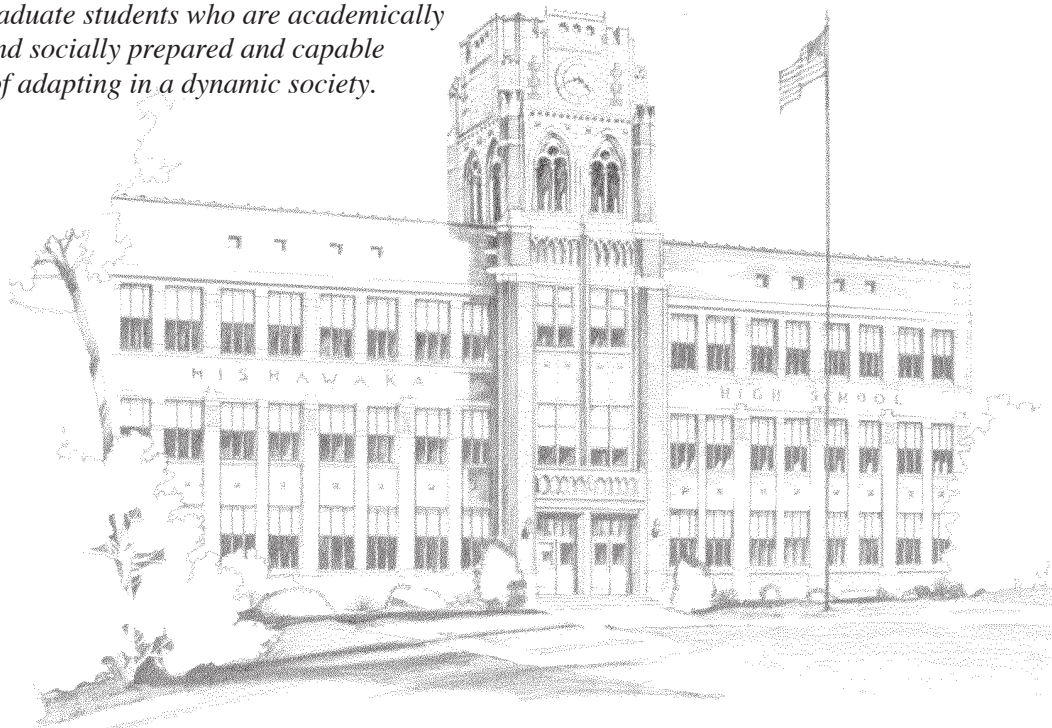
*in partnership with the community,
will graduate students who are academically
and socially prepared and capable
of adapting in a dynamic society.*

Academic Planning

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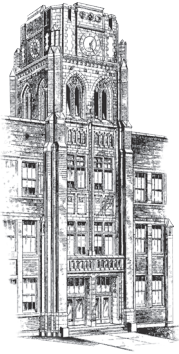
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Every effort has been made for the information in this book to be complete and accurate at time of printing.

Future Course Offering Guides will supersede this publication. Course offerings are subject to change prior to the next edition of this publication.



MISHAWAKA HIGH SCHOOL

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Creating a Culture of Excellence

December 2018

Dear Students, Parents, Guardians and Patrons,

The Mishawaka High School Course Offering Guide is designed to assist in planning for the 2019–2020 academic school year. The blueprint for each student’s academic plan is the diploma program and pathway that he or she chooses. Starting the planning process early and checking on progress often will enable your student to complete his or her academic plan successfully and on time.

The faculty, staff, and administration at Mishawaka High School (MHS) encourages every MHS student to pursue a challenging diploma program. The courses of instruction for the Core 40, Core 40 with Academic Honors, or Core 40 with Technical Honors diplomas provide the preparation all students need for future study and higher scores on tests like the SAT and the ACT. The Indiana Department of Education requirements for each type of diploma and graduation requirements are provided in this book, and our Guidance counselors are always willing to answer questions that students and parents may have about our different diploma program options.

The Indiana Department of Education recently passed Graduation Pathways. This change in graduation requirements now allows students to focus more fully on their postsecondary goals and individualize their preparation for career and college. The previous Core 40 and Core 40 with Academic or Technical Honors diploma course requirements are still in effect; however, students must now also complete a service-based, project-based, or work-based learning experience. Additionally, students must demonstrate that they are “postsecondary ready” by earning a state-determined score on a test like the SAT, ACT, or ASVAB or by fulfilling graduation pathway requirements. Graduation pathways are, essentially, sequences of classes in career or college-preparation coursework that lead to industry certifications, apprenticeships, and/or dual-credits.

One of the strengths of the MHS academic program continues to be its large number of Advanced Placement and dual-credit courses. These classes allow students to earn high school and college credits concurrently and provide students with the opportunity to get a head start on college. Students can earn individual college credits, the Statewide General Education Core Certificate (freshman year of college), or even an Associate’s Degree. We encourage you to explore dual-credits or the Early College pathway option for your student.

The MHS Counseling Department will assist you and your student in choosing the right graduation pathway for the future. This Course Offering Guide and its enclosed pathway sheets will help you with that planning.

The entire faculty and staff at Mishawaka High School are focused on supporting and helping all students achieve the goals of college, career and citizenship readiness. Our school community wishes everyone continued success in the pursuit of these goals.

Sincerely,

A handwritten signature in cursive script that reads "Jerome Calderone".

Jerome Calderone
Principal

COUNSELING PROGRAM

Each student is assigned to a counselor who stays with him/her until graduation. 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 15. 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. The Mishawaka

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 count towards college credit. A full listing of these courses is on page 10 of this guide. Starting with the class of 2019, students can develop a four year plan that leads to a one year certificate or an Associated 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 National Honor Society is one of the highest honors a Mishawaka High School student can receive. 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 for selection, 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 November or December 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 Unsatisfactory achievement
- F Failure: The pupil has not achieved a passing mark. It is in the best interest of the student to 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 permanent letter grade is determined.
- W Withdrawn: Printed on the permanent record label and not 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 to the student, in their seminar class. Refer to the school calendar for specific dates for the end of each grading period.

Honor Roll

Students receiving a 4.0 grade point average are placed on the Principal's Honor Roll. Students with an average between 3.00 and 3.99 are placed on the Honor Roll. Honor Roll status is noted on the student's report card.

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

Grades: point average (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 Infinite Campus online information program for MHS parents.

GPA determines Principal's Honor Roll, Honor Roll, and 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>

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
	<i>Or complete Integrated Math I, II, and III for 6 credits. Students must take a math or quantitative reasoning course each year in high school</i>
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.

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 transcribed college credits in dual credit courses from **priority course list**
 - C) Earn two of the following:
 1. A minimum of 3 verifiable transcribed 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.

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 transcribed 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 WorkKeys; 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 Skills¹ (Students must complete <i>at least one</i> of the following.)	Learn employability skills standards through locally developed programs. Employability skills are demonstrated by one the following: <ul style="list-style-type: none"> • Project-Based Learning Experience; OR • Service-Based Learning Experience; OR • Work-Based Learning Experience.²
3) Postsecondary-Ready Competencies³ (Students must complete <i>at least one</i> of the following.)	<ul style="list-style-type: none"> • 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 their 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								
						JAG* or elective	JAG or elective	JAG or elective	JAG or elective	
	CTE Pathway	Pathway	Pathway	Pathway	Pathway	Pathway	Pathway	Pathway	Pathway	
						or		or		
	Directed Electives	College & Careers/ SH		Interpersonal Relations/ SH		Adult Roles/ 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 MATH136	Geom I H-1	Geom I H-2	Pre-Calc H-1	Pre-Calc 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 and 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		Adult Roles/ 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 1: Earn required credits

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 or 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 of co-curricular or extracurricular activities on page 16.

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 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.
- Completion of the **JAG** program (see page 29)

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 15.
- 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.

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, Career, and Citizenship Readiness (CCCR)

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 or CTE Pathway or Study Hall w/12+ Dual Credits	Work-based Internship or CTE Pathway or Study Hall w/12+ Dual Credits

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

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 January 15. 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's 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 who have not participated in the honors program are required to attend the Summer Bridge program each year to prepare them for the coming year.**

Support during the School Year

A variety of supports already exist including homework room, after-hours study tables, and tutors to help all students succeed. Additional supports are being developed with the community to help EC students obtain a one year certificate or an associate's degree.

HIGH SCHOOL COURSES FOR ADVANCED PLACEMENT or DUAL CREDIT

	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)	H IvyT ARTS100/02/03 (3cr ea)	3.0 GPA
	Visual Communications (1S: 10-12)	IvyT VISC 102 (3cr)	RW
	Drawing 2 (1S: 11-12)	IvyT ARTS100 (3cr)	RW
BUSINESS	Digital Applications, Adv (1S: 10-12)	IvyT CINS 101 (3cr)	RW
	Business Administration (1S: 11-12)	H IU ACP X100 (3cr)	2.7 GPA
	Graphic Design and Layout (2S: 10-12)	IvyT VISC 115 (3cr)	RW
	Entrepreneur & NV (2S: 11-12)-dual credit with SUM class	IvyT ENTR 101/105 (3/3cr)	RW
	Business Law (2S: 10-12) dual credit pending	IvyT BUSN 201 (3cr)	RW
ENGINEERING & TECHNOLOGY	PLTW Introduction to Engineering Design (2S: 9-12)	H IvyT DESN 101 (3cr)	none
	PLTW Principles of Engineering (2S: 10-12)	H IvyT DESN 104 (3cr)	DESN101
	PLTW Civil Engineering and Architecture (2S: 11-12)	H IvyT DESN 105 (3cr)	DESN104
	Arch. Drafting/CAD I (2S: 11-12)	VU DRAF 140 (3cr)	none
	Arch. Drafting/CAD II (2S: 11-12)	VU DRAF 150 (2cr)	DRAF140
	Construction Technology I/II (4S: 11-12) dual credit pending	IvyT BCTI 101/102 (3/3cr)	none
FACS	Dual credit is available for Culinary Arts and several other career paths through EACC.		
ENGLISH	English Composition (1S:12)	H IU ACP W131 (3cr)	2.7 GPA
	Literary Interpretation (1S:12)	H IU ACP L202 (3cr)	W131
	Public Speaking (1S: 11-12)	H IU ACP S121 (3cr)	2.7 GPA
	Expository Writing (2S: 11-12)-dual credit pending in 2019	H IvyT ENGL 112 (3cr)	W131
MATH	Finite Math (2S: 11-12)	H IU ACP M118 (3cr)	2.7 GPA
	Algebra II Honors (2S: 10-12)	H IvyT MATH 136 (3cr)	M27
	Pre-calculus Honors (2S: 9-12)	H IvyT MATH 137 (3cr)	M27
	Calculus AB (2S: 11-12); may be taken as an AP class.	H IU ACP M215 (5cr)	2.7 GPA
	Calculus BC (2S: 11-12); may be taken as an AP class.	H IU ACP M216 (5cr)	M215
SCIENCE	Humans & the Biological World (2S: 11-12)	H IU ACP L100 (5cr)	2.7 GPA
	Human Physiology & Anatomy (2S: 11-12)	H IU ACP P130 (3cr)	2.7 GPA
	Intro to Chemistry I (2S: 11-12)	H IvyT CHEM101 (3cr)	RWM27
	Physics I (Calculus based; 2S: 11-12)	H IU ACP P221 (5cr)	2.7 GPA
	AP Physics 1 (Algebra based; 2S: 11-12) (AP score of 3+ for dc)	H IvyT PHYS101 (4cr)	3.0 GPA**
	AP Physics 2 (Algebra based; 2S: 11-12) (AP score of 4+ for dc)	H IvyT PHYS102 (4cr)	PHYS 101
	PLTW Principles of Biomed Sci (2S: 9-12)-col credit possible	H IUPUI BIOL10011 (3cr)	none
	PLTW Human Body Systems (2S: 10-12)-col credit possible	H IUPUI BIOL10012 (3cr)	10011
	PLTW Medical Interventions (2S: 11-12)-col credit possible	H IUPUI BIOL10013 (3cr)	10012
PLTW Biomedical Innovations (2S: 12)	H IvyT BIOT 107 (4cr)	10013	
SOCIAL STUDIES	United States History I/II (2S: 11-12)	H IUACP H105/H106 (3/3cr)	2.7 GPA
	Political Science (1S: 11-12)	H IUACP Y103 (3cr)	2.7 GPA
	Economics (H) dual credit pending	H IvyT ECON101 (3cr)	RWM27
	Microeconomics (1S: 11-12) dual credit pending	H IvyT ECON202 (3cr)	101
	Macroeconomics (1S: 11-12) dual credit pending	H Ivy T ECON201 (3cr)	101
	AP Psychology (1S: 11-12) (AP score of 3+ for dc)	H IvyT PSYC101 (3cr)	3.0 GPA
	AP World History (2S: 10-12) (AP score 3+ for 6dc)	H IvyT HIST111/112 (3/3cr)	3.0 GPA
WORLD LANGUAGES+	French III (2S: 10-12)	IvyT F101/F102 (4/4cr)	RW
	Spanish III (2S: 10-12)	IvyT S101/S102 (4/4cr)	RW
	French IV (2S: 11-12)	H IUACP F200/F250 (3/3cr)	2.7 GPA
	Spanish IV (2S: 11-12)	H IUACP S200/S250 (3/3cr)	2.7 GPA
	Cadet Teaching/Futures in Education (2S: 11-12)	H IUACP F200 (3cr)	2.7 GPA

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

Course in bold are on the Priority Dual Credit List

**Testing prerequisite for PHYS 101 credit is a CLM score of 61 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 courses.

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 baccalaureate-degree granting institution of their choice. Students who complete the STGEC requirements will have this noted on their high school transcript.

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.

STGEC: the one year certificate is available to all dual credit and Early College students.

Academic Competencies

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

Traditional	STGEC												
9 Fall	9 Spring	10 Fall	10 Spring	11 Fall	11 Spring	12 Fall	12 Spring	12 Fall	12 Spring	12 Fall	12 Spring	12 Fall	12 Spring
ENG 9H		ENG 10H		ENG 11H		ENGL111	ENGL112			6			
				Speech	S122						3		
ALG I		GEOM I		MATH 136								3	
BIO I				CHEM I		CHEM101						3	
				H105	H106	ECON101	GOV						9
				FREN101	FREN102								8
				or SPAN101/102									32

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	12 Fall	12 Spring	12 Fall	12 Spring	12 Fall	12 Spring
ENG 9H		ENG 10H		ENG 11H		ENGL111				3			
							S122				3		
GEOM I		MATH 136		MATH 137								6	
BIO I		CHEM I		CHEM101		PHYS101						6	
				H105	H106								6
				SPAN101	SPAN102								8
				or FREN101/102									32

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. Early College students are best served by taking Spanish or French as they can earn a total of 14 college credits through the level III and level IV courses in these languages. 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 (TGEC)

Ivy Tech's Associates Degree in General Studies

DUAL CREDIT for an ASSOCIATES DEGREE

Required	16 credits	IVYT 111	Student Success Elective	1	IVYT111
		COMM 101	Fundamentals of Public Speaking	3	S121
		CINS 101	Introduction to Microcomputers	3	CINS101
		ENGL 111	English Composition	3	W131
		ENGL 112	Exposition and Persuasion	3	ENGL112
		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 201	Brief Calculus I	3	M119
		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
		BIOL 107	Biology II	5	BIOL107
		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 associates degree.

Social/Behavioral Ways of Knowing	3+ credits	ANTH 154	Cultural Anthropology	3	ANTH 154
		ECON 101	Economics Fundamentals (dual credit pending)	3	ECON101
		ECON 201	Principles of Macroeconomics (dual credit pending)	3	ECON201
		ECON 202	Principles of Microeconomics (dual credit pending)	3	ECON202
		POLS 101	Introduction to American Government and Politics	3	Y103
		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 111	World Civilization I	3	AP
		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 201	French Level III	3	F200
		FREN 202	French Level IV	3	F250
		SPAN 201	Spanish Level III	3	S200
SPAN 202	Spanish Level IV	3	S250		

Course numbers that are in **bold/italic** are IUACP courses and those in regular print are with Ivy Tech or

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

Statewide Electives**	about 20 credits	Engineering		Art		Business/Cadet Teaching		Science/World L.	
		DESN101	Intro to Engr	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	P130	Anatomy & Phys
		DRAF140	CAD I (Vincennes)	VISC115	Graphic Design			L100	Human Bio
		DRAF150	CAD II (Vincennes)						
		ADMF101	Adv Mfg I						
		ADMF102	Adv Mfg II						
ADMF112	Robotics II								
ADMF116	Comp Int Mfg			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.

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	ENGL112
Math	Alg I-1	Alg I-2	Geom I-1	Geom I-2	Alg II H/MATH 136		PreCalc H/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	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	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	ENGL112
Math	Alg I-1	Alg I-2	Geom I-1	Geom I-2	Alg II H/MATH 136		PreCalc H/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	ENGL112
Math	Alg I-1	Alg I-2	Geom I-1	Geom I-2	Alg II H/MATH 136		PreCalc H/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	ENGL112
Math	Alg I-1	Alg I-2	Geom I-1	Geom I-2	Alg II H/MATH 136		PreCalc H/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

Academic Areas

Required Classes	14	3	3	3	3	12	20
Quantitative Reasoning		3					
Scientific Ways of Knowing			4				
Social/Behavioral Ways of Knowing				6			
Humanistic/Artistic Ways of Knowing					3		
Q/R and Ways of Knowing Electives						3	
Statewide Electives							11
	9	3					0
							9
							63

	9						
		3					3
			3				
				6			6
					4		10
							6
	5						9
							64

	9						
		3					3
			3				
				6			6
					4		10
	5						12
							64

	9						
		3					3
			3				
				3			
					4		4
	4						12
							12
							61

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

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

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.

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
Math	Alg I-1	Alg I-2	Geom I-1	Geom I-2		MATH136			MATH137	
Science	Bio I-1 (9)	Bio I-2 (9)	Chem I-1	Chem I-2		P130			ACCT203	ACCT204
Social S.	PE-1	PE-2	W Hist-1	W Hist-2	HS US Hist	SH	ECON201	HS Gov	BIBL216	ECON202
World L.	Fren I-1	Fren I-2	Fren II-1	Fren II-2		FREN101	FREN102		SH	SH
Elective						SOC 151			AP Psychology	
D/Elective	CC/IVYT111		DigApps	CINS101		BUSN101	THEO110	PHIL150	BUSN105	BADM222 *
Concentration	Acct I-1	Acct I-2	Bus Law/BUSN102			ENTR101	SH		Prin Mktg/MKTG101	
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

Academic Areas			
17	12	21	12
REACH classes at Bethel			
General Ed at MHS	9		
Major classes at MHS	6	3	
AP at MHS (Gen &)	3		6
			6
	8	10	
		9	
			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

REACH at Bethel

- IU ACP S121 Public Speaking
- IU ACP W131 English Composition
- AP Psychology
- AP Sociology*

REACH at Bethel

or

REACH at Bethel

- IU ACP Human Biology P130
- IU ACP L202 Literature

REACH at Bethel

REACH at Bethel

REACH at Bethel

- IvyT BUSN101 Principle of Busn Mgmt
- IvyT BUSN102 Principle of Busn Law
- BC BADM 222 Business Communication
- IvyT BUSN105 Adv Busn Management*
- IvyT CINS101 Computer Apps
- IvyT ECON201 Macroeconomics
- IvyT ECON202 Microeconomics
- IvyT MKTG101 Principles of Mktg
- IvyT ENTR 101 Entrepreneurship

REACH at Bethel

*Not currently offered

General Education

THEO 110 Exploring the Christian Faith

- COMM 171 Speech Communication 3
- ENGL 101 Written Communication II 3
- PSYC 182 General Psychology 3
- SOC 151 Principles of Sociology 3
- BIBL 216 New Testament Literature 3
- or
- BIBL 215 Old Testament Literature (3)
- Mathematics/Science with Lab 3
- Music/Art/Literature/Drama 3
- PHIL 150 Logic & Critical Thinking 2

Major

- ACCT 203 Fundamentals of Accounting I 3
- ACCT 204 Fundamentals of Accounting II 3
- BADM 121 Introduction to Business 3
- BADM 221 Business Law 3
- BADM 222 Business Communication 3
- BADM 321 Principles of Management 3
- CAPP 130 Computer Applications 3
- ECON 229 Principles of Macroeconomics 3
- ECON 230 Principles of Microeconomics 3
- Electives in accting, business or computer apps 3
- Electives in accting, business or computer apps 3
- Electives in accting, business or computer apps 3

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DEPARTMENTS and CTE PATHWAYS

Art

HS Course #s		HS Course Name/College #	Semesters	Cr per Sem	Dual Credit Prereq			College Credit	Eligible Grades			
Fall	Spring				Read	Write	Math		9	10	11	12
0901	Both	INT 2D ART	1	1					9	10	11	12
	0902	A INT 2D ART	1	1					9	10	11	12
0903	Both	INT 3D ART	1	1					9	10	11	12
0904		DRAW 1	1	1						10	11	12
	0905	DRAW 2/ARTS100	1	1	25	26	NA	IvyT 3		10	11	12
	0906	PAINTING	1	1						10	11	12
0676	0677	GRAPHIC DSN 1-2/VISC115	2	1	25	26	NA	IvyT 3		10	11	12
0907	Both	VISUAL COMMS/VISC102	1	1	25	26	NA	IvyT 3		10	11	12
0908		PHOTO 1	1	1					9	10	11	12
	0909	PHOTO 2	1	1					9	10	11	12
0910		PHOTO 3	1	1						10	11	12
	0911	PHOTO 4	1	1						10	11	12
0912		CERAMICS 1	1	1						10	11	12
	0913	CERAMICS 2	1	1						10	11	12
0914		CERAMICS 3	1	1						10	11	12
	0915	CERAMICS 4	1	1						10	11	12
	0930	SCULPTURE	1	1						10	11	12
0918	Both	FIBER ARTS 1	1	1						10	11	12
	0919	FIBER ARTS 2	1	1						10	11	12
0920	Both	JEWELRY 1	1	1						10	11	12
	0921	JEWELRY 2	1	1						10	11	12
	0928	ART HISTORY	1	1					9	10	11	12
0922	0923	AP DRAW 1-2/ARTS100	2	H1	AP Score 3-5			IvyT 3			11	12
0924	0925	AP 2D DSN 1-2/ARTS102	2	H1	AP Score 3-5			IvyT 3			11	12
0926	0927	AP 3D DSN 1-2/ARTS103	2	H1	AP Score 3-5			IvyT 3			11	12

Courses in gray are AP or dual credit.

Dual Credit prerequisite scores are based on the PSAT or equivalent.

N=New

H=Honors

P=Dual Credit pending

D=On priority dual credit list

Q=Quantitative Reasoning

P/F=Pass/Fail

Art related CTE Pathways

	9 Fall	9 Spring	10 Fall	10 Spring	11 Fall	11 Spring	12 Fall	12 Spring
Interactive Media	Digital Apps 9th or 10th	Adv D Apps CINS101 (3)	Intro to Comms 9th or 10th		Graphic Design IvyT VISC115 (3)		Interactive Media 1&2 11th or 12th	
	Int 2D Art	A Int 2D Art						
Visual Comms	Intro to Comms		Draw 1	Vis Comms VISC102 (3)	Graphic Design IvyT VISC115 (3)		Interactive Media 1	Web Design
	Int 2D Art	A Int 2D Art						

Art related pathways include 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 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*

Art Department and Art related CTE Pathways

Business

HS Course #s		HS Course Name/College #	Semesters	Cr per Sem	Dual Credit Prereq			College Credit	Eligible Grades					
Fall	Spring				Read	Write	Math		9	10	11	12		
	0626	0627	COL&CAREER 1-2 (all fresh)	2	0.5					9				
	0628	0629	STUDENT SUCCESS 1-2 (all EC)	2	0.5					9				
Q	0601	0602	INT to ACCT 1-2	2	1					9	10	11	12	
Q	0664	0665	BANKING & INVEST 1-2	2	1							11	12	
Q	0607	0608	BUS MATH 1-2	2	1						10	11	12	
P	0611	0612	BUS LAW 1-2/BUSN201	2	1	25	26	NA	IvyT 3		10	11	12	
N	0660	0661	ENTREPRE-SUM/ENTR101&105	2	2	25	26	NA	IvyT 3/3			11	12	
	0678	0679	PRN of BUS MGT 1-2/BUS X100	2	H1				IU 3			11	12	
	0653	0654	STRATEGIC MKT 1-2	2	1								12	
	0620	0621	WBL-BUS&MKT 1-2	2	3	*WBL is linked with 0678/0679 or 0653/0654							12	
	0681	0682	WBL-BUS&MKT (PCI) 1-2	2	P/F								11	12
	0683	0684	WBL 1-2	2	0								11	12
	0685	0686	SVC LEARN 1-2	2	0								11	12
P	0651	0652	PRN of MKT 1-2/MKTG101	2	1	25	26	24.5	IvyT 3	9	10	11	12	
	0655	0656	MKT in HOSPITALITY	2	1							10	11	12
	0613	0614	SPORTS&ENT 1-2	2	1							10	11	12
	0687	Both	DIGITAL APPS 1	1	1					9	10	11	12	
	0688	Both	DIGITAL APPS 2/CINS101	1	1	25	26	NA	IvyT 3		10	11	12	
	0676	0677	GRAPHIC DSN 1-2/VISC115	2	1	25	26	NA	IvyT 3		10	11	12	
N	0690		INTERACT MEDIA-W	1	1						10	11	12	
N		0691	WEB DSN	1	1						10	11	12	
	0692	0693	INTERACT MEDIA 1-2	2	1						10	11	12	
	0624	0625	RADIO & TV I 1-2	2	3							11	12	
N	0633	0634	RADIO & TV II 1-2	2	3								12	
	0694	0695	COMP TECH SPT I 1-2	2	1						10	11	12	
N	0696	0697	COMP TECH SPT II 1-2	2	1							11	12	

Courses in gray are AP or dual credit.

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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

Work-Based Learning (WBL)

A student can meet the second requirement for a graduation pathway by participating in a WBL program. Ideally, the selected job will match the student's **CTE pathway**, which is the third and final requirement for graduation. WBL programs require that a student has a job and is making minimum wage or more.

There are two basic categories of work experience. Both of which require a training plan and careful monitoring of the student's performance and progress on the job.

1) The first includes course work in a business capstone class worth one credit per semester and WBL experience with 15 hours per week on the job, which is worth three credits per semester. Students in this program are usually released at 11:30 to go to work.

2) The second is a WBL internship program, which requires a minimum of five hours per week on the job and is worth one credit per semester. Students in this program are usually released at 1:40 to go to work.

Service-Based Learning (SBL)

SBL is much like WBL in that the SBL meets the second requirement for a graduation pathway and that participation in the activity is documented. It must be either a meaningful volunteer activity or engagement in an extracurricular activity such as an academic team or sport for one academic year. A list of activities is on page 23.

Business CTE Pathways

	9 Fall	9 Spring	10 Fall	10 Spring	11 Fall	11 Spring	12 Fall	12 Spring
Accounting, Finance, Management	Accounting		Digital Apps	Adv D Apps CINS101 (3)	Principles of Marketing BUSN101 (3)		PRN of BUS MGT ACP BUS X100 (3)	
					Business Law BUSN201 (3)		Banking&Investing or elective	

This pathway will include 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 and many more.

Entrepreneurship	Accounting		Digital Apps	Adv D Apps CINS101 (3)	Principles of Marketing BUSN101 (3)		Entrepreneurship/Start-up Moxie (SUM) ENTR101 (3) ENTR105 (3)	
					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, and more.

Marketing, Sports & Entertainment	Digital Apps	Adv D Apps CINS101 (3)	Principles of Marketing BUSN101 (3)		Sports&Ent Mkt		Strategic Mkt	
					Business Law BUSN201 (3)			

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

Marketing in Hospitality	Digital Apps	Adv D Apps CINS101 (3)	Principles of Marketing BUSN101 (3)		Mkt in Hospitality		Strategic Mkt	
					Business Law BUSN201 (3)			

The Hospitality pathway includes learning Microsoft Office, identifying a market segment, learn to promote everyday products as well as hospitality and travel services, identifying laws pertaining to business, and evaluating consumer buying behavior. Careers in this pathway include, hotel management, travel agent, guest relations manager, and more.

Interactive Media	Digital Apps 9th or 10th	Adv D Apps CINS101 (3)	Intro to Comms 9th or 10th		Graphic Design IvyT VISC115 (3)		Interactive Media 1&2 11th or 12th	
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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, and more.

Visual Comms	Intro to Comms		Int 2D Art	Vis Comms VISC102 (3)	Graphic Design IvyT VISC115 (3)		Interactive Media 1	Web Design
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This pathway provides the application of the tools, materials, and techniques used to design, produce, use, and assess systems of communication. Instruction includes advanced applications and integration of a professional suite and the use of emerging technology. It also incorporates a variety of visual art techniques as they relate to the design and execution of layouts and illustrations for advertising.

English

HS Course #s		HS Course Name/College #	Semesters	Cr per Sem	Dual Credit Prereq			College Credit	Eligible Grades			
Fall	Spring				Read	Write	Math		9	10	11	12
0112	0113	ENG 9 1-2	2	1					9			
0114	0115	ENG 9H 1-2	2	H1					9			
0122	0123	ENG 10 3-4	2	1						10		
0124	0125	ENG 10H 3-4	2	H1						10		
0132	0133	ENG 11 5-6	2	1							11	
0134	0135	ENG 11H 5-6	2	H1							11	
0157	0158	AMER LIT 1-2 (FILM LIT)	2	1							11	
0142	0143	ENG 12 7-8	2	1								12
0146		IUACP ENG 12-W131	1	HD1				IU 3				12
	0147	IUACP ENG 12-L202	1	HD1	W131			IU 3				12
0148		ENGL111	1	HD1	25	26	NA	IvyT 3				
NP	0149	EXPSTRY WR/ENGL112	1	HD1	ENGL111			IvyT 3				12
	0161	CREATIVE WR	1	1							11	12
0150	0151	ENL	2	1					9	10	11	12
0162		MASS MEDIA	1	1						10	11	12
0164	Both	SPEECH	1	1					9	10	11	12
0165	Both	IUACP PUBL SPK 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
0168	Both	ADV THEATRE ARTS	1	1						10	11	12
0118	0119	LAL 9 1-2	2	1					9			
0126	0127	LAL 10 3-4	2	1						10		
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

Family & Consumer Science

HS Course #s		HS Course Name/College #	Semesters	Cr per Sem	Dual Credit Prereq			College Credit	Eligible Grades			
Fall	Spring				Read	Write	Math		9	10	11	12
0701	Both	NUTR/WELLNESS	1	1					9	10	11	12
	0702	ADV NUTR&WELL	1	1					9	10	11	12
0705	0706	INTRO CUL ARTS 1-2	2	1						10	11	12
0711	0712	CUL ARTS I 1-2	2	3							11	12
0713	0714	CUL ARTS II 1-2	2	3							11	12
0720	Both	INTRO HOUS&INTER	1	1						10	11	12
0732	0733	INTRO FASH/TEX 1-2	2	1					9	10	11	12
0734	0735	FASH/TEX CAREERS I 1-2	2	1						10	11	12
0736	0737	FASH/TEX CAREERS II 1-2	2	1							11	12
0739		CHILD DEVL P	1	1						10	11	12
N	0740	ADV CHILD DEVL P	1	1						10	11	12
0741	0742	EARLY CHILD ED I 1-2	1	1							11	12
0743	0744	EARLY CHILD ED II 1-2	1	1								12
9731	9732	INTERPERS REL (all sophs)	2	0.5						10		
9750	9751	ADULT ROLE	2	0.5							11	

Courses in gray are AP or dual credit.

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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

Eng, FACS & Cosmetology CTE Pathways

	9 Fall	9 Spring	10 Fall	10 Spring	11 Fall	11 Spring	12 Fall	12 Spring
Radio/TV	Intro to Comms		Journalism or Mass Media		Radio/TV I		Radio/TV II	

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.

Cosmetology	elective	elective	Interpers Relations		Cosmetology I		Cosmetology II	
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Cosmetology classes are available through the Elkhart Area Career Center and Vogue Mishawaka. Both programs lead to licensure in cosmetology and yield dual credit (high school and college credit).

	9 Fall	9 Spring	10 Fall	10 Spring	11 Fall	11 Spring	12 Fall	12 Spring
Culinary Arts	Nutr&Well	Adv N&W	Intro Culinary Arts		Culinary Arts I		Culinary Arts II	
			Interpers Relations					

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.

Visual Arts Fash&Tex	Computers in Design 9th or 10th	Intro to Fash&Tex 9th or 10th	Fash&Tex Careers I	Fash&Tex Careers II
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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 Ed	Nutr&Well Fall or Spr	elective	Child Develop	Adv Child Develop	Early Childhood Ed I	Early Childhood Ed II
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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 Tech and Engineering

HS Course #s		HS Course Name/College #	Semesters	Cr per Sem	Dual Credit Prereq			College Credit	Eligible Grades			
Fall	Spring				Read	Write	Math		9	10	11	12
	0801	0802	COMP IN DSN 1-2	2	1				9			
	0803	0804	CAD I 1-2/VU DRAF140	2	1			VU 3		10	11	12
	0805	0806	CAD II 1-2/VU DRAF150	2	1			VU 2			11	12
	0807	0808	INT TO COMMS 1-2	2	1				9	10	11	12
	0811	0812	DESIGN PROC 1-2 (R&D)	2	1						11	12
Q	0813	0814	ENG DSN&DEV 1-2 (nonPLTW)	2	H1						11	12
	0827	0828	INT TO CONST 1-2	2	1				9	10	11	12
	0834	Both	INT TO MFG	1	1				9	10	11	12
	0837	0838	ADV MFG I 1-2/ADMF101	2	1			IvyT 3		10	11	12
NP	0837	0838	ADV MFG II 1-2/ADMF102	2	1			IvyT 3			11	12
P	0861	0862	CONST TECH I 1-2/BCTI101	2	3			IvyT 3			11	12
P	0863	0864	CONST TECH II 1-2/BCTI102	2	3			IvyT 3				12
	0865	0866	INT ENG DES 1-2/DESN101	2	H1			IvyT 3	9	10	11	12
Q	0867	0868	PRN OF ENGR 1-2/DESN104	2	H1			IvyT 3		10	11	12
Q	0869	0870	CIVIL ENG ARCH 1-2/DESN105	2	H1			IvyT 3			11	12
Q	0871	0872	COMP INTG MFG 1-2/ADMF116	2	H1			IvyT 3			11	12
Q	0877	0878	AEROSPACE ENG 1-2	2	H1						11	12
Q	0879	0880	ENG DESIGN & DEVL P 1-2	2	H1							12
N	0841	0842	INT TO COMP SCI 1-2	2	1				9	10	11	12
N	0843	0844	COMP SCI I 1-2/CSCI-C102 (AP P)	2	1		AP Score 3-5	IU 3		10	11	12
N	0845	0846	COMP SCI II 1-2/CSCI-C200 (AP A)	2	1		AP Score 4-5	IU 4			11	12
N	0847	0848	COMP SCI III CYBERSEC 1-2	2	1							12
N	0819	0820	ROBOTICS DSN 1-2	2	1					10	11	12
	0815	0816	ROBOTICS I 1-2	2	1						11	12
NP	0817	0818	ROBOTICS II 1-2/ADMF112	2	3			IvyT 3				12

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P/F=Pass/Fail

	9 Fall	9 Spring	10 Fall	10 Spring	11 Fall	11 Spring	12 Fall	12 Spring
Construction Trades	Intro to Mfg	elective Fall or Spr	Intro to Construction		Construction Tech I BCTI101 (3)		Construction Tech II BCTI102 (3)	

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 positions in a wide variety of construction jobs or further study at a post-secondary institution.

Computer Science	INT TO COMP SCI	COMP SCI I CSCI-C102 (AP-P)	COMP SCI II CSCI-C200 (AP A)	COMP SCI III CYBERSEC
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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.

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

Ind Tech and Engr CTE Pathways

Engineering
STEM

9 Fall	9 Spring	10 Fall	10 Spring	11 Fall	11 Spring	12 Fall	12 Spring
Intro to Eng Des (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 Des (IED) IvyT DESN101 (3)		Principles of Eng (POE) IvyT DESN104 (3)		Aerospace Engr (AE)		Eng Des & Dev (EDD)	
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or

Intro to Eng Des (IED) IvyT DESN101 (3)		Principles of Eng (POE) IvyT DESN104 (3)		Comp Integrated Mfg (CIM) IvyT ADMF116 (3)		Eng Des & Dev (EDD)	
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Engineering/STEM Pathways 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.

or

Intro to Eng Des (IED) IvyT DESN101 (3)		Robot DSN&INNOV		Robotics I		Robotics II ADMF112 (3)	
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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.

Engineering/
Manufacturing
High MPG Car

IED or MFG or Computers in Design	POE or Adv MFG or CAD I	Intro Design Process	Eng Des & Dev (EDD) Non-PLTW
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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 courses 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.

Advanced
Manufacturing

IED or MFG or Computers in Design	elective or more CTE 9th or 10th	Adv Mfg I ADMF101 (3)	Adv Mfg II ADMF102 (3)
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The Advanced Manufacturing Pathway teaches students about modern manufacturing processes. Emphasis is placed 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.

Drafting & Design

Housing & Interiors	elective Fall or Spr	Computers in Design	CAD I VU DRAF140 (3)	CAD II VU DRAF150 (2)
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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 Vincennes University for CAD I and CAD II.

Mathematics

HS Course #s		HS Course Name/College #	Semesters	Cr per Sem	Dual Credit Prereq			College Credit	Eligible Grades				
Fall	Spring				Read	Write	Math		9	10	11	12	
Q	0427	0428	ALGEBRA I (9) 1-2	2	1					9			
	0429	0430	MATH LAB AI 1-2	2	1					9			
Q	0418	0419	ALG I (9) 1-2	2	1					9			
Q	0455	0456	ALG II H 1-2/MATH136	2	H1	NA	NA	27	IvyT 3	9	10	11	12
Q	0433	0434	ALG I 1-2	2	1						10	11	12
Q	0403	0404	ALGEBRA II 1-2	2	1						10	11	12
	0401	0402	MATH LAB AII 1-2	2	1						10	11	12
Q	0453	0454	ALG II 1-2	2	1						10	11	12
Q	0441	0442	GEOM I 1-2	2	1						10	11	12
N	0405	0406	CCR BRIDGE: MATH 1	2	1							11	
Q	0443	0444	GEOM I (9) 1-2	2	1					9			
Q	0445	0446	GEOM I H 1-2	2	1					9	10	11	12
Q	0481	0482	PRE-CALC 1-2	2	1						10	11	12
Q	0483	0484	PRE-CALC H 1-2/MATH137	2	HD1	NA	NA	27	IvyT 3		10	11	12
Q	0487	0489	CALCULUS 1-2 (HS credit only)	2	1							11	12
Q	0471	0472	IUACP FINITE M 1-2 M118	2	HD1				IU 3			11	12
Q	0485	0486	AP-CAL-AB/IU M215 1-2	2	HD1				IU 5			11	12
Q	0493	0494	AP-CAL-BC/IU M216 1-2	2	HD1				IU 5				12
Q	0495	0496	AP STATS/MATH200 1-2	2	HD1	AP Score 3-5			IvyT 3			11	12

Music

HS Course #s		HS Course Name/College #	Semesters	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
	0964	0965	JAZZ ENSEMBLE H	2	H1						10	11	12
	0961	0962	INTERM ORCH	2	1					9	10	11	12
	0959	0960	ADV ORCH	2	1						10	11	12
	0941	0942	BEGIN/CADET CHORUS	2	1					9	10	11	12
	0943	0944	INTERM/ACAPELLA CHOIR	2	1						10	11	12
	0945	0946	ADV/SHOW CHOIR	2	1						10	11	12
	0947	0948	CHORAL CHAMBER H	2	H1						10	11	12
	0953	0954	PIANO/KEYBOARD	2	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.

H=Honors

D=On priority dual credit list

P/F=Pass/Fail

Physical Education and Health

HS Course #s		HS Course Name/College #	Semesters	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 1/2	2	1				9	10	11	12	
0981	0982	ELEC ADV PE 3-8	2	1					10	11	12	
0983	0984	ELEC ADV WGTS 3-8	2	1				9	10	11	12	
0979	0980	ELEC ADV WGTS 3-8*	2	1				9	10	11	12	

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 service must be documented by MHS.

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
Social Studies

High MPG Car
Mock Trial
Quiz Bowl
Robotics
Spell Bowl

Other Programs

Peer Tutoring

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

Science

HS Course #s		HS Course Name/College #	Semesters	Cr per Sem	Dual Credit Prereq			College Credit	Eligible Grades				
Fall	Spring				Read	Write	Math		9	10	11	12	
0510	0511	BIO I (9) 1-2	2	1					9				
0512	0513	BIO I 1-2	2	1						10	11	12	
0574	0575	BIO IH 1-2	2	H1					9	10	11	12	
0514	0515	BIO II 1-2	2	1							11	12	
0554	0555	IUACP BIO L100 1-2	2	HD1				IU 5			11	12	
0548	0549	IUACP BIO HP P130 1-2	2	H1				IU 3			11	12	
0520	0521	EARTH SCI I (9) 1-2	2	1					9				
0522	0523	EARTH SCI I 1-2	2	1						10	11	12	
N	0881	0882	ENV SUSTAINABILITY 1-2								11	12	
Q	0534	0535	INT CHEM-PHYS 1-2	2	1					10	11	12	
Q	0550	0551	PHYSICS I 1-2	2	1					10	11	12	
Q	0558	0559	IUACP PHYSICS 1-2/P221	2	H1						11	12	
Q	0536	0537	AP PHYSICS 1 1-2/PHYS101	2	H1	M137 or CLM61		IvyT 4			11	12	
Q	0538	0539	AP PHYSICS 2 1-2/PHYS102	2	H1	101		IvyT 4			11	12	
Q	0544	0545	CHEM I 1-2	2	1					10	11	12	
Q	0540	0541	CHEM IH 1-2	2	H1					10	11	12	
Q	0556	0557	CHEM II 1-2/C101	2	HD1	25	26	27	IvyT 3			11	12
C	0562	0563	BIOMED SCI 1-2/BIOL10011	2	H1					9	10	11	12
C	0564	0565	H BODY SYS 1-2/BIOL10012	2	H1	BIOMED					10	11	12
C	0566	0567	MED INTERV 1-2/BIOL10013	2	H1	HBS					11	12	
	0568	0569	BIOMED INNOV 1-2/BIOT107	2	H1	Med Intervent.		IvyT 4				12	
	0570	0571	PCI/SCI INTERN NOTRE D 1-2	2	P/F						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

C=May be college credit at IUPUI

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) IvyT BIOT107 (4)	
					Anatomy and Physiology P130			

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 Des (IED) IvyT DESN101 (3)	Principles of Eng (POE) IvyT DESN104 (3)	Environmental Sustainability	ND Science Internship
	Chemistry	ND Science Internship	

The ND Science Internship 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.

Social Studies

HS Course #s		HS Course Name/College #	Semesters	Cr per Sem	Dual Credit Prereq			College Credit	Eligible Grades			
Fall	Spring				Read	Write	Math		9	10	11	12
0303	Both	INDIANA STUDIES	1	1					9	10	11	12
0304	Both	ETHNIC STUDIES	1	1					9	10	11	12
0310	0311	GEOG & W HIST 1-2	2	1						10	11	12
0321	0322	W HIST & CIVIL 1-2	2	1						10	11	12
0331	0332	US HIST 1-2	2	1							11	12
0333		IUACP US HIST 1-2/H105	1	HD1				IU 3			11	12
	0334	IUACP US HIST 1-2/H106	1	HD1				IU 3			11	12
Q	0350	ECONOMICS	1	1								12
QP	0349	MACROECON/ECON201	1	H1	AP Score 3-5			IvyT 3				12
QP	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 1-2/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 WORLD HIS 1-2/HIST111-112	2	H1	AP Score 3-5			IvyT 3/3		10	11	12

World Language

HS Course #s		HS Course Name/College #	Semesters	Cr per Sem	Dual Credit Prereq			College Credit	Eligible Grades			
Fall	Spring				Read	Write	Math		9	10	11	12
0210	0211	FRENCH I 1-2	2	1					9	10	11	12
0212	0213	FRENCH II 1-2	2	1						10	11	12
0214	0215	FRENCH III 1-2/F101-102	2	D1	25	26	NA	IvyT 4/4			11	12
0216		IUACP FREN IV 1/F200	1	HD1				IU 3				12
	0217	IUACP FREN IV 2/F250	1	HD1				IU 3				12
0220	0221	GERMAN I 1-2	2	1					9	10	11	12
0222	0223	GERMAN II 1-2	2	1						10	11	12
0224	0225	GERMAN III 1-2	2	1							11	12
0226	0227	GERMAN IV H 1-2	2	H1							11	12
0241	0242	SPANISH I 1-2	2	1					9	10	11	12
0243	0244	SPANISH II 1-2	2	1					9	10	11	12
0245	0246	SPANISH III 1-2/S101-102	2	D1	25	26	NA	IvyT 4/4		10	11	12
0247		IUACP SPAN IV 1-2/S200	1	HD1				IU 3			11	12
	0248	IUACP SPAN IV 1-2/S250	1	HD1				IU 3			11	12

*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 (I.E.P.'s) 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 are working 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 the Special Education [serving School City of Mishawaka] may contact the Executive Director, Mrs. Barb Michalos at 254-4528.

If there are specific questions about the Mishawaka High School program for students with special needs, Mrs. Jen Grimm, Department Chairperson, may be contacted at 254-7349.



SPECIAL EDUCATION

Content provided by MHS Special Education Department ... revised 10/2018...Jen Grimm, Chair

Courses for a Diploma							
HS Course #s		HS Course Name/College #	HS Cr per Sem	Eligible Grades			
Fall	Spring			9	10	11	12
4112	4113	ENGLISH 1/2	1	9	10		
4170	4171	LAL 1/2	1	9	10		
4122	4123	ENGLISH 3/4	1	9	10		
4132	4133	ENGLISH 5/6	1			11	12
4142	4143	ENGLISH 7/8	1			11	12
4418	4419	ALGEBRA I	1	9			
4420	4421	MATH LAB A1	1	9			
4433	4434	ALGEBRA I	1		10	11	12
4403	4404	ALGEBRA II	1		10	11	12
4401	4402	MATH LAB A2	1		10	11	12
4422	4423	GEOMETRY	1		10	11	12
4424	4425	MATH LAB G	1		10	11	12

Courses for a Certificate			
HS Course #s		HS Course Name/College #	Gr
Fall	Spring		
3011	3012	BASIC SKILL DEVELOPMENT	11-12
3110	3111	APPLIED ENG 9/10	9-10
3130	3131	APPLIED ENGLISH 11/12	11-12
3165	3166	DEVELOPMENTAL READING	9-12
3310	3311	APPLIED CITIZENSHIP & CIVICS	9
3320	3321	APPLIED GEOG & HIST/WORLD	10
3330	3331	APPLIED STATE & LOCAL GOV	11-12
3403	3404	APPLIED BUSINESS MATH	10-12
3398	3399	APPLIED ALGEBRA	9-10
3510	3511	APPLIED EARTH SPACE SCIENCE	9-12
3610	3611	APPLIED PREP COL & CAREERS	9-10
3871	3872	APPLIED CARRER INFO & EXP	11-12
3873	3874	APPLIED CAREER EXPLORATION	11-12
3877	3878	APPLIED COMMUNITY SERVICE	11-12
3875	3876	APPLIED WORK BASED LEARN	9-12
3701	3702	APPLIED NUTRITION & WELL	9-12
3009	3010	APPLIED HEALTH & WELL	9-12
3977	3978	APPLIED PHYSICAL ACTIVITY	9-12



CERTIFICATE OF COMPLETION

Pursuit of a Certificate of Completion is a Case Conference decision based on the individual needs of the student. Starting with the Class of 2022, students on this path 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 - Trade & Industry

WORK-BASED LEARNING (WBL)- TRADE & INDUSTRY (INCLUDING RELATED INSTRUCTION AND ON-THE-JOB TRAINING)

Length of Course: Four Semesters - 1 Credit each
Prerequisite: A minimum of 4 credits in a logical sequence of courses from program areas related to the student's career pathway.

- Preparing for College and Careers-1 credit
- Manufacturing Systems-1 credit,
- Intro. to Engineering Design or CAD I-2 credits

Students must successfully meet a company's employment requirements (application, interview, drug screening, etc.) in order to intern at the given company.

Credits: Grades and credits for related instruction and on-the-job training experiences are reflected under one course title for a total of six credits for the year.

COURSE: WBL spans all career and technical education program areas through an interdisciplinary approach to training for employment. Mishawaka High School's WBL program is primarily focused on preparing students for jobs in local and regional industries (machining and fabrication). Time allocations are a minimum of fifteen hours per week of work-based learning and approximately five hours per week of school-based instruction. The following two components must be included as part of the interdisciplinary Cooperative Education course.

Related Instruction, that is classroom based, shall be organized and planned around the activities associated with the student's individual job and career objectives in a career cluster area; and shall be taught during the same semesters as the student is receiving on-the-job training. The concepts, skills, and attitudes basic to occupational competence are to be taught in school and are to be applied and tested on the job. The sequence of related instructional topics in school shall be continuously correlated with the student's job activities.

Intended areas of focus include:

- Manufacturing Processes
- Lathe Operators
- Mill Operators
- CNC Operators
- General Shop Machines and Operations
- Safety
- OSHA

On-the-Job Training is the actual work experience in an occupation in any one of the Indiana career clusters that relates directly to the student's career objectives. On-the-job, the student shall have the opportunity to apply the concepts, skills, and attitudes learned during Related Instruction, as well as the skills and knowledge that have been learned in other courses. The student shall be placed on-the-job under the direct supervision of experienced employees who serve as on-the-job trainers/supervisors in accordance with pre-determined training plans and agreements and who assist in evaluating the student's job performance.

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

B and B Molders:

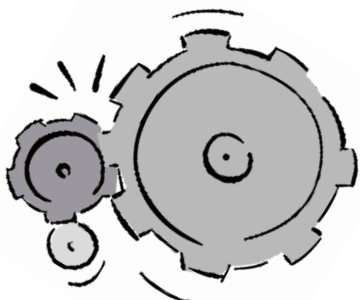
Wondering what life after high school could look like if higher education is not part of your near-term plans after graduation? Explore the possibilities of a career working for a local plastics manufacturing company (B & B Molders). This course will provide you with practical, hands-on, real life experience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

JAG PROGRAM JAG 1-4

Length of Course: Four Semesters - 1 Credit each

COURSE: Jobs for America's Graduates (JAG) is a school-to-career program whose mission is to keep young people in school through graduation. The focus is to provide work-based learning experiences that will lead to career-advancement opportunities or to enrollment in a post-secondary institution that leads to a rewarding career. JAG ensures students complete diploma requirements, obtain job-related skills, and remain employed full-time after graduation. JAG student participants engage in employability-skills training, adult mentoring, leadership development, job/internship/job shadowing and post-secondary education placement services, connections to school and community-based services, and 12-month follow-up services. JAG student participants also benefit from resumé writing, college visits, mock interviews, and guest speakers. JAG ensures students are ready to work, confident to pursue their dreams, and motivated to succeed.

Highlights of being in JAG:

- Assistance applying to colleges, FAFSA, career exploration, and personality assessments.
- Support for life events/guidance for the future
- Scholarship opportunities and community service opportunities
- Job shadowing opportunities to earn gift cards
- Assistance paying for work uniforms or items needed for employment
- Job leads for employment
- Learning how to make a resumé, cover letter, do job searches, and other important employment techniques.
- Opportunity to participate in the JAG Leadership Camp and Career Development Conference. You can also compete in various employment events to possibly earn scholarship money/gift cards.

ALTERNATIVE EDUCATION PROGRAMS

DAY ALTERNATIVE EDUCATION

Day Alternative Education for credit recovery is a program that gives students the opportunity to make up and earn credit for courses previously failed. Classes are on the computer, self-paced and offered during the school day. Students may have a schedule that combines traditional course work with this program. **Students may not drop a traditional course to then take the same course in the alternative education lab.** If a student does not make significant progress toward credit recovery during a semester they will be removed and be placed into a traditional course. Enrollment in this program must be approved by the student's guidance counselor.

NIGHT SCHOOL

The night school program at MHS is an option for students for credit recovery that is very similar to the day alternative program. This program is offered after school hours and is for juniors and seniors only. Some students may be enrolled in daytime and night course work to ensure a timely graduation. Other students may attend night school due to adverse life situations. In either case, enrollment will be discussed with the student, parent and guidance counselor. Night school meets Monday – Friday when school is in session. There are three, two-hour sessions every day beginning at 3:00 and ending at 9:00 p.m. Parents must be present at an enrollment appointment with the night school director prior to attending. Transfers of students to Night School must be approved by an administrator.

MISHAWAKA EDUCATION CENTER

The goal of this program is for all students to be successful in school, be prepared for life, and graduate with a Mishawaka High School Diploma. This non-traditional approach to education provides 10th grade students with the necessary resources and support to complete a high school diploma through the combination of teacher directed, computer assisted instruction and project based learning experiences.

All students will be expected to complete the State of Indiana approved curriculum by earning forty (40) credits and passing the required end of course assessment exams. It is also the goal of the program to prepare all students for post-secondary opportunities. Several fully certified and highly qualified staff members will provide instruction, guidance, and support for the students. Students are selected for this program by MHS administration to optimize opportunities for student success.

MISHAWAKA LEARNING CENTER

This non-traditional approach to education will provide each student with the necessary resources and support to complete a high school diploma and to obtain marketable work skills through the combination of teacher directed instruction, computer assisted instruction and hands-on learning experiences developed through student employment and internships. All students completing requirements for graduation will receive a Mishawaka High School Diploma and be eligible to participate in commencement ceremonies.

This program is designed for students who prefer a different approach to instruction. Students will attend school for three blocks in their junior year, two blocks in their senior year, and work or intern in the community for a minimum of 15 hours per week. The MLC is for 11th and 12th grade. Several fully certified and highly qualified staff members will provide instruction, guidance, and support for the students. Student employment and administrative approval are required for admission.



Four Year Plan Chart

Use this chart to plan the courses you will take at Mishawaka High School. Use the information about the diploma program that you have selected and the course descriptions to plan your four years at MHS.



NAME _____

1ST SEMESTER

1. English 9 _____
2. Math _____
3. Science _____
4. _____
5. _____
6. _____
7. P.E. 1 _____

FRESHMAN

1. English 9 _____
2. Math _____
3. Science _____
4. _____
5. _____
6. _____
7. P.E.2 _____

2ND SEMESTER

1ST SEMESTER

1. English 10 _____
2. Math _____
3. Science _____
4. Health _____
5. Social St. _____
6. _____
7. _____

SOPHOMORE

1. English 10 _____
2. Math _____
3. Science _____
4. _____
5. Social St. _____
6. _____
7. _____

2ND SEMESTER

1ST SEMESTER

1. English 11 _____
2. Math _____
3. Science _____
4. U.S. History _____
5. _____
6. _____
7. _____

JUNIOR

1. English 11 _____
2. Math _____
3. Science _____
4. U.S. History _____
5. _____
6. _____
7. _____

2ND SEMESTER

1ST SEMESTER

1. English 12 _____
2. Sr. Soc. St. _____
3. _____
4. _____
5. _____
6. _____
7. _____

SENIOR

1. English 12 _____
2. Government _____
3. _____
4. _____
5. _____
6. _____
7. _____

2ND SEMESTER

Mishawaka Secondary School Personnel 2018–2019

Mishawaka High School (254-7300)

Jerome C. Calderone
Principal

John Ross
Associate Principal

Dave Troyer
Assistant Principal

Chad Brugh
Dean of Students

Jessica Mann
Dean of Students

Sean Steinkellner
Dean of Students

Jenifer Fisher
Transition Coordinator

Debbie Lewinski
Administrative Intern

Susan Piper
Director of Counseling Services
Counselor, 9th, 12th &
Alternative Education Programs

Nicole Kaiser
Counselor for 9th Grade Students

Kelly Meador
Counselor, 10th Grade Students

Melissa Raffelock
Counselor, 11th Grade Students

Diane Gorman
Counselor, 9th & 12th Grade Students

John Young Middle School (254-3600)

C. Mike Fisher
Principal

Ashley Litwin
Assistant Principal

Brandon Trtan
Assistant Principal

Cherie Smith
Counselor, 7th Grade

Laurie Schalliol
Counselor, 8th Grade



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