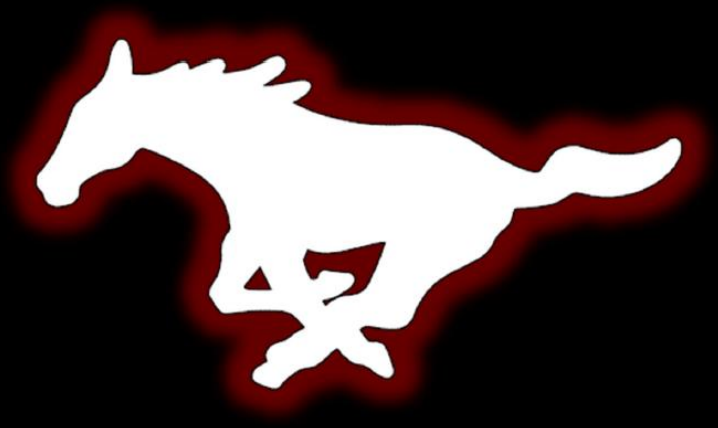
2027-2028
Munster High School
Course Selection Guide



Our mission is to help students demonstrate academic growth and social responsibility in a supportive and intellectually challenging learning environment.

MHS Guidance Department

8808 Columbia Avenue

Munster, IN 46321

Phone: 219-836-3200 | Fax: 219-836-3218

Please understand that this document will be updated as new information is released by the DOE.

Last updated 11 /23 /2026

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Hammond Area Career Center
(219) 933-2428

Staff Directory

Area Career Center of Hammond Website

GUIDANCE SERVICES

Guidance Activities

- School counselors will meet with area 8th grade students at Wilbur Wright Middle School, St. Thomas More, and St. Paul's to present an overview of high school life, including curriculum and graduation requirements. Counselors will conduct an evening informational session for parents of incoming freshmen.
- Middle and high school counselors will help incoming freshmen make appropriate course selections for 2024-2025.
- Counselors will meet with freshmen in small groups in August to acclimate them to the Guidance office and policies.
- Counselors will meet individually with 9th & 10th graders to determine class selections and to review courses of study. Students in every grade will participate in various College and Career Readiness activities each semester of high school.
- Counselors will meet individually with students in 11th grade to review graduation requirements, post-secondary plans, college entrance requirements, and senior courses. Juniors will review the college application process and examine tools that help them search for appropriate schools.
- Counselors will meet individually with students in 12th grade to review graduation requirements and post-secondary plans.

Schedule Changes

- Classes may be changed during the first **4 days of each semester** for the following reasons: unscheduled class period, class needed to complete graduation requirements, or failure of a prerequisite.
- A "Schedule Change Request Form," with a parent signature of approval, must be submitted to the Guidance Office by the end of the fourth day of each semester. Submitting a request does not guarantee a schedule change.
- Schedule change requests are handled on an individual basis. A course may be added only if the change does not cause classroom overcrowding. Students who withdraw from a class, with parent approval, after the seventh week of the semester will receive a grade of "WF" (Withdraw Failure). The "WF" is recorded as the semester grade and is computed in the student's grade point average.
- Please understand that schedules can change at the semester to accommodate the scheduling requests of all students. There is no guarantee that students will keep the same teacher or course order from semester to semester.
- **Students and families cannot request specific teachers, lunch hours, or class periods**.

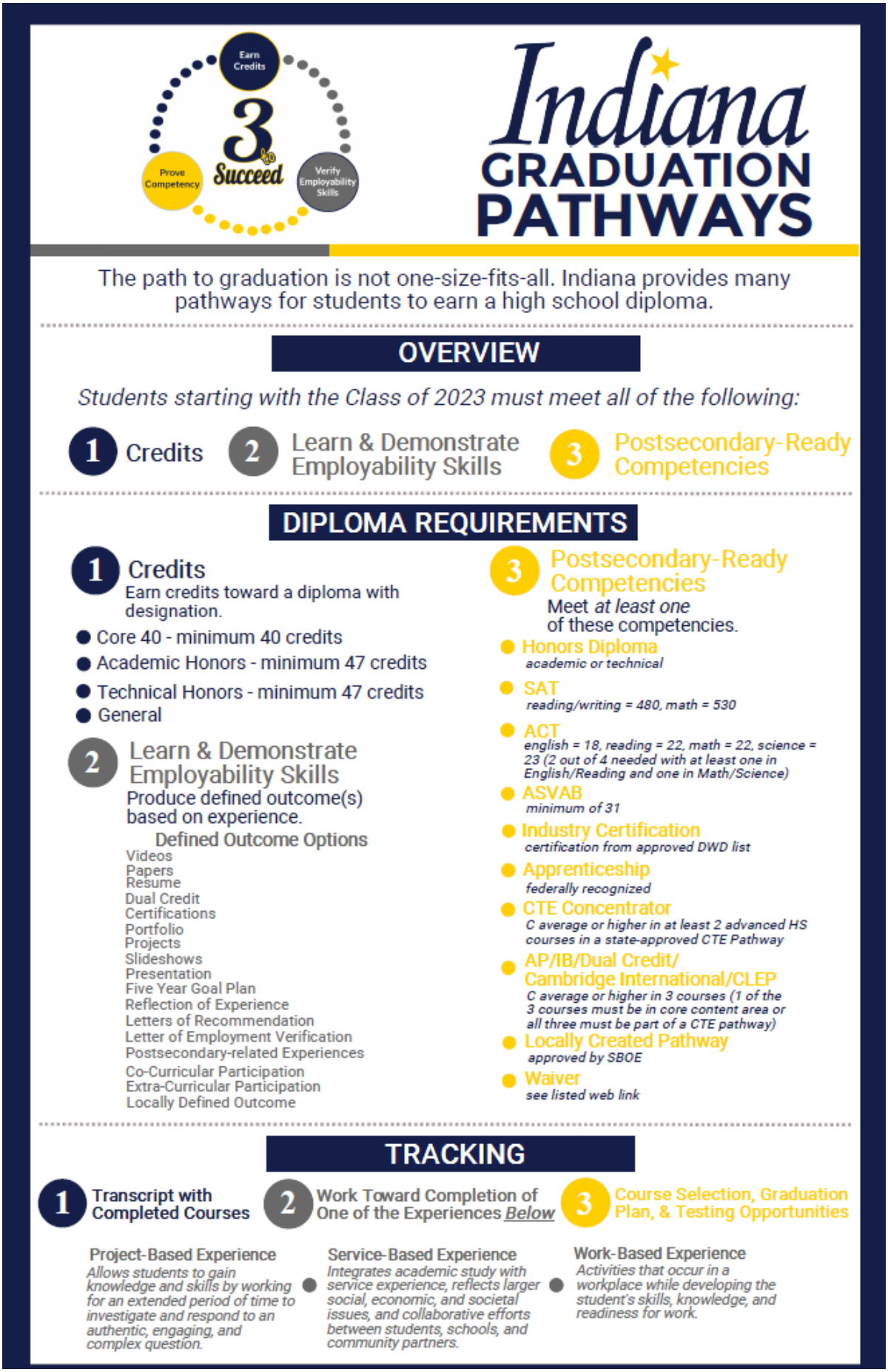
Grades and Athletic Eligibility

- To participate in athletics, a student must have **passed 5 classes the previous grading period or semester.** The student must also be passing at least 5 subjects in the current grading period. All freshmen are eligible to participate during the first 9-week grading period if they are currently enrolled in and passing 5 courses.

AP/ Honors/ Advanced Courses

- **Students may only take 6 Pre-AP/AP/Honors/ Advanced classes per semester.** This is the equivalent of 18 college hours. Students wishing to attempt 7 classes may submit a written request to their counselors. This will be approved or denied by the building principal.
- **College Board Account Required:** Students in Pre-AP and AP classes will need an active College Board account to join their class section online in order to access AP resources and to be eligible to take the AP exam for their class. College Board accounts set up with parents' names or with the use of non-legal names such as nicknames or initials for first names should not be used. Any changes to College Board accounts can only be made by students and parents by contacting College Board directly. Munster High School does not have access to change account information or reset passwords.

GRADUATION PATHWAYS: CLASS OF 2023 to 2028



BOX 1: DIPLOMA CREDIT REQUIREMENTS

The Indiana Core 40 curriculum provides the academic foundation necessary to succeed in college and the work force. Therefore, the Core 40 Diploma is the minimum requirement for admission to Indiana's four-year public universities. To graduate with less than a Core 40 Diploma, it must be determined that earning a MHS General Diploma is in the student's best interest. A formal opt-out process must then occur, involving parents, counselors, and administrators.

	CORE 40	CORE 40 WITH TECHINCAL HONORS	CORE 40 WITH ACADEMIC HONORS
ENGLISH	8 CREDITS English 9/Pre-AP, 10/AP Seminar, 11/AP, & 12/AP	8 CREDITS English 9/Pre-AP, 10/AP Seminar, 11/AP, & 12/AP	8 CREDITS English 9/Pre-AP, 10/AP Seminar, 11/AP, & 12/AP
MATH	6 CREDITS Algebra I/Pre-AP Geometry/Pre-AP Algebra II/Pre-AP **Students must take a math or quantitative reasoning course each year in high school.*	6 CREDITS Algebra I/Pre-AP Geometry/Pre-AP Algebra II/Pre-AP **Students must take a math or quantitative reasoning course each year in high school.*	8 CREDITS Algebra I/Pre-AP Geometry/Pre-AP Algebra II /Pre-AP Precalculus OR Trig & Stats OR AP STATS **Students must take a math or quantitative reasoning course each year in high school.*
SCIENCE	6 CREDITS **Biology/Pre-AP** **ICP or Chem/Pre-AP or Physics** AP Biology Earth Space Science AP Chemistry AP Physics AP Environmental Science Anatomy & Physiology Kinesiology AP Computer Science Principles/A *See Sci Depart for additional courses*	6 CREDITS **Biology/Pre-AP** **ICP or Chem/Pre-AP or Physics** AP Biology Earth Space Science AP Chemistry AP Physics AP Environmental Science Anatomy & Physiology Kinesiology AP Computer Science Principles/A *See Sci Depart for additional courses*	6 CREDITS **Biology/Pre-AP** **ICP or Chem/Pre-AP or Physics** AP Biology Earth Space Science AP Chemistry AP Physics AP Environmental Science Anatomy & Physiology Kinesiology AP Computer Science Principles/A *See Sci Depart for additional courses*
SOCIAL STUDIES	6 CREDITS Pre-AP World History Ancient World History Modern World History U.S. History/AP Government/AP Economics/AP	6 CREDITS Pre-AP World History Ancient World History Modern World History U.S. History/AP Government/AP Economics/AP	6 CREDITS Pre-AP World History Ancient World History Modern World History U.S. History/AP Government/AP Economics/AP
HEALTH	1 CREDIT	1 CREDIT	1 CREDIT
P.E.	2 CREDITS	2 CREDITS	2 CREDITS
PREPARATION FOR COLLEGE AND CAREERS	1 CREDIT	1 CREDIT	1 CREDIT
DIRECTED ELECTIVES	5 DIRECTED ELECTIVES FROM Fine Arts, World Languages, Career/ Technical	5 DIRECTED ELECTIVES FROM Fine Arts, World Languages, Career/ Technical	**Fine Arts and Language requirements noted below.**
ELECTIVES	ELECTIVE CREDIT 5 CREDITS	ELECTIVE CREDIT 6 CREDITS *6 CREDITS MUST BE IN A STATE-APPROVED PATHWAY*	FINE ARTS (2 CREDITS) Band, Choir, Orchestra, Piano and Electronic Keyboard(s), Theater Arts, Technical Theater, Ceramics, Intro to 2D, Drawing, Photography, and Student Media.
WORLD LANGUAGE	Language not required	Language not required	Earn 6-8 World Language credits. (6 credits/3 years of one language) **OR** (8 credits/2 years + 2 years of 2 languages)
CREDITS NEEDED FOR GRADUATION	**40 CREDITS**	**47 CREDITS**	**47 CREDITS**

Additional Information on Graduation Requirements

FOR A TECHNICAL HONORS DIPLOMA, A STUDENT MUST ALSO:

* Earn a grade "C-" or better in required courses.

* Have an overall GPA of 3.0 or better.

* Earn 6 credits in the college and career preparation courses in a state-approved College & Career Pathway and one of the following:
  1- Pathway designated industry-based certification or credential OR
  2- Pathway dual credits from the lists of priority courses resulting in 6 transcripted college credits.

* Complete **one** of the following:
  A. Any one of the options for the AHD.
  B. Score at or above the following levels on WorkKeys: Reading for Info- Level 6, Applied Math- Level 6, Locating Info- Level 5.
  C. Earn the following minimum score(s) on Accuplacer Placement: Writing 80, Reading 90, Math 75.
  D. Earn the following minimum score(s) on Compass: Algebra 66, Writing 70, Reading 80.

FOR AN ACADEMIC HONORS DIPLOMA, A STUDENT MUST ALSO:

*Earn a grade of "C-" or better in required courses, each semester

*Have an overall GPA of 3.0 or better.

* Complete one of the AHD requirements listed below:

A. Complete AP courses (4 credits) & corresponding AP exams

B. Complete dual credit courses resulting in 6 transferable credits.

C. Complete a combination of AP course(s) (2 credits) AND corresponding AP exams AND dual credit course(s) resulting in 3 transferable college credits.

D. Earn a combined score of 1250 or higher on the SAT and a minimum of 560 on math and 590 on ERW.

E. Score a 26 or higher composite on the ACT with written section.

NEW INDIANA DIPLOMA: CLASS of 2029 & Onward

INDIANA DEPARTMENT of EDUCATION

THE NEW INDIANA DIPLOMA: ELIGIBLE COURSES FOR SY 25-26

The new Indiana diploma, effective for all students beginning with the class of 2029, includes a base (minimum requirements) for every student, plus the opportunity to earn readiness seals aligned with their unique path. Students are encouraged to seize this flexibility by personalizing their high school experience. The new seals provide additional intentionality to maximize readiness and are designed to be permeable, allowing students to update their graduation plan and pivot, if their original interests and goals change. Students who do not earn a seal must still complete components 2 and 3 of Graduation Pathways.

		REQUIRED CREDITS	FLEXIBLE CREDITS

ENGLISH	8 CREDITS	• 2 credits: English 9	• 1 credit: Communications-focused course
			  ○ Ex. Speech, Journalism, Visual Communication, etc.
			• 5 additional English credits
			  ○ Ex.: English 10-12, American Literature, World Literature, Expository Writing, etc.

MATH	7 CREDITS	• 2 credits: Algebra I • 1 credit: Personal Finance	• 4 additional math credits ○ Ex. Geometry, Algebra II, Pre-Calculus, Probability and Statistics, Business Math, etc.

SCIENCE, TECHNOLOGY, AND ENGINEERING	7 CREDITS	• 2 credits: Biology I
		• 1 credit: Computer Science
			• 2 additional science credits
			  ○ Ex. Biology II, Chemistry I, Physics I, etc.
			• 2 STEM-focused credits
			  ○ Ex. Plant and Soil Science, Principles of Engineering, Software Development, etc.

SOCIAL STUDIES	5 CREDITS	• 2 credits: U.S. History • 1 credit: U.S. Government	• 2 credits: World Perspectives ○ Ex. Geography and History of the World, AP World History, French III, etc.
PE/HEALTH	2 CREDITS	• 1 credit: Physical Education • 1 credit: Health & Wellness	
PERSONALIZED ELECTIVES	12 CREDITS	Students are encouraged to utilize the new readiness-seals to align these personalized electives with their unique goals. Personalized electives can include a variety of courses, such as Career and Technical Education (CTE), Performing or Fine Arts, and World Languages.	
COLLEGE & CAREERS	1 CREDIT	• 1 credit: Preparing for College & Careers	Preparing for College and Careers can be offered in middle school to provide additional flexibility in a student's high school schedule.

A complete list of eligible courses for the 25-26 school year is can be found here.

INDIANA DEPARTMENT of EDUCATION

BLUEPRINT FOR SUCCESS: READINESS-SEALS

Readiness seals are designed to be permeable, allowing students to update their graduation plan and pivot, if their original interests and goals change. Although seals are optional, students are encouraged to utilize the blueprints below to focus their flexible credits into a connected pathway that aligns with their future goals. Students may earn one or multiple seals. Graduation Pathways requirements will be satisfied through completion of any seal.

HONORS SEAL

ENROLLMENT

- Complete at least 4 World Language and 6 Social Studies credits
- Complete at least 8 Math credits
  - Algebra I plus Geometry, Algebra II, and Pre-Calculus or any advanced math credits aligned to their course of study
- Complete at least 6 Science credits
  - Biology I plus Chemistry or Physics or any advanced lab science credits aligned to their course of study
- Earn a C or higher in all courses and earn a cumulative B average
- Complete one of the following:
  - Earn 4 credits in AP, IB, or Cambridge courses and take corresponding exams
  - Earn 6 college credits
  - Score a 1250 on the SAT or a 26 on the ACT
  - Earn two of the following:
    - At least 3 college credits
    - 2 credits in AP courses and take corresponding exams
    - 2 credits in IB courses and take corresponding exams
    - 2 credits in Cambridge courses and take corresponding exams

EMPLOYMENT

- Complete one of the following:
  - A market-driven credential of value aligned to a specific occupation
  - 3 courses in a Career and Technology Education (CTE) pathway
  - An approved career preparation experience aligned to Indiana's CSA program, or
  - An approved, locally-created pathway
- Complete 150 hours of work-based learning (may include multiple experiences that are paid, unpaid, on-site, or simulated)
- Demonstrate skill development in Communication, Collaboration, and Work Ethic
- Meet attendance goal:
  - At least 1 school year with no more than 3 days of unexcused absences; or
  - At least 150 hours of work-based learning experience with no more than 3 unexcused absences.

ENLISTMENT & SERVICE

- Complete one of the following:
  - Introduction to Public Service course or approved locally-created equivalent
    - Emphasis on developing an awareness of the physical standards and character required for service
  - One year of JROTC or Civil Air Patrol in high school
- Achieve a score of 31 on the ASVAB and complete one of the following:
  - All three components of the Career Exploration Program
  - A career exploration tool approved by IDOE
- Meet attendance goal:
  - At least 1 school year with no more than 3 days of unexcused absences
- Demonstrate skill development in Communication, Collaboration, and Work Ethic
  - Externally verified through a mentorship experience with current military personnel, veterans, or other public safety professionals

HONORS PLUS SEAL

Earn the Honors Enrollment Seal, plus:

- Earn a credential of value that may include, for example:
  - Associate degree;
  - Technical Certificate;
  - Indiana College Core;
  - AP Scholar with Distinction;
  - Cambridge AICE Diploma; or
  - IB Diploma
- Complete at least 75 hours of work-based learning (may include multiple experiences that are paid, unpaid, on-site, or simulated)
- Demonstrate skill development in the following areas: Communication, Collaboration, and Work Ethic

Earn the Honors Employment Seal, plus:

- Earn a market-driven credential of value that may include, for example:
  - Associate degree;
  - Technical Certificate;
  - Indiana College Core; or
  - Advanced industry certificate
- Complete additional work-based learning (total of 650 hours in one or more experiences) that may include, for example:
  - Pre-Apprenticeship
  - Modern Youth Apprenticeship
- Demonstrate skill development in Communication, Collaboration, Work Ethic, and any additional skills determined locally

Earn the Honors Enlistment Seal, plus:

- Complete one of the following:
  - Achieve a score of 50 or higher on the ASVAB
  - Enrollment in ROTC at the collegiate level
  - Acceptance to a service academy
- Demonstrate excellence in leadership through one of the following:
  - Completion of at least 100 hours of public service;
  - Holding a leadership role in a co/extracurricular activity;
  - Completion of two seasons of a team-based physical sport or activity

Box 2: Employability Skills

Students must complete one of the three options listed below (Project-Based, Service-Based, or Work-Based Learning). There is no waiver option for BOX 2. All students must complete 1 of 3 options.

1. **Project-Based Learning**:
    a. **This is not the simple completion of a class project.**
    b. **Established within certain capstone classes**
    c. **Completion of a student work product**
    d. **Validated by the high school**

2. **Service-Based Learning:**
    a. **Engagement in a school-based activity that is co-curricular/extra-curricular for at least one academic year.**
    b. **Students need to complete 8 points (80 hours) over their high school careers.**
    c. **Not the simple completion of community service/volunteer hours**
    d. **Completion of an Eagle Scout Award (BSA) OR Gold Award (GSA)**
    e. **DOC 200 Award**
    f. **Students can submit other meaningful service activities for review**
    g. **Reflection (2-3 pages) & Verification Sheet**
    h. **Validated by the high school**

3. **Work-Based Learning:**
    a. **Completion of the Governor's Work Ethic Certificate**
    b. **Employment outside of school (summer, after-school, weekend) totaling 75 hours**
    c. **Reflection (2-3 pages) & Verification Sheet**
    d. **Validated by the high school**

Box 3: Postsecondary-Ready Competencies

Students have various ways to meet BOX 3 Competencies. Students must complete 1 of these options or meaningfully attempt 3 of them to qualify for a waiver.

1. **Complete an Academic Honors OR Technical Honors Diploma**

2. **Achieve ACT benchmark scores of the following (super-scoring allowed) (English or Reading & Math or Science):**
    a. **English 18 (53rd percentile)**
    b. **Reading 22 (66th percentile)**
    c. **Math 22 (74th percentile)**
    d. **Science 23 (76th percentile)**

3. **Achieve SAT Benchmark scores of the following (super-scoring allowed):**
    a. **English 480 (41st percentile)**
    b. **Math 530 (61st percentile)**

ACT and SAT benchmark scores are based on national data. A student with these scores demonstrates a 75% likelihood of achieving a C or higher in semester 1 core freshman classes at the college level. Percentiles are updated based on 2025 data.

4. **Achieve ASVAB scores of the following (based on the first 5 sections of the test, not the career exploration content).**
   To use this option, students must complete the *required* Intent to Enlist Form:
   a. **Army 31**
   b. **Marines 31**
   c. **Navy 35**
   d. **Air Force 36**
   e. **Coast Guard 45**

5. **Complete a State and Industry-recognized Credential or Certification (Frequently earned through the Area Career Center of Hammond)**

6. **Become a Career-Technical Education Concentrator** (C- average or higher in course sequence)

Below are a number of Pathway Options that students can pursue. Students should plan to complete these classes over three years.

Option 1: PLTW Biomedical Sciences Pathway

- PLTW Principles of Biomedical Sciences (PBS)
- PLTW Human Body Systems (HBS) OR Anatomy & Physiology
- PLTW Medical Interventions (MI)

Option 2: PLTW Engineering Pathway

- PLTW Introduction to Engineering Design (IED)
- PLTW Principles of Engineering (POE)
- PLTW Digital Electronics (DE)
- OR PLTW Civil Engineering and Architecture (CEA)

Option 3: Entrepreneurship Pathway

- Principles of Entrepreneurship
- New Venture Development
- Entrepreneurial Operations

Option 4: Computer Science Pathway

- AP Computer Science Principles
- AP Computer Science A
- Topics in Computer Science

Option 5: Human and Social Services

- Principles of Human Services
- Fundamentals of Human Services
- Advanced Social and Community Services

Option 6: Health and Exercise Science

- Principles of Exercise Science
- Kinesiology
- Human Performance

Option 7: Fine Arts - Band Pathway

- Principles of Entrepreneurship
- 3 full years of Band coursework

Option 8: Fine Arts - Choir Pathway

- Principles of Entrepreneurship
- 3 full years of Choral coursework
  - Beginning Chorus
  - Intermediate Chorus
  - Chorale

Option 9: Fine Arts - Orchestra Pathway

- Principles of Entrepreneurship
- 3 full years of Orchestra coursework
  - Intermediate Orchestra
  - Orchestra

Option 10: Fine Arts - Two-Dimensional Art Pathway

- Principles of Entrepreneurship
- Introduction to 2D Art
- Drawing
- 2D Art II *or* Painting I

Option 11: Fine Arts – Three-Dimensional Art (Ceramics) Pathway

- Principles of Entrepreneurship
- Ceramics I
- Ceramics II
- Ceramics III

Option 12: Area Career Center Programs

- 16 programs at the ACC
- Listed later in the Course Guide

7. **Advanced Placement**
    a. **Must earn a C average or higher in at least three courses**
    b. **One course must be in English, Math, Science, or Social Studies**
    c. **Must take the AP exam regardless of score**
    d. **Grades of D or F in an AP course can be replaced with a score of 3 or higher on the exam**
    e. **Can mix AP and Dual Credit classes to complete this requirement**

8. **Dual Credit**
    a. **Must earn a C average or higher in at least three courses**
    b. **Meet and complete the dual credit partner entrance requirements**
    c. **One course must be in a core content area OR three must be part of a CTE sequence.**
        - **Core Content Areas include dual credits awarded for Advanced Speech, AP Economics, AP Psychology, AP US Government, AP US History, AP Biology, AP Chemistry, English, French, math, and Spanish.**
        - **Principles of Business Management can count as a core class.**
        - **Core Content Areas do not include dual credits in Marketing, Entrepreneurship, or Engineering Technology.**
    d. ***Note: Due to increased certification standards, dual credit offerings may diminish in 2025-2026.***

9. **Waiver**
    a. **No waiver for Box 2.**
    b. **Waiver only available for Box 3. For students who did not achieve a Box 3 option**
        - **Students must meaningfully attempt 3 separate Box 3 options to qualify.**
        - **Senior year transfer from out of state AND did not achieve a Box 3 option.**

Additional information on Graduation Pathways can be read at: https://www.in.gov/doe/students/graduation-pathways/

Munster High School - 4-Year Graduation Plan Worksheet

Name: _____ **Graduation Year:** _____

Box 1 Diploma Type:

- ☐ Indiana Diploma
- ☐ with Honors Enrollment Seal
- ☐ with Honors Employment Seal *(Internship Required)*
- ☐ with Honors Enlistment Seal
- ☐ with Honors Enrollment **PLUS** Seal *(ICC & Internship Required)*
- ☐ with Honors Employment **PLUS** Seal *(Internship Required)*
- ☐ with Honors Enlistment **PLUS** Seal

Box 2 Activity: _____

Box 3 Pathway: *(if required)*

☐ Biomedical Science ☐ Computer Science ☐ Engineering ☐ Entrepreneurship ☐ Exercise Science
☐ Human Services ☐ 2D Art ☐ 3D Art ☐ Band ☐ Choir ☐ Orchestra ☐ Area Career Center (ACC)

SUMMER SCHOOL *or 8th Grade*		

Freshman Year		
Semester 1	**Semester 2**	For scheduling purposes only
		Alternate Class 1: _____
		Alternate Class 2: _____

SUMMER SCHOOL		

Sophomore Year		
Semester 1	**Semester 2**	For scheduling purposes only
		Alternate Class 1: _____
		Alternate Class 2: _____

SUMMER SCHOOL		

Junior Year		
Semester 1	**Semester 2**	For scheduling purposes only
		Alternate Class 1: _____
		Alternate Class 2: _____

SUMMER SCHOOL		

Senior Year		
Semester 1	**Semester 2**	For scheduling purposes only
		Alternate Class 1: _____
		Alternate Class 2: _____

Plans After High School: _____
(ex: college, employment, trades/apprenticeship, military)

Current Career Interests: _____

MHS 4-YEAR PLAN SHEET

9th Grade	
Summer School	
1.	2.
1. English 9	1. English 9
2. Math	2. Math
3. Science	3. Science
4. PE I	4. PE II
5. World History-Ancient Civilization	5. World History-Modern Civilization
6.	6.
7.	7.
10th Grade	
Summer School	
1.	2.
1. English 10	1. English 10
2. Math	2. Math
3. Science	3. Science
4. Health & Wellness	4. Preparation for College & Careers
5.	5.
6.	6.
7.	7.
11th Grade	
Summer School	
1.	2.
1. English 11	1. English 11
2. Math	2. Math
3. Science	3. Science
4. US History	4. US History
5.	5.
6.	6.
7.	7.
12th Grade	
Summer School	
1.	2.
1. Composition	1. Literature
2. Government	2. Economics
3. Math or Quantitative Reasoning	3. Math or Quantitative Reasoning
4.	4.
5.	5.
6.	6.
7.	7.

COURSE DESCRIPTIONS

BUSINESS TECHNOLOGY EDUCATION

COMPUTING FOUNDATIONS FOR A DIGITAL AGE **(IDOE#: 4565)** **S** **9, 10, 11, 12**

This course satisfies the Computer Science requirement for the Class of 2029 and classes thereafter.

Computers and the internet have revolutionized the way we access and disseminate information. This course is designed to introduce students to five major topics within computer science including computing systems, networks and the internet, data and analysis, algorithms and planning, and impacts of computing. The course introduces foundational computing concepts while exploring current events and building critical thinking, collaboration, problem solving, and other important skills that are invaluable for life in a global and technologically advancing society.

AP COMPUTER SCIENCE PRINCIPLES **(IDOE#: 7183)** **Y** **9, 10, 11, 12**

Recommended Prerequisite: Successful completion of Algebra I

The AP Computer Science Principles course is designed to introduce students to the central ideas of computing and computer science, to instill ideas and practices of computational thinking, and to have students engage in activities that show how computing and computer science can change the world. Students will creatively address real-world issues and concerns while using the same processes and tools as artists, writers, computer scientists, and engineers to bring ideas to life. The course is rigorous and rich in computational content and engages students in the creative aspects of the computer science field. This course is designed for college-bound students looking to gain in-depth computer knowledge to be used in any field of study. This course is taken prior to AP Computer Science A. Successful completion of this course will prepare students for the AP Computer Science Principles exam in May. ***(QR Course) (Counts as a Science class for all Indiana diplomas) Course is weighted. NCAA-Approved Course***

AP COMPUTER SCIENCE A **(IDOE#: 7352)** **Y** **11, 12**

Recommended Prerequisite: Successful completion of Algebra II

If you are interested in computer programming-one of the fastest growing careers today-this is the class for you. This course uses Java, the most world-wide language, to teach object-oriented programming with a concentration on problem solving and algorithm development. Students solve programming problems by planning, entering, and debugging solutions using the Java language. Some of the topics covered will include variables, classes, objects, algorithms, decision statements, loops, strings, arrays, array Lists, methods, inheritance, interfaces, and recursion. Programming skills and conceptual understanding are developed through a problem-solving, hands-on approach. Successful completion of this course will prepare students for the AP Computer Science A exam in May. ***(QR Course) (Counts as a Science class for all Indiana diplomas) Course is weighted. NCAA-Approved Course***

TOPICS IN COMPUTER SCIENCE **(IDOE#: 7351)** **y** **10, 11, 12**

Prerequisite: AP Computer Science Principles. It is preferred that students complete AP Computer Science Principles and A prior to taking this class.

****Federal funding requires the disclosure of student social security number to enroll in this class.***

The Topics in Computer Science course offers a comprehensive exploration of cybersecurity, data science, artificial intelligence, game design, and robotics. Students will engage in practical labs using Virtual Machines to understand cybersecurity principles, delve into data analysis and interpretation, explore different machine-learning processes, design and develop their own games, and experiment with training robots as self-driving vehicles. Through a scientific approach, students will gain valuable insights and skills, preparing them for further exploration in the exciting field of computer science. Because of the advanced coding involved, it is beneficial for students to complete both AP Computer Science Principles and AP Computer Science A prior to enrolling in this class. Students can also meet with the instructor to see if the class is an appropriate fit. ***(Counts as a Science class for all diplomas) Course is weighted. NCAA-Approved Course***

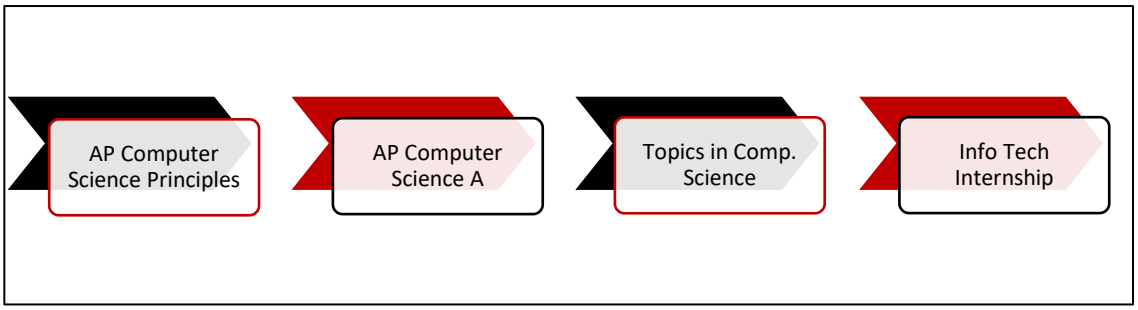
INFORMATION TECHNOLOGY INTERNSHIP **(IDOE#: 5974)** **S** **12**

Prerequisite: Students must complete the Computer Science Sequence below. AP Computer Science Principles and AP Computer Science A must be completed prior to requesting the internship opportunity. Students can concurrently enroll in Topics in Computer Science. An application is required. Placement will be determined by a committee. Students must average a "C" or higher in required coursework. Students will also be reviewed for attendance and discipline.

****Federal funding requires the disclosure of student social security number to enroll in this class.***

This course offers Munster students a unique opportunity to intern with local businesses or organizations in a technology field related to their interest. Students need to provide their own transportation. Students should declare their interest early in their high school careers so counselors can ensure that the proper coursework has been completed. This multi-period class schedules in a block either at the beginning or end of the school day. *Students violating school rules or expectations will be removed from internships. Intern applicants will be reviewed for grades, course work, attendance and discipline records. If interest exceeds availability, the most qualified students will be selected.* Internships can be cancelled due to unforeseen circumstances.

Computer Science Sequence



PERSONAL FINANCIAL RESPONSIBILITY **(IDOE#: 4540)** **S** **9, 10, 11, 12**

This course satisfies the Personal Finance requirement for the Class of 2028 and classes thereafter. It will be offered concurrently within Economics and AP Economics classes.

Students are encouraged to take the class in grades 10 through 12.

Personal Financial Responsibility addresses the identification and management of personal financial resources to meet the financial needs and wants of individuals and families, considering a broad range of economic, social, cultural, technological, environmental, and maintenance factors. This course helps students build skills in financial responsibility and decision making; analyze personal standards, needs, wants, and goals; identify sources of income, savings, and investing; understand banking, budgeting, record-keeping and managing risk, insurance and credit card debt.

PRINCIPLES OF BUSINESS MANAGEMENT **(IDOE#: 4562)** **Y** **9, 10, 11, 12**

****Federal funding requires the disclosure of student social security number to enroll in this class.***

Dual Credit Option: Ivy Tech (BUSN 101) (3 credits)

This course is designed for students enrolled in a college prep curriculum and interested in pursuing a career in business. Instruction includes business organization, entrepreneurship, management, labor, marketing, and finance. Coursework requires supplemental materials, outside readings, group discussions, simulations, and written analyses. ***NCAA-Approved Course***

MARKETING FUNDAMENTALS **(IDOE#: 5914)** **Y** **10, 11, 12**

Prerequisite: Principles of Business Management. Class can also be taken concurrently with Principles of Business Management.

****Federal funding requires the disclosure of student social security number to enroll in this class.***

Dual Credit Option: Ivy Tech (MKTG 101) (3 credits)

This course provides a basic introduction to the scope and importance of marketing in the global economy. Emphasis is placed on using software, tools and techniques used by Marketing Professionals in the industry. In addition to oral and written communications, mathematical applications, problem solving, and critical thinking skills as they relate to consumer behavior, market research, advertising, social media, promotion, positioning, perceptual analysis, target marketing, selling, distribution, financing, marketing information management, pricing, and product/service management. Students will learn how to work in groups to conduct marketing analysis, create marketing plans, surveys, commercials, billboards and out -of-home mockups, and advertising campaigns. ***NCAA-Approved Course***

PRINCIPLES OF ENTREPRENEURSHIP **(IDOE#: 7154)** **Y** **9, 10, 11, 12**

Course 1 in the Entrepreneurship Pathway

****Federal funding requires the disclosure of student social security number to enroll***

Dual Credit Option: Ivy Tech (ENTR 100 & ENTR 200) (5 credits per semester; 10 credits total)

Principles of Entrepreneurship focuses on students learning about their own strengths, character and skills and how their unique abilities can apply to entrepreneurship, as well as how an entrepreneurial mindset can serve them regardless of their career path. Students will learn about the local, regional and state resources and will begin to understand and apply the entrepreneurial process. The course helps students to identify and evaluate business ideas while learning the steps and competencies required to launch a successful new venture. The course helps students apply what they have learned from the content when they write a Personal Vision Statement, a Business Concept Statement, and an Elevator Pitch. ***NCAA-Approved Course***

NEW VENTURE DEVELOPMENT **(IDOE#: 7148)** **Y** **10, 11, 12**

Prerequisite: Principles of Entrepreneurship

Course 2 in the Entrepreneurship Pathway

Federal funding requires the disclosure of student social security number to enroll

Dual Credit Option: Ivy Tech (ENTR 215 & 218) (6 credits awarded at the end of the year.)

New Venture Development is targeted to students interested in creating and growing their own businesses. The course will focus on key marketing strategies particularly relevant for new ventures. Students will apply marketing concepts to entrepreneurial company challenges, which include creating and nurturing relationships with new customers, suppliers, distributors, employees and investors; and understand the special challenges and opportunities involved in developing marketing strategies "from the ground up." ***NCAA-Approved Course***

Entrepreneurial Operations **(IDOE#: 7147)** **Y** **11, 12**

Prerequisite: Principles of Entrepreneurship & New Venture Development

Course 3 in the Entrepreneurship Pathway

Federal funding requires the disclosure of student social security number to enroll

Dual Credit: Ivy Tech (ENTR 105 & 205) (5 credits awarded at the end of the year.)

Small Business Operations will help students identify and evaluate the various sources available for funding a new enterprise; demonstrate an understanding of financial terminology; read, prepare, and analyze basic financial statements; estimating capital requirements and risk, exit strategies; and prepare a budget for their business, including taxes and personnel costs. In addition, the student should be able to explain the importance of working capital and cash management. The student should also be able to identify financing needs and prepare sales forecasts. ***NCAA-Approved Course***

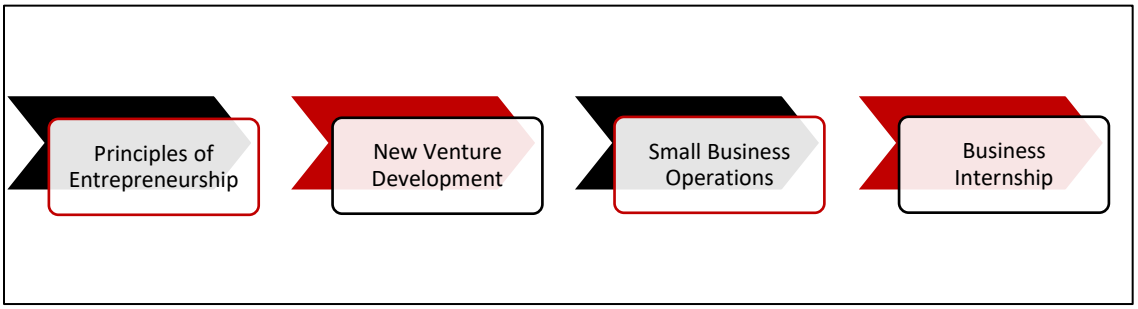
BUSINESS INTERNSHIP **(IDOE#: 5974)** **S** **12**

Prerequisite: Students must complete the Entrepreneurship Sequence below. Principles of Entrepreneurship and New Venture Development must be completed prior to requesting the internship opportunity. Students can concurrently enroll in Small Business Operations. An application is required. Placement will be determined by a committee. Students must average a "C" or higher in required coursework. Students will also be reviewed for attendance and discipline.

Federal funding requires the disclosure of student social security number to enroll in this class.

This course offers Munster students a unique opportunity to intern with local businesses in fields related to their interests. Students need to provide their own transportation. Students should declare their interest early in their high school careers so counselors can ensure that the proper coursework has been completed. This multi-period class schedules in a block, ether at the beginning or end of the school day. *Students violating school rules or expectations will be removed from internships. Intern applicants will be reviewed for grades, course work, attendance and discipline records. If interest exceeds availability, the most qualified students will be selected.* Internships can be cancelled due to unforeseen circumstances.

Entrepreneurship Sequence



FAMILY AND CONSUMER SCIENCE

PREPARATION FOR COLLEGE AND CAREERS ***(Required)*** **(IDOE#: 5394)** **S** **10**

Note: Most students take during sophomore year. Fulfills the financial literacy requirement for students.

****Federal funding requires the disclosure of student social security number to enroll in this class.***

This class addresses the knowledge, skills, and behaviors students need to live successfully. Topics include: higher-order thinking skills, communication, leadership, and management processes; exploration of personal aptitudes, interests, values, and goals; career exploration and planning; roles and responsibilities as an individual and as family members; building employment skills and transferring academic skills to one's life work.

PRINCIPLES OF HUMAN SERVICES **(IDOE#: 7176)** **Y** **9, 10, 11, 12**

Course 1 in the Human and Social Services Pathway

****Federal funding requires the disclosure of student social security number to enroll***

Principles of Human Services explores the history of human services, career opportunities. This course will also encourage cultural awareness and appreciation of diversity. Focuses on cultural variations in attitudes, values, language, gestures, and customs. Includes information about major racial and ethnic groups in the United States.

FUNDAMENTALS OF HUMAN SERVICES **(IDOE#: 7276)** **Y** **10, 11, 12**

This is the 2nd course in the HUMAN SERVICES PATHWAY.

****Federal funding requires the disclosure of student social security number to enroll***

Fundamentals of Human Services examines key elements of effective delivery of human services. Topics of discussion include personal values, helping relationships, the impact of diversity, theories of helping, communication, problem-solving processes, crisis situations, abuse, and professional ethics. This course also provides training for identifying characteristics of a crisis and basic crisis intervention skills. Students will evaluate their own personal strengths and limitations and discuss the importance of professional development for the human and services social worker.

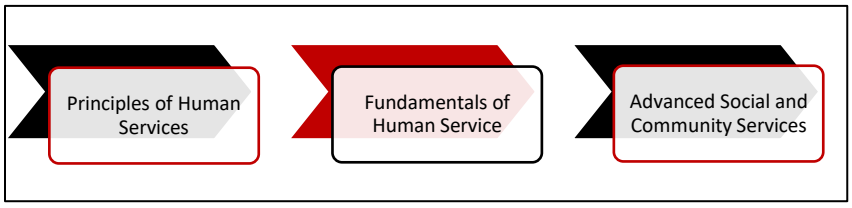
ADVANCED SOCIAL AND COMMUNITY SERVICES **(IDOE#: 7278)** **Y** **10, 11, 12**

This is the 3rd course in the HUMAN SERVICES PATHWAY.

****Federal funding requires the disclosure of student social security number to enroll***

Community Health Worker explores care coordination, case management, coaching, cultural competencies, Human Service Code of Ethics, professional development, and employment opportunities for community health workers and case managers. It also examines background knowledge of the field of intellectual and developmental disabilities and issues pertaining to community social services. It presents practical and useful information regarding service availability and community resources for individuals and families living with disabilities.

Human Services Pathway



INTRODUCTION TO CULINARY ARTS AND HOSPITALITY 1 **(IDOE#: 5438)** **S** **10, 11, 12**

****Federal funding requires the disclosure of student social security number to enroll in this class.***

This course focuses on nutrition and food preparation. Topics covered in the first grading period include the food & kitchen safety, foodservice equipment, tools, understanding recipes and nutrition. During the remainder of the semester, students will cook over 20 times. Cooking labs include a variety of recipes from all the food groups. These may vary on season and product availability. The course ends with group cooking presentations from around the world. **(Not a fine arts class.)**

INTRODUCTION TO CULINARY ARTS AND HOSPITALITY 2 **(IDOE#: 5438)** **S** **10, 11, 12**

Prerequisite: "C-" in Introduction to Culinary Arts and Hospitality 1

****Federal funding requires the disclosure of student social security number to enroll in this class.***

This course focuses on advanced cooking techniques and preparation. Students will work in the kitchen to hone their skills and create dishes from around the world. The course ends with a cooking competition. **(Not a fine arts class.)**

FINE ARTS: MUSIC, THEATRE, VISUAL ARTS

APPLIED MUSIC LAB **(IDOE# 4200)** **S** **9, 10, 11, 12**

Prerequisite: Must be enrolled in Band, Orchestra, or Choir

Course is run based on requests and seats. Students can repeat the course based on availability.

To enroll, students must be concurrently enrolled in band, choir, or orchestra. It offers students the opportunity to receive small group or private instruction designed to develop and refine performance skills. A variety of music methods and repertoire are utilized to refine students' abilities in performing, creating, and responding to music. There is a potential full-group performance (i.e. chamber works, quintets, small percussion ensemble, madrigal group, or SATB Choir and chamber orchestra) and will be tailored to the level and type of musicians in this class. This course will also provide more instructional time for ISSMA Sole and Ensemble or for All-State Band, Orchestra, and Choir. ***Counts as a Fine Arts Credit**

MUSIC THEORY AND COMPOSITION **(IDOE#: 4208)** **S** **9, 10, 11, 12**

Course is run based on requests and seats.

All high school students are eligible to enroll in Music Theory. This course is based on Indiana Academic Standards for Music. Students develop skills in the analysis of music and theoretical concepts. Students develop ear training and dictation skills and compose works that illustrate mastered concepts. Students will analyze harmonic structures as well as modes and scales. They will study a wide variety of musical styles as well as traditional and nontraditional music notation. Students will facilitate sound sources as tools for musical composition while receiving detailed instruction in the other basic elements of music. ***Counts as a Fine Arts Credit**

PIANO AND ELECTRONIC KEYBOARD **(IDOE#: 4204)** **S** **9, 10, 11, 12**

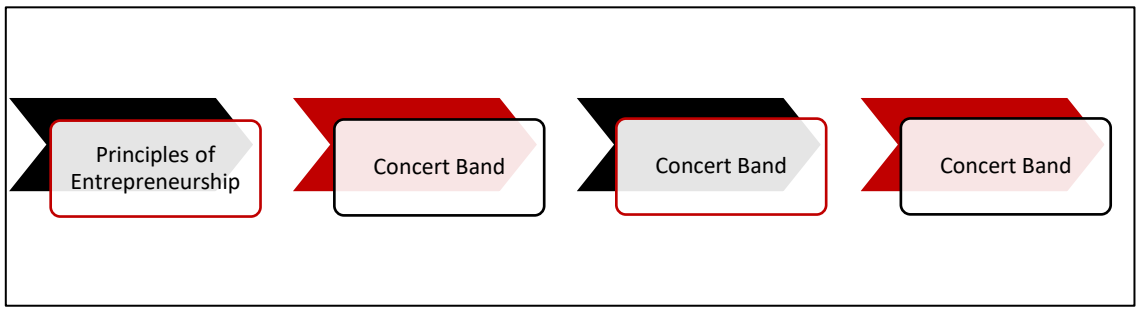
This course is a semester-long study of piano and keyboard performance. Students will learn how to read music, all major scales, minor scales, chords, and inversions, and over two dozen piano solos. In addition, students will learn basic music notation and terminology. No music experience is necessary, but students who have had piano experience will be placed (solo-wise) at their level of experience. ***Counts as a Fine Arts Credit**

CONCERT BAND **(IDOE#: 4170)** **Y** **9, 10, 11, 12**

The two concert bands at MHS are the Wind Ensemble and the Symphonic Band. Placement in these two bands will be by an audition held during the spring semester of the previous academic year. These bands are designed to help prepare students with skills necessary to participate in a professional performance ensemble. Literature is geared to the members' abilities with emphasis being placed on improvement of tone quality, reading skills and technical proficiency. These bands perform for school and community events throughout the year and will participate in the ISSMA Concert and Sight-Reading Contest. Attendance at scheduled rehearsals and performances is required and is considered part of student grades. During the first semester, students will have the option to participate in the Marching Mustangs. Rehearsals will be after school hours. The marching band performs at community events such as ISMAA sanctioned events, parades, pep rallies, football games. District, Regional, Semi-State and State.

***Counts as a Fine Arts Credit**

Music Pathway: Band



BEGINNING CHORUS **(IDOE#: 4182)** **Y** **9, 10, 11, 12**

Note: The course will be broken into classes by voice if course numbers are sufficient.

This ensemble is a beginning-level choral group intended for students who have not sung in a choir in high school. This course will teach the basics of music theory, sight-singing, rehearsal procedure, pitch, and tone production. Choral literature that is at a Group II, III, or IV state level will be sung. Students taking this course are required to perform at four evening concerts, as well as ISSMA Large Group Contest in April. ***Counts as a Fine Arts Credit**

INTERMEDIATE CHORUS **(IDOE#: 4186)** **Y** **9, 10, 11, 12**

Prerequisite: 2 Semesters of High School Choir or Director Recommendation.

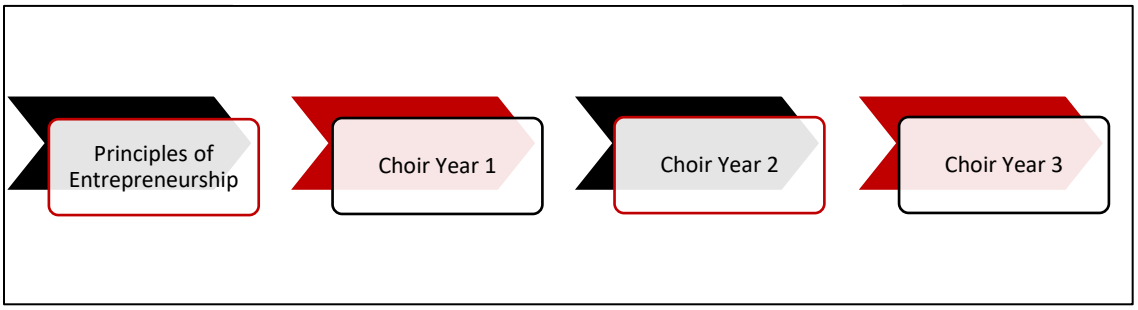
This intermediate-level, mixed (SATB) choir continues to refine tone production and pitch, learn mid-level music theory and sight singing, and sing music of the Group I, II or III state level. Students taking this course are required to perform at four evening concerts as well as ISSMA Large Group or State Qualification Contest in April. ***Counts as a Fine Arts Credit**

CHORUS (CONCERT CHOIR) **(IDOE#: 4188)** **Y** **9, 10, 11, 12**

Prerequisite: Audition and Director Recommendation; previous experience in high school choir.

Chorale is the top choral ensemble at Munster High School. This advanced-level, mixed (SATB) choir focuses on challenging choral literature, high-level music theory and sight-singing, and high-caliber performances. Singers should have control and mastery over pitch, tone production, and other vocal techniques. Students are required to perform at five evening concerts, ISSMA State Qualification in April, ISSMA State Finals in May (if a spot is earned), and Commencement in June. In addition, Chorale sings for several community and sporting events throughout the year. ***Counts as a Fine Arts Credit**

Music Pathway: Choir



INTERMEDIATE ORCHESTRA (PHILHARMONIC) **(IDOE#: 4174)** **Y** **9, 10, 11, 12**

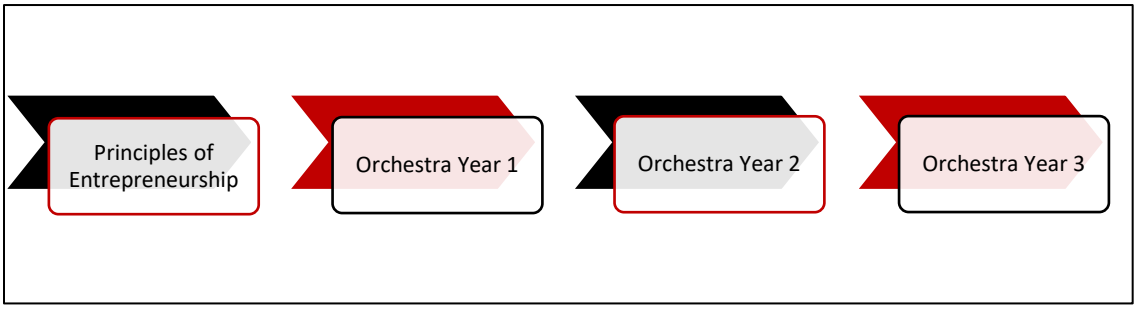
Philharmonic Orchestra is an intermediate level course open to any students who play an orchestral string instrument (violin, viola, cello, bass, or harp). The class meets daily for instruction in string performance techniques, music theory, music history, and high school level orchestral repertoire. In this course students will be developing string performance techniques such as harmonics, shifting, and vibrato. Students will also be reviewing previously learned techniques. Solo and chamber work is studied in addition to meeting with the full ensemble. The MHS Philharmonic Orchestra competes in the ISSMA String Organizational Contest in April playing Group III, II, and I level music. Students taking this course are required to perform at Group ISSMA Contest and evening concerts. At the end of each year, students could audition for Symphony Orchestra. ***Counts as a Fine Arts Credit**

ORCHESTRA (SYMPHONY) **(IDOE#: 4174)** **Y** **9, 10, 11, 12**

Prerequisite: Audition and 4 Semesters Previous String Playing Experience, or Director Recommendation.

Symphony Orchestra is an advanced level orchestra course open to students who audition into the group on a string orchestral instrument. These auditions are based on music performed in contest the previous year and are conducted in March. The class meets daily for instruction in string performance techniques, music theory, music history, and exposure to professional orchestral repertoire. Students in this group should be able to perform 3 octave major scales, 2 octave minor scales, shifting up to seventh position, and advanced articulation techniques. Solo and chamber work is studied in addition to meeting with the full ensemble. The MHS Symphony Orchestra competes in the ISSMA Full Orchestra Organizational in April playing Group I level music. There is the opportunity to compete at State ISSMA Organizational. Students taking this course are required to perform at Group ISSMA Contest, evening concerts, and once weekly full orchestra rehearsal after school. ***Counts as a Fine Arts Credit**

Music Pathway: Orchestra



THEATER ARTS **(IDOE#: 4242)** **S** **9, 10, 11, 12**

This class introduces the student to theater as a performance art. Instruction begins with a general overview of the total theater, including historical background, the physical stage, styles of presentation, and the many components of a typical production. Students are encouraged to pursue creativity and control in a wide variety of acting experiences including theater games, improvisation, mime, movement, voice, and both solo and group performances. Cooperative projects and constructive criticism, both oral and written, are key elements in building the student's craft. Students will also evaluate presentations and, whenever possible, see and evaluate professional performances. A final exam project will be presented before an audience. The primary goals of this course are to develop each student's individual skills and talents and broaden their knowledge of theatrical performance. ***Counts as a Fine Arts Credit**

ADVANCED THEATRE ARTS **(IDOE#: 4240)** **S** **10, 11, 12**

New for 2027-2028

Students are required to complete one semester of Theatre Arts

Advanced Theatre Arts is for students who have successfully completed Theatre Arts. The course builds on the foundations laid in Theatre Arts. In this class, students read plays and learn how to develop a repertoire of monologues for audition purposes. They will also prepare at least one piece that aligns with the International Thespian Excellence Awards Program. They will also develop their skills as a director. They will also explore career opportunities using the skills learned in theatre.

TECHNICAL THEATER **(IDOE#: 4244)** **S** **9, 10, 11, 12**

This class introduces the technical aspects of theater arts. Included are demonstrations, class work, and student projects. By combining research of techniques with hands-on experience, course content focuses on the specific arts and crafts of scenery, props, lighting, sound, costuming, and makeup. Student aptitudes and abilities are discovered and developed through cooperative activities and individual projects. As much as possible, practical experience on MHS productions will be included. This is a class for students who can work independently. Students should be aware that learning to work with power tools, texture with latex-based paints, and apply stage make-up are required components of the class. Critiques on technical areas of actual productions are also expected. Whenever feasible, a professional performance is seen and evaluated.
***Counts as a Fine Arts Credit**

ADVANCED TECHNICAL THEATRE **(IDOE#: 4252)** **S** **10, 11, 12**

New for 2027-2028

Students are required to complete one semester of Technical Theatre.

Advanced Technical Theatre is for students who have successfully completed Technical Theatre. The course builds on the foundations laid in Technical Theatre. In this class students learn about the design process and creating a portfolio of work in one or more areas of technical theatre. Students also lead on design projects for WWTC and MTC shows, as well as prepare at least one piece that aligns with the International Thespian Excellence Awards program. They will also explore career opportunities using the skills learned in theatre.

INTRODUCTION TO 2D ART **(IDOE#: 4000)** **S** **9, 10, 11, 12**

This studio art class is a foundations course dealing with the elements and principles of design, the historical and cultural influences of art, as well as production. Studio experiences may include work in pencils, markers, pens, acrylic, watercolor, printmaking, design, and collage. Students are introduced to a variety of techniques while stressing original composition. Some group work is incorporated in addition to independent work. Students also learn to critique and discuss art using art terminology to describe, analyze, and interpret works. Developing a Visual Journal (aka sketchbook) is an integral part of this course and the development, experimentation, and documentation of the artistic process. Students will learn to digitally document their work as presentations via Power Point or Google Slides. This course is a prerequisite for 2D Art 2, Drawing, Painting I, Painting II, Painting III, and AP Studio Art classes. ***Counts as a Fine Arts Credit**

DRAWING **(IDOE#: 4060)** **S** **9, 10, 11, 12**

Prerequisite: Intro to 2D

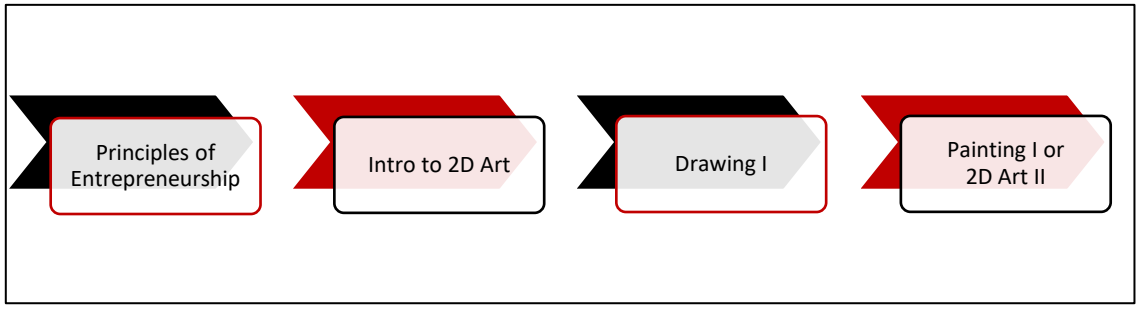
Drawing is a level 2, semester-long course, designed for the student with the Intro prerequisite and a love of drawing! Students explore a variety of media while attending to quality, technique, and expression. The majority of the works are in "dry media," however, inks, oil pastels, acrylic, and watercolor may also be explored. Discovery of the traditional, more formal realistic (representational), abstract, non-objective, expressionistic and stylized formats will be examined. Students begin to experience the various Philosophies of Art by becoming a Designer, an Expressionist, a Formalist, and an Instrumentalist. Projects may include a Lyrical Interpretation (The Song Project), pieces on social awareness (The Cause Project), Logo Design, and tonal drawings in charcoal. Assignments range from warm-up exercises to slower paced, longer-range drawings and mixed media works. Weekly sketches and critiques are continued. This course is a prerequisite for 2D Art 2, Drawing, Painting I, Painting II, Painting III, and AP Studio Art classes.
***Counts as a Fine Arts Credit**

2D ART 2 **(IDOE#: 4004)** **S** **10, 11, 12**

Prerequisites: Intro to 2D & Drawing

This semester course is an in-depth investigation of two- dimensional design challenges. Students will touch on Fashion Design, Interior Design, Web Design, and an area of student choice. Students will research artists. Works emphasize personal expression, mastery of techniques and understanding of the appropriate use of two-dimensional design concepts. These are presented in a digital portfolio. An hour of outside sketchbook work plus individual and group critiques are required. Time management and exhibition/competition involvement are critical. Museum and gallery visits are required. These can be done in-person or virtually. ***This class is strongly encouraged for students who wish to pursue the AP Studio class.*** ***Counts as a Fine Arts Credit**

Art Pathway: 2D Art



PAINTING I **(IDOE#: 4064)** **S** **10, 11, 12**

Prerequisite: Intro to 2D and Drawing

Students explore a variety of "wet media" while attending to technique, quality, and expression. Students will investigate art's role in society through experimentation and discovery. Current projects include contemporary methods of acrylic painting, watercolor interpretations of original photography, portraits in oil, and mixed media painting. Students will continue presentations via digital portfolios, including photo-editing and manipulation. Independent works may be pursued, time-permitting. Written reflections on the works and group critiques are required. Museum and gallery visits are required. These can be done in-person or virtually. Sketchbook assignments continue. After this course, students are advised to take Painting II, 2D Art 2, and one additional art class to enter AP Studio Art. ***Counts as a Fine Arts Credit**

PAINTING II **(IDOE#: 4064)** **S** **10, 11, 12**

Prerequisite: "C-" in Painting I

Students begin with the Artist Influence Series, researching artists from distinct periods of art history and then create original works influenced by those artists. Student works must reflect the historical, political, or social context of the originals and be presented, along with a 2nd series of independent pieces using mixed media, as a comprehensive final exam. There needs to be a solid link or logical progression to the works. Research will be conducted on each artist. The final exam presentation will include these works and supporting research and evidence within a digital format. The series must develop via the exploration of watercolor, acrylic and oil. Students will also learn how to stretch and prepare a canvas. Discussion, theories, project, portfolio development, competitive displays and presentations of works are stressed in this class. Critiques continue in written form at this point, and weekly sketchbook assignments increase under self-directed themes. Time management is critical, and an exhibition component is required. Museum and gallery visits are required. These can be done in-person or virtually. *This class is strongly encouraged for students who wish to pursue the AP Studio class.* ***Counts as a Fine Arts Credit**

PAINTING III **(IDOE#: 4064)** **S** **11, 12**

Prerequisite: "C-" in Painting II

This is a semester course designed to develop a series of five "Quality Selected Works" for the AP Studio Art Portfolio; support via student-led group critiques, as well as written reflections reviewed by the instructor. Students will digitally document their works, engage in advanced photo editing, and presentation of portfolio pieces. Curriculum resources include both locally developed and AP visual and written student course materials. ***Counts as a Fine Arts Credit**

CERAMICS I **(IDOE#: 4040)** **S** **9, 10, 11, 12**

Ceramics I introduces the vocabulary, general knowledge, and basic skills of clay construction and glazing techniques. Students learn the fundamentals of pinch, coil, and slab hand-building techniques by working with pottery. ***Counts as a Fine Arts Credit**

CERAMICS II **(IDOE#: 4040)** **S** **9, 10, 11, 12**

Prerequisite: "C-" in Ceramics I.

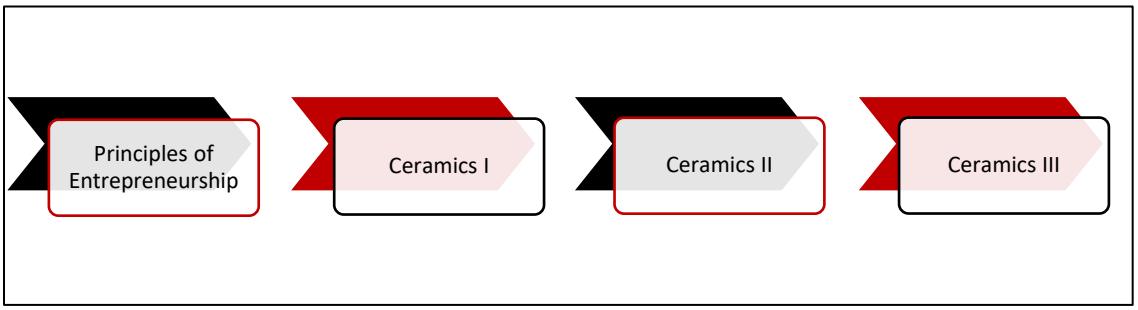
This course introduces students to the potter's wheel as they continue to perfect their hand-building techniques. Emphasis is placed on form, design, and craftsmanship which require advanced technical skills. ***Counts as a Fine Arts Credit**

CERAMICS III **(IDOE#: 4040)** **S** **10, 11, 12**

Prerequisite: C or higher in Ceramics 2

Ceramics 3 advances the progression of developing knowledge and skill in working with clay and the art of ceramics. Students must be self-starters and capable of working independently. This course emphasizes developing skills on the potter's wheel with a marked concentration of time. Developing greater knowledge of hand building skills through more challenging assignments is also emphasized.

Art Pathway: Ceramics



AP STUDIO ART **(IDOE#: 4050)** **Y** **12**

Recommended Prerequisites: Intro to 2D Art, Drawing, Painting, 2D Art 2, and two courses approved by the instructor.

This Advanced Placement course is for students who have completed 6 credits in art and who are looking to complete a 2D Design, Drawing, or 3D Design Portfolio. Customized paths are created to address the portfolio needs of the artist. Most students will choose additional Painting courses for their Drawing or 2D Design portfolio work. Students interested in completing a 3D Design Portfolio must completed 4 semesters of Ceramics as well as Intro to 2D Art and Drawing. Students will create portfolios reflecting a sustained investigation. The instructor will offer feedback and guidance on photo quality, the arrangement of works, and written reflections. The AP Portfolio requires 15 digitally documented works. Students are also required to provide five quality works of art for the College Board National Committee to assess. This is a yearlong course, and the AP submission is due digitally in May. After AP review, students may receive college credit with a score of 3 or better. This course requires students to commit time outside of class that includes at least 2.5 hours of weekly drawing as well as the hours needed to complete the AP portfolio. Written critiques are required. Museum and gallery visits are required. These can be done in-person or virtually. ***This is a weighted course.*** Course offered based on requests. ***Counts as two Fine Arts Credits.**

PHOTOGRAPHY **(IDOE#: 4062)** **S** **9, 10, 11, 12**

Taking this course is a pre-requisite for newspaper and yearbook.

This course teaches the fundamentals of photography through the use of digital cameras, film cameras, and cell phone cameras. From handling the camera to understanding lighting and field depth, students will learn what it means to craft images with excellent composition. The first part of the semester includes studies of photography as an art, with time dedicated to the dark room after making images with 35 mm film cameras (provided for student use). The second nine weeks focuses on photojournalism and capturing life as it happens, with an emphasis on reporting, design, and Photoshop. Students will be provided with DSLR cameras to use in class. Students may also bring their own DSLR cameras. ***Class size is limited.***
***Counts as a Fine Arts Credit**

WORLD LANGUAGES

MANDARIN CHINESE **(IDOE#: 2000, 2002, 2004, 2006)** **Y** **9, 10, 11, 12**

Mandarin Chinese is offered through two online programs: **Proximity Learning** and **Indiana Online**. Students are responsible for completing the work outside of school as well as costs associated with the course. Fees are determined by the providers, and families pay directly for enrollment. Credits are accepted by Munster High School and will appear on student's transcript.

AMERICAN SIGN LANGUAGE I **(IDOE#: 2156)** **Y** **10, 11**

Must maintain "C-" in semester 1 to remain in the course.

ASL I focuses on the basic vocabulary, structure, and the grammar of receptive and expressive communication, glossing, vocabulary, finger spelling, Deaf culture, history, and the pathological and psychological definitions of deafness. ***NCAA-Approved Course***

AMERICAN SIGN LANGUAGE II **(IDOE#: 2158)** **Y** **10, 11, 12**

Perquisite: "C-" each semester in ASL I. Must maintain "C-" in semester 1 to remain in the course.

Dual Credit: Purdue University Northwest (ASL 101) (3 credits) (Projected $315 cost to families)

ASL II studies advanced structure and grammatical skills used in receptive and expressive communication, story-telling, poetry, glossing of original texts, Deaf culture, history, and the pathological and psychological definitions of deafness. Students are required to interact in the Deaf community.
NCAA-Approved Course

AMERICAN SIGN LANGUAGE III **(IDOE#: 2162)** **Y** **11, 12**

Perquisite: "C-" each semester in ASL II. Must maintain "C-" in semester 1 to remain in the course.

Dual Credit: Purdue University Northwest (ASL 102) (3 credits) (Projected $315 cost to families)

American Sign Language III is a continuation of American Sign Language I and II expanding the emphasis of ASL grammar, vocabulary development, conversational skills, and Deaf Culture. Students will enhance both expressive and receptive skills involving various classifiers, narratives, dialogue, conversations, and describing general surroundings and incidents. Students will learn how to express more abstract concepts in ASL and understand conversational behaviors and various customs and aspects involved in Deaf Culture, including Audism. Students are required to interact with the Deaf Community. ***Pending NCAA Approval.*** ***While the course is now approved for dual credit, it is not part of the Indiana College Core Certificate.***

FRENCH III **(IDOE#: 2024)** **Y** **10, 11, 12**

Perquisite: "C-" in each semester in French II. Must maintain "C-" in semester 1 to remain in the course.

French III builds upon previously learned language skills through continued development of reading, writing, speaking, and listening proficiency. Students expand their vocabulary, strengthen grammar skills, and explore French-speaking cultures. This course is being phased out of the traditional course offerings and is currently available exclusively through the online learning platform, Indiana Online. ***NCAA-Approved Course***

SPANISH I **(IDOE#: 2120)** **Y** **9, 10, 11, 12**

Must maintain "C-" in semester 1 to remain in the course.

The curriculum is designed to: provide basic knowledge of introductory grammar and its usage, both oral and written; develop conversational abilities; elicit correct Spanish pronunciation by studying the Spanish phonetic system; develop elementary composition skills; and provide insights into many aspects of Central, Latin American, Spanish, and Hispanic American cultures. **Students with formal training in Spanish who wish to skip Spanish I and test into Spanish II should contact their counselors. This testing is done at the end of the school year or over the summer.** ***NCAA-Approved Course***

SPANISH II **(IDOE#: 2122)** **Y** **9, 10, 11, 12**

Perquisite: "C-" in each semester in Spanish I. Must maintain "C-" in semester 1 to remain in the course.

Spanish II continues to develop the basic language skills learned in Spanish I. Students are expected to master vocabulary used in everyday situations. Advanced grammatical structures and new vocabulary are introduced to help students develop their conversational skills. The course emphasizes original thinking in the language. Cultural differences and similarities will also be studied. ***NCAA-Approved Course***

SPANISH III **(IDOE#: 2124)** **Y** **10, 11, 12**

Perquisite: "C-" in Spanish II. Must maintain "C-" in semester 1 to remain in the course.

Dual Credit Option: Ivy Tech (SPAN 101 & 102) (8 credits)

The mastery of advanced grammar and vocabulary is emphasized as students become more proficient in listening, speaking, reading, and writing. Selections from Spanish and Latin American literature are studied. Students participate in cultural activities designed to increase awareness and understanding of Hispanic culture. ***NCAA-Approved Course***

ADVANCED SPANISH IV **(IDOE#: 2126)** **Y** **11, 12**

Perquisite: "B-" in Spanish III. Must maintain "C-" in semester 1 to remain in the course.

Dual Credit Option: Ivy Tech (SPAN 201 & 202) (6 credits)

This course is conducted almost entirely in Spanish. It intensively reviews previously mastered grammar and introduces extensive new vocabulary and literature. Reading, writing, and listening skills are stressed. This course provides the groundwork for AP Spanish V and may be suitable for students whose native language is Spanish. ***This is a weighted course.*** ***NCAA-Approved Course***

AP SPANISH V **(IDOE#: 2132)** **Y** **12**

Recommended: "B-" in Spanish IV. Must maintain "C-" in semester 1 to remain in the course.

A literature and composition class conducted in Spanish. The reading selections represent a variety of literary genres: short story, poetry, and non-fiction (journalism, editorials, and essays). Students are expected to discuss these works orally and in writing. Vocabulary and advanced grammar are covered to help students prepare for the AP Spanish exam and college placement exams. ***This is a weighted course.*** ***NCAA-Approved Course***

LANGUAGE ARTS

ENGLISH 9 (Required) **(IDOE#: 1002)** **Y** **9**

English 9 is a college- and career-readiness course based on the Indiana Academic Standards of reading, writing, and language study. Students read novels, essays, speeches, bio- and autobiographical writing, short stories, drama, and poetry. Large literature pieces include *I Am Malala*, *Tragedy of Romeo and Juliet*, *To Kill a Mockingbird*, and excerpts from *The Odyssey*. Writing instruction centers on improving student mastery of the Six +1 Traits of Writing (Idea Development, Organization, Voice, Sentence Fluency, Word Choice, Conventions, and Presentation). Finally, language skills, such as vocabulary and grammar study, are addressed both in isolation and in conjunction with reading and writing activities. Although the course is organized in contextual units, all aspects of English study are integrated, particularly speaking and writing units, with the reading material. Finally, English 9 fosters the reading and writing skills that students will need for the PSAT/SAT. English 9 meets the graduation requirement for all Indiana Diploma Seals. ***NCAA-Approved Course.***

PRE-AP ENGLISH 9 **(IDOE#: 1002)** **Y** **9**

This course will utilize curriculum and materials provided by College Board. Students should plan to take AP Seminar: English 10 and then AP English in 11th and 12th grade.

Recommended Prerequisite: Students testing nationally at the 75th-percentile or higher should consider enrolling in this course.

Pre-AP English 9 is a pre-AP, college- and career-readiness course based on the Indiana Academic Standards of reading, writing, and language study. Students read novels, essays, speeches, bio- and autobiographical writing, short stories, drama, and poetry. Writing instruction centers of improving students' mastery of the 6 +1 Traits of Writing. The composition program is structured, creative, and interpretative and built into the literature units. Language skills, such as vocabulary and grammar study, are addressed both in isolation and in conjunction with reading and writing activities. Formal grammar instruction stresses all areas of language study: syntax, mechanics, usage, and agreement. The course is organized in contextual units; all aspects of English study are integrated, particularly speaking and writing units, with the reading material. Pre-AP English 9 meets the graduation requirement for the Core 40 Diploma. ***This is a weighted course. NCAA-Approved Course.***

AP SEMINAR ENGLISH 10 **(IDOE#: 0552)** **Y** **10**

This course will utilize curriculum and materials provided by College Board. Students should plan to take AP English in 11th and 12th grade.

Recommended Prerequisite: Students testing nationally at the 75th percentile or higher should consider enrolling in this course.

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational literary and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in research-based written essays, and design and deliver oral and visual presentations, both individually and as part of a team. The course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. ***This is a weighted course.***

ENGLISH 10 (Required) **(IDOE#: 1004)** **Y** **10**

English 10 is a college- and career-readiness course based on the Indiana Academic Standards of reading, writing, and language study. Students read novels, short stories, drama, nonfiction selections, and poetry. Writing instruction centers on improving student mastery of the 6 +1 Traits of Writing (Idea Development, Organization, Voice, Sentence Fluency, Word Choice, Conventions, and Presentation). Finally, language skills, such as vocabulary and grammar study, are addressed in isolation and in conjunction with reading and writing activities. Although the course is organized in contextual units, all aspects of English study are integrated, particularly speaking and writing units, with the reading material. Finally, the curriculum for English 10 serves to prepare students for the SAT School Day in 11th grade. English 10 meets the graduation requirement for the Core 40 Diploma.

NCAA-Approved Course.

ENGLISH 10-i **(IDOE#: 1004)** **Y** **10**

Placement based on 9th grade English PSAT scores and teacher recommendation.

English 10i is a college- and career-readiness course based on the Indiana Academic Standards of reading, writing, and language study. Students read novels, short stories, drama, nonfiction selections, and poetry. Writing instruction centers on improving student mastery of the 6 +1 Traits. Language skills, such as vocabulary and grammar study, are addressed in isolation and in conjunction with reading and writing activities. Although the course is organized in contextual units, all aspects of English study are integrated, particularly speaking and writing units, with the reading material. The curriculum for English 10i serves to prepare students for the SAT School Day in 11th grade. In addition to the course, English 10i will run with an attached lab class to focus on individual needs in a smaller group setting. Students will use a program called Reading Plus that transforms how, what, and why students read. It is the only Indiana Academic Standards-aligned reading intervention that prepares students to engage with complex texts by developing all three dimensions of successful readers--capacity, efficiency, and motivation. English 10-i meets the graduation requirement for the Core 40 Diploma. ***NCAA-Approved Course.***

ENGLISH 10 LAB **(IDOE#: 1010)** **Y** **10**

The English 10 Enrichment course is taught concurrently with English 10i. Students taking English 10i are automatically enrolled in the enrichment class, which creates a two-period block for English at the sophomore level. There is no separate curriculum for this course; instead, students deepen their understanding and application of skills learned in English 10i.

ENGLISH 11 (Required) **(IDOE#: 1006)** **Y** **11**

Dual Credit: Ivy Tech (ENGL 111) (3 credits)

English 11 is a college- and career-readiness course based on the Indiana Academic Standards of reading, writing, and language study. Representing all American literary periods, the reading selections include short fiction, essays, speeches, poetry, novels, and drama. Course readings not only seek to facilitate growth in critical reading, but they also serve to promote literacy of American culture and history. In addition to reading skills, improvement in writing skills becomes a key component to English 11. Continuing with the 6 +1 Traits of Writing, students focus on research methods, citation via the Modern Language Association (MLA), and argumentation structure. These skills culminate into a research paper in the second semester. Finally, language skills, such as vocabulary and mechanics, are addressed both in isolation and in conjunction with reading and writing activities. English 11 meets the graduation requirement for the Core 40 Diploma. ***(Students must take this for dual credit if they wish to take AP Econ, Senior Composition, World Literature, and/or Creative Writing for dual credit senior year.)*** ***NCAA-Approved Course***

AP ENGLISH LANGUAGE & COMPOSITION **(IDOE#: 1056)** **Y** **11**

Recommended Prerequisite: "B-" in AP Seminar English 10 or "A-" in English 10.

Dual Credit: Purdue University Northwest (ENG 104) (3 credits) (Projected $75 cost to families)

This rigorous college-level class is intended for the serious, accelerated student. This course emphasizes elements of effective writing, especially persuasion, by evaluating a variety of texts, including essays, biographies, literary criticism, autobiographies, journals, and news articles. This course focuses on identifying and discussing the art of rhetoric; students learn to manipulate language for rhetorical effect. Students are expected to write essays in various rhetorical modes and use technology to research and prepare papers. They are also required to participate in class discussions and make class presentations. Students will learn the skills required to successfully complete the objective reading questions and three analytic essays on the AP English Language and Composition exam in the spring. ***This is a weighted course.*** ***NCAA-Approved Course***

COMPOSITION **(IDOE#: 1090)** **S** **12**

Required for Senior Year

Dual Credit: Ivy Tech (ENGL 215) (3 credits).

Must complete English 11 (ENGL 111) through Ivy Tech to qualify for ENGL 215).

This class requires students to complete a variety of writing tasks. Emphasis is placed on mastery of the Six +1 Traits of Writing (Idea Development, Organization, Voice, Word Choice, Sentence Fluency, Conventions, and Presentation). In addition, students learn to skillfully use data and detail, eliminate mechanical and grammatical errors, and create a cohesive composition. Several assignments require the use of research and documentation. Finally, vocabulary instruction occurs in both isolation and integrated with writing activities. Composition concentrates on logical thinking and polished writing style. ***Must complete ENGLISH 11 (ENGL 111) through Ivy Tech or AP ENGLISH LANG-COMP (ENG 104) through Purdue Northwest for dual credit.*** ***NCAA-Approved Course***

AP ENGLISH LITERATURE AND COMPOSITION **(IDOE#: 1058)** **Y** **12**

Recommended Prerequisite: "B-" in AP English Lang-Comp or "A-" in English 11.

Dual Credit: Purdue University Northwest (ENG 231) (3 credits) (Projected $75 cost to families)

This rigorous, college-level course is intended for the serious, accelerated student. Through careful reading, critical analysis of a cross-section of British, American, and world literature, and extensive writing, students will deepen their understanding of how writers use language to provide meaning and pleasure. Students read novels, poetry, short stories, and plays from a wide range of time periods and cultures. In addition, students write extensively in both informal and formal settings. Students will learn the skills required to successfully complete the objective reading questions and three analytic essays on the AP English Literature and Composition exam in the spring. ***Must complete ENGLISH 11 (ENGL 111) through Ivy Tech or AP ENGLISH LANG-COMP (ENG 104) through Purdue Northwest for dual credit. This is a weighted course. NCAA-Approved Course***

WORLD LITERATURE **(IDOE#: 1124)** **S** **12**

Required for Senior Year

Dual Credit: Ivy Tech (ENGL 206) (3 credits).

Must complete English 11 (ENGL 111) through Ivy Tech to qualify for ENGL 206.

World Literature is a college- and career-readiness course based on the Indiana Academic Standards of reading literature and informational text. Students analyze a variety of literary genres covering an expanse of time from early Mesopotamia to the present. The approach is chronological, starting with ancient Mesopotamia and moving on to Ancient Greece, the Middle Ages, the 19th century and finally to the modern era. Course readings not only seek to facilitate growth in critical reading, but they also serve to promote literacy of culture and history. A semester course, World Literature meets the graduation requirement for the Core 40 Diploma. ***NCAA-Approved Course***

ADVANCED SPEECH **(IDOE#: 1078)** **S** **9, 10, 11, 12**

No prerequisite; Not weighted.

Dual Credit: Ivy Tech (COMM 101) (3 credits).

Advanced Speech is a course based on the Indiana Academic Standards for English/Language Arts and emphasizing the high school communication and collaboration standards, is the study and application of skills in listening, oral interpretation, media communications, research methods, and oral communication. Students deliver different types of oral and multi-media presentations, including speeches to inform, to motivate, to entertain, and to persuade using various delivery methods including impromptu, extemporaneous, memorized, or manuscript delivery. Students develop confidence and poise when speaking to both small and large groups by learning how to apply their knowledge of audience analysis, active listening, verbal and nonverbal communication and research to real-life situations including, but not limited to, scholarship interviews, job interviews, and networking. The study and practice of these skills develops the necessary skills to communicate effectively both inside and outside of school. ***This course can be taken one time only. NCAA-Approved Course***

CREATIVE WRITING **(IDOE#: 1092)** **S** **9, 10, 11, 12**

Prerequisite: "C-" in previous semester of English

Dual Credit: Ivy Tech (ENGL 202) (3 credits) - Senior Year Only

Must complete English 11 (ENGL 111) through Ivy Tech to qualify for ENGL 202).

Creative Writing provides an opportunity for students to write—and read--forms of writing outside the traditional English curriculum. Students will write every day, both in-class and at home, and receive criticism from one another and their instructor. Students will also read a variety of different forms and genres as inspiration for their own writing. This course utilizes a journaling system that deeds the creativity of writers. It will also focus on developing a rigorous set of criteria for literary publishing. Students work to create Munster High School's literary magazine, Pegasus, for digital publication at the end of the semester. ***Dual Credit is only available for students in senior year. Students must complete ENGL 111 (English 11) for dual credit to be eligible for ENGL 202. NCAA-Approved Course***

JOURNALISM **(IDOE#: 1080)** **S** **9, 10, 11, 12**

Journalism, a semester-long class for students who want to join the yearbook or newspaper, focuses on developing and improving writing and communication skills. Students explore media history, law and ethics (particularly First Amendment Rights). They will also practice journalistic writing and editing skills, including interviewing, news writing, sports writing, feature writing, caption writing and page editing. Upon completion of Journalism, students can join yearbook or newspaper the following semester to earn their fine arts credit. This class is required for selection to the newspaper or yearbook staff. ***NCAA-Approved Course***

STUDENT MEDIA: NEWS 1 **(IDOE#: 1086)** **Y** **(9), 10, 11, 12**

Prerequisites: Writers need Journalism and Teacher Rec. Photographers need Photography and Teacher Rec.

Students who have successfully completed Journalism will work as entry-level reporters for the newspaper staff, shadowing the more senior staffers to see how *Crier*, the school newspaper, functions. Students who have taken Photography will master photo storytelling techniques as they work on photo composition while photographing school events for the student newspaper and all its digital components. All students in News 1 will work on basic reporting, design and planning for the newspaper that prints every three weeks. This class is co-curricular and requires work time after school.

***Counts as a Fine Arts Credit**

STUDENT MEDIA: ADV NEWS 2 **(IDOE#: 1086)** **Y** **11, 12**

Prerequisites: Writers need Journalism and Teacher Rec. Photographers need Photography and Teacher Rec.

Designed as a laboratory course for the production of the student newspaper and its website, this advanced writing and editing course will stress newspaper fundamentals, trends, organization, financing, and desktop skills (using InDesign and PhotoShop). Advanced journalistic writing and editing skills are further refined through advanced interviewing and research expertise; in-depth writing with multiple sources for balance and verification; feature writing; and column and review writing. All students write a variety of stories for each issue as well as determine coverage, design, and editing. This class is co-curricular and requires work time after school. ***Counts as a Fine Arts Credit. This is a weighted course.**

STUDENT MEDIA: ADV NEWS 3 **(IDOE#: 1086)** **Y** **12**

Prerequisites: Writers need Journalism and Teacher Rec. Photographers need Photography and Teacher Rec.

Open to third-year students/editors on the newspaper staff, this course focuses on advanced writing/editing skills. Emphasis will be placed on interviewing and research, developing a writing style, writing persuasively for columns and editorials, applying legal and ethical knowledge in decision making and problem solving, copy editing, coaching writers, as well as utilizing advanced computer skills in InDesign and Photoshop to enhance design and photographic editing. This class is co-curricular and requires work time after school. ***Counts as a Fine Arts Credit. This is a weighted course.**

STUDENT MEDIA: YEARBOOK 1 **(IDOE#: 1086)** **Y** **(9), 10, 11, 12**

Prerequisites: Writers need Journalism and Teacher Rec. Photographers need Photography and Teacher Rec.

Students who have taken Journalism will work as entry-level reporters for the yearbook staff, shadowing the more senior staffers to see how Paragon, the spring-delivery school yearbook, functions. Students who have taken Photography will master photo story-telling techniques as they work on photo composition while photographing school events for the student newspaper and all its digital components. All students in Yearbook 1 will work on basic reporting, design and planning for the 200+ yearbook that prints once a year. This class is co-curricular and requires work time after school.

***Counts as a Fine Arts Credit.**

STUDENT MEDIA: ADV YEARBOOK 2 **(IDOE#: 1086)** **Y** **11, 12**

Prerequisites: Writers need Journalism and Teacher Rec. Photographers need Photography and Teacher Rec.

Designed as a laboratory course for the production of the yearbook, Paragon, this advanced writing and editing course will stress yearbook fundamentals, trends and organization, financing and computer skills using In-Design and Photoshop. Advanced journalistic writing and editing skills are further refined through advanced interviewing and research expertise, and in-depth writing with multiple sources for balance and verification. Feature writing style will be emphasized as all students write a variety of stories, along with developing design and photographic editing skills. This class is co-curricular and requires work time after school. ***Counts as a Fine Arts Credit. This is a weighted course.**

STUDENT MEDIA: ADV YEARBOOK 3 **(IDOE#: 1086)** **Y** **12**

Prerequisites: Writers need Journalism and Teacher Rec. Photographers need Photography and Teacher Rec.

Open to third-year students/editors on the yearbook staff, the course focuses on enhancing advanced writing and editing skills. Emphasis will be placed on interviewing and research expertise, finding an angle, developing a style, coaching writers, applying legal and ethical knowledge in decision making and problem solving, editing and writing, and utilizing advanced desktop computer skills (in In-Design and Photoshop) to enhance design and photographic editing. This class is co-curricular and requires work time after school. ***Counts as a Fine Arts Credit. This is a weighted course.**

MATHEMATICS

ALGEBRA I (Required) **(IDOE#: 2520)** **Y** **9**

Algebra I formalizes and extends the mathematics students learned in the middle grades. Algebra I consists of five strands: Number Systems, Expressions, and Functions; Linear Equations, Inequalities, and Functions; Systems of Equations and Inequalities; Quadratic and Exponential Equations and Functions; and Data Analysis and Statistics. These critical areas deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend. Students will also engage in methods for analyzing, solving, and using quadratic functions. The eight Process Standards for Mathematics apply throughout the course. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense problem situations. It is highly recommended that students have a Texas Instruments TI-30X IIS for this course. ***NCAA-Approved Course***

PRE-AP ALGEBRA I **(IDOE#: 2520)** **Y** **9**

This course will utilize curriculum and materials provided by College Board. Students should plan to take AP Calculus or AP Statistics.

Recommended Prerequisite: Students testing nationally at the 75th-percentile or higher should consider enrolling in this course.

The Pre-AP Algebra 1 course is designed to deepen students' understanding of linear relationships by emphasizing patterns of change, multiple representations of functions and equations, modeling real world scenarios with functions, and methods for finding and representing solutions of equations and inequalities. Rather than seeking to cover all topics traditionally included in a standard algebra textbook, this course focuses on the foundational algebraic knowledge and skills that matter most for college and career readiness. The Pre-AP Algebra 1 Course Framework highlights how to guide students to connect core ideas within and across the units of the course, promoting a coherent understanding of linear relationships. It is highly recommended that students have a Texas Instruments TI-30X IIS for this course. ***This is a weighted course. NCAA-Approved Course***

ALGEBRA I LAB **(IDOE#: 2516)** **Y** **9**

Lab is required for students placed in Algebra 1-i.

Although taken for an elective credit, this class does not count toward the Core 40 math requirement. This course supplements Algebra 1-I and uses hands-on activities, applications, and computers to promote conceptual understanding and enhance retention. Special attention is given to SAT multi-step analytical questions. It is highly recommended that students have a Texas Instruments TI-30X IIS for this course.

GEOMETRY (Required) **(IDOE#: 2532)** **Y** **9, 10, 11, 12**

Prerequisite: Passing grade in Algebra I.

Topics discussed in the first semester include definitions, postulates and theorems, symbolic logic, informal proofs, angle relationships, perpendicular and parallel lines, transformations, and congruence of triangles. Topics discussed in the second semester include quadrilaterals and other polygons, similarity, trigonometry, circles, perimeter and area, and three-dimensional solids. Special attention is given to SAT multi-step analytical questions. It is highly recommended that students have a Texas Instruments TI-30X IIS for this course**.** ***NCAA-Approved Course***

PRE-AP Geometry with Statistics **(IDOE#: 2532)** **Y** **9, 10**

This course will utilize curriculum and materials provided by College Board. Students should plan to take AP Calculus or AP Statistics.

Recommended Prerequisite: Students testing nationally at the 75th-percentile or higher should consider enrolling in this course.

The Pre-AP Geometry with Statistics course provides students with a conceptual bridge between algebra and geometry that deepens their understanding of mathematics. Rather than seeking to cover all topics traditionally included in a standard geometry or introductory statistics textbook, this course focuses on the foundational geometric and statistical knowledge and skills that matter most for college and career readiness. The Pre-AP Geometry with Statistics Course Framework highlights how to guide students to connect core ideas within and across the units of the course, promoting a coherent understanding of measurement. It is highly recommended that students have a Texas Instruments TI-30X IIS for this course. ***This is a weighted course. NCAA-Approved Course***

ALGEBRA II **(IDOE#: 2522)** **Y** **9, 10, 11, 12**

Prerequisites: Passed Geometry and "C-" in both semesters in Algebra I.

Algebra II areas of emphasis are solving equations and inequalities, graphing in two variables, factoring polynomials, radical expressions, rational expressions, logarithmic expressions, exponential expressions, and basic probability and statistics. Computational skills, deductive reasoning, and mathematical concepts developed in this course are useful in higher-level math and science courses. Special attention is given to SAT multi-step analytical questions. It is highly recommended that students have a Texas Instruments TI-30X IIS for this course. ***NCAA-Approved Course***

ALGEBRA II-i **(IDOE#: 2522)** **Y** **11, 12**

Prerequisites: Passed Algebra I and Geometry.

This course covers the same standards as Algebra II and uses hands-on activities, applications, and computers to promote conceptual understanding and enhance retention. This course counts toward the Core 40 math requirement. Algebra II areas of emphasis are solving equations and inequalities, graphing in two variables, factoring polynomials, radical expressions, rational expressions, logarithmic expressions, exponential expressions, and basic probability and statistics. Computational skills, deductive reasoning, and mathematical concepts developed in this course are useful in higher-level math and science courses. Special attention is given to SAT multi-step analytical questions. Algebra 2i and Algebra 2 both focus on grade-level Indiana Academic Standards. Priority is given to foundational skills as well as strategic thinking and reasoning. Teaching strategies and pacing are highly dependent on student needs and formative assessment data. It is highly recommended that students have a Texas Instruments TI-30X IIS for this course. ***NCAA-Approved Course***

Placement in this course is determined through the Guidance Office and based on performance in math, testing data, and teacher/counselor recommendation. Following Algebra II-I, students can enroll in Probability and Statistics and Trigonometry. Students taking this course are not eligible to enroll in Pre-Calculus.

PRE-AP ALGEBRA II **(IDOE#: 2522)** **Y** **10, 11**

This course will utilize curriculum and materials provided by College Board. Students should plan to take AP Calculus or AP Statistics.

Recommended Prerequisite: This is the third class in the Pre-AP Mathematics sequence.

The Pre-AP Algebra II course is designed to optimize student readiness for college-level mathematics classes. This course extends the conceptual understanding of and procedural fluency with functions and data analysis that students develop in their previous math courses. It offers an approach that concentrates on the mathematical content and skills that matter most for college readiness. The major units include Modeling with Functions; the Algebra of Functions; Function Families; and either Trigonometric Functions, or Matrices and their Applications. This course aims to prepare students for upper quantitative reasoning in mathematics, science, and computer science. It is recommended that students have a TI-83 or TI-84 graphing calculator for this course. ***This is a weighted course. NCAA-Approved Course***

PRE-CALCULUS: ALGEBRA & TRIGONOMETRY **(IDOE#: 2564 & 2566)** **Y** **11, 12**

Prerequisites: "B-" in both semesters in Algebra II

Dual Credit: Ivy Tech (MA 136 & 137) (6 credits)

Pre-Calculus topics include sequences and series, polynomial functions, rational and algebraic functions, logarithmic and exponential functions, vectors, conic sections, trigonometry and trigonometric functions, polar graphing, and complex numbers. Pre-Calculus emphasizes concepts and skills that must be mastered prior to enrolling in a calculus course. It is recommended that students have a TI-83 or TI-84 graphing calculator. Special attention is given to SAT multi-step analytical questions. ***NCAA-Approved Course***

HONORS PRE-CALCULUS: ALGEBRA & TRIGONOMETRY **(IDOE#: 2564 & 2566)** **Y** **11, 12**

Prerequisite: "B-" in both semesters in Pre-AP Algebra II or placement based on STM high-ability student identification process.

Dual Credit: Ivy Tech (MA 136 & 137) (6 credits)

Honors Pre-Calculus emphasizes the same reasoning skills and mathematical concepts as Pre-Calculus, but differs in the amount and depth of material covered. Special attention is given to extending concepts and proofs, including derivations of the conic sections, laws of logarithms, and trigonometric identities. Special attention is given to SAT multi-step analytical questions. It is recommended that students have a TI-83 or TI-84 graphing calculator. ***This is a weighted course. NCAA-Approved Course***

TRIGONOMETRY **(IDOE#: 2566)** **S** **11, 12**

Prerequisite: "C-" in both semesters in Algebra II or Algebra 2i.

Dual Credit: Ivy Tech (MA 137) (3 credits)

Class topics include: six trigonometric functions and their relationships on the unit circle. These relationships are then generalized to work with identities and the graph of the functions (including applications). The inverse trigonometric functions are examined and utilized in the context of solving trigonometric equations and solving triangles using SOHCAHTOA, Law of Sines, and the Law of Cosines. Other topics covered are complex numbers, polar graphing, vectors, and conic sections. A scientific calculator is recommended for use at home. It is highly recommended that students have a Texas Instruments TI-30X IIS for this course. ***NCAA-Approved Course***

PROBABILITY & STATISTICS **(IDOE#: 2546)** **S** **11, 12**

Prerequisite: Passed both semesters of Algebra II or Algebra 2i.

Probability and Statistics topics include: displaying data; frequency distribution; measures of central tendency—mean, median, mode and their characteristics; summarizing data; measures of dispersion and range; mean deviation and variance standard deviation; describing individual performances; and standard scores and norms. It is highly recommended that students have a Texas Instruments TI-30X IIS for this course. ***NCAA-Approved Course***

AP STATISTICS **(IDOE#: 2570)** **Y** **11, 12**

Recommended Prerequisite: "B-" in both semesters in Algebra II or "C-" in both semesters in Honors Algebra II.

Dual Credit: Purdue University Northwest (STAT 301) (3 credits) (Projected $316 cost to families). Students must complete Pre-Calc/Trig prior to taking AP Stats for dual credit, OR they must have an SAT Math Score of 550+ to qualify. Students can use this class as part of the Indiana College Core Certificate if they have an AP Score of 3+ or the dual credit.

This course introduces the major concepts and tools for collecting, analyzing, and drawing conclusions about data. Students will be exposed to four broad conceptual themes: exploring data, planning a study, anticipating patterns, and statistical inference. This course is equivalent to a one semester college statistics course. It is required that students have a TI-83 or TI-84 graphing calculator. The Media Center has some availability to check these out to students. **(QR Course)** ***This is a weighted course. NCAA-Approved Course***

AP CALCULUS AB **(IDOE#: 2562)** **Y** **12**

Recommended Prerequisite: "B-" in both semesters in Pre-Calculus or "C-" in both semesters in Honors Pre-Calculus.

Dual Credit: Ivy Tech (MA 211) (4 credits)

The course focuses on the three Big Ideas identified by the College Board. The course begins with the study of limits and derivatives including their applications to problem solving. The third Big Idea focuses on the integral—first using limits and later formalized using specific rules. The remainder of the course builds integration techniques and stresses applications. Excellent algebra skills, trigonometry skills, and graphing calculator mastery are essential. This course is equivalent to one semester of college calculus and provides students with the knowledge to take the AP Calculus AB exam. It is required that students have a TI-83 or TI-84 graphing calculator. The Media Center has some availability to check these out to students. **(QR Course)** ***This is a weighted course. NCAA-Approved Course***

AP CALCULUS BC **(IDOE#: 2572)** **Y** **12**

Recommended Prerequisite: "A-" in both semesters in Pre-Calculus or "B-" in both semesters in Honors Pre-Calculus.

Dual Credit: Ivy Tech (MA 211 & 212) (8 credits)

This course is equivalent to a full-year college-level calculus course in the calculus functions of a single variable. Includes all areas covered in Calculus AB plus the applications of parametric equations, polar functions, and Taylor Polynomials. Graphing calculator use is an integral part of the course. It is recommended that students have a TI-83 or TI-84 graphing calculator for use at home. The Media Center has some availability to check these out to students. The course is designed and paced to prepare students for the AP exam in May**.** (QR Course) ***This is a weighted course. NCAA-Approved Course***

PHYSICAL EDUCATION

PHYSICAL EDUCATION I (Required) **(IDOE#: 3542)** **S** **9, 10, 11, 12**

Prerequisite: School physical.

PE I emphasizes health-related fitness and the development of skills and habits necessary for a lifetime of healthy activity. This course concentrates on skill development and the application of rules and strategies. **Swimming is a semester 1 requirement. PE 1 is offered in summer school. Students cannot exceed 22 days of missed classroom activity. These days include absences, illness, and injury. When students reach 22 days of missed activity, they will be removed from the class and are required to repeat.**

PHYSICAL EDUCATION II (Required) **(IDOE#: 3544)** **S** **9, 10, 11, 12**

Prerequisite: School physical.

PE II emphasizes a personal commitment to lifetime activity and fitness for enjoyment, challenge, self-expression, and social interaction. This course stresses achieving and maintaining a health-enhancing level of physical fitness and increased knowledge of fitness concepts through different movement forms. **Students cannot exceed 22 days of missed classroom activity. These days include absences, illness, and injury. When students reach 22 days of missed activity, they will be removed from the class and are required to repeat.**

PE I & II: WEIGHTS I & II **(IDOE#: 3542 & 3544)** **S** **9, 10, 11, 12**

Student athletes can take this class in place of PE I & PE II. Must have a physical on file.

This class can be used as a substitute for Physical Education I and II. Students do not need previous weight lifting experience. Student-athletes and students interested in beginning a multi-year physical conditioning program are ideal candidates. This class is a performance-based class and participants will be expected to work through a prescribed workout under the guidance of a Certified Strength and Conditioning Coach. This class teaches the basic fundamentals of weight training as well as program standards, goals, and expectations. It is structured to prepare student-athletes for the next level of this class where they will safely expand on set and reps schemes, exercises, and speed/athletic enhancement drills. This class is designed to provide an opportunity during the school day for student-athletes to participate in a structured strength and athletic enhancement program that will not interfere with after school activities, jobs, or homework. The class is geared toward student-athletes who show above average interest and ability in physical education through participation on an athletic team. In order to get the full benefit of the program, student-athletes should enroll in this course for each semester. Students interested in continuing their conditioning experience should take Physical Conditioning in future semesters. **Students cannot exceed 22 days of missed classroom activity. These days include absences, illness, and injury. When students reach 22 days of missed activity, they will be removed from the class and are required to repeat. If students experience an injury, they should supply a list of doctor-recommended activities so that students can continue to earn their credits. Students can "make-up" missed assignments in the morning prior to school. No make-up is needed for students with Field Trip, Religious, Long-Term Medical, or Homebound absences.**

PE ELECTIVE: PHYSICAL CONDITIONING I & II **(IDOE#: 3560)** **S** **10, 11, 12**

Pre-Requisite: PE Weights I & II & Approval by Strength and Conditioning Coach prior to enrollment.

Physical Conditioning I and II is a performance based class and participants will be expected to work through a prescribed workout under the guidance of a Certified Strength and Conditioning Coach. This class is structured for upperclassmen and any student-athlete who has been through PE Weights I & II. This class builds on all the foundational movements and skills taught in the previous courses. This class is more advanced than the previous section. It is crucial that students are taught proper technique, proper mechanics, and have appropriate discipline before continuing to this section. This class is designed to provide an opportunity during the school day for student-athletes to participate in a structured strength and athletic enhancement program that will not interfere with after school activities, jobs, or homework. Students may repeat this course each semester of high school. **Students cannot exceed 22 days of missed classroom activity. These days include absences, illness, and injury. When students reach 22 days of missed activity, they will be removed from the class and are required to repeat. If students experience an injury, they should supply a list of doctor-recommended activities so that students can continue to earn their credits. Students can "make-up" missed assignments in the morning prior to school. No make-up is needed for students with Field Trip, Religious, Long-Term Medical, or Homebound absences.**

PE ELECTIVE: PHYSICAL CONDITIONING (No Credit) I & II **(IDOE#: NA)** **S** **10, 11, 12**

Pre-Requisite: Approval by Strength and Conditioning Coach prior to enrollment.

This course will run concurrently with PE Elective: Physical Conditioning I & II. This No Credit option allows for students to participate without the course affecting their cumulative GPA. No credits are issued for this course, and no grades will be stored to students' transcripts. Student are required to uphold the same expectations and standards as the students in Physical Conditioning I and II. Students may repeat this course each semester of high school. Students will not be moved between Physical Conditioning and Physical Conditioning No Credit once the Drop/Add window closes. **Students**

cannot exceed 22 days of missed classroom activity. These days include absences, illness, and injury. When students reach 22 days of missed activity, they will be removed from the class and are required to repeat. If students experience an injury, they should supply a list of doctor-recommended activities so that students can continue to earn their credits. Students can "make-up" missed assignments in the morning prior to school. No make-up is needed for students with Field Trip, Religious, Long-Term Medical, or Homebound absences.

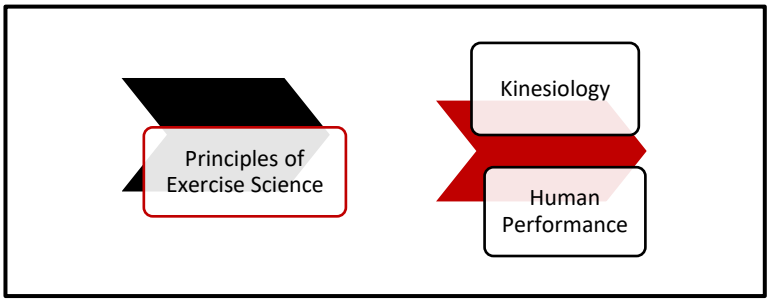
HEALTH AND WELLNESS (Required) **(IDOE#: 3506)** **S** **9, 10, 11, 12**
This course is designed to develop healthful attitudes and practices based on sound knowledge of the mind and body. Areas covered include: human anatomy and physiology, first aid and safety, human reproduction and development, drug education, mental health, and disease.

PRINCIPLES OF EXERCISE SCIENCE **(IDOE#: 7320)** **Y** **9, 10, 11, 12**
Course 1 in the Exercise Science Pathway
Federal funding requires the disclosure of student social security number to enroll
Principles of Exercise Science provides an introduction to the science of exercise and human movement. Special topics include exercise physiology, sport biomechanics, sports medicine, and motor integration. Additionally, the course will examine career options in sport, health and wellness, education, and the medical fields like personal trainer, athletic training and physical therapy.

KINESIOLOGY **(IDOE#: 7321)** **Y** **10, 11, 12**
Course 2 in the Exercise Science Pathway
Prerequisite: Principles of Exercise Science
Federal funding requires the disclosure of student social security number to enroll
Students will learn basic human physiology relating to exercise, and how the body adapts to acute and chronic physical activity. Systems covered include cellular metabolic processes, energy systems, and the effects of exercise on the respiratory, nervous, cardiovascular, endocrine, skeletal, and muscular systems. The course will also study the basic nutritional principles needed for optimal athletic and human performance. **Fulfills the Science requirement for all diplomas.**

HUMAN PERFORMANCE **(IDOE#: 7322)** **Y** **10, 11, 12**
Course 3 in the Exercise Science Pathway
Prerequisite: Principles of Exercise Science
Federal funding requires the disclosure of student social security number to enroll
Students will learn basic human physiology relating to exercise, and how the body adapts to acute and chronic physical activity. Systems covered include cellular metabolic processes, energy systems, and the effects of exercise on the respiratory, nervous, cardiovascular, endocrine, skeletal, and muscular systems. The course will also study the basic nutritional principles needed for optimal athletic and human performance.

Exercise Science Pathway



SCIENCE

EARTH/SPACE SCIENCE I **(IDOE#: 3044)** **Y** **9, 10, 11, 12**
This course investigates the cause-and-effect relationships between the four branches of earth science: geology, oceanography, astronomy, and meteorology. A major theme is the universality of change—from weather and the rock cycle through plate tectonics to postulated changes in the make-up and arrangement of the universe. Laboratory investigations, use of technology, research methodologies, and evaluation measures will develop and foster inquiry skills. ***NCAA-Approved Course***

BIOLOGY I (Required) **(IDOE#: 3024)** **Y** **9, 10, 11, 12**
This course is an introductory life science course in which students explore the functions and relationships of living things and their effect on humans. Students develop scientific inquiry methods in a laboratory environment. Topics include: cell biology and chemistry, uni- and multi-cellular organisms, reproduction, genetics, evolution, and ecology. At the end of this course, students will participate in the high school ILEARN Science assessment. ***NCAA-Approved Course***

PRE-AP BIOLOGY I **(IDOE#: 3024)** **Y** **9, 10, 11, 12**

This course will utilize curriculum and materials provided by College Board. Students should plan to take AP Biology.

Recommended Prerequisite: Students testing nationally at the 75th-percentile or higher should consider enrolling in this course.

There is an emphasis on analytical reading and writing. Students will engage in these skills with the goal of gaining, retaining, and applying scientific knowledge to carry out scientific argumentation. The course will include the strategic use of math in order to understand and express quantitative aspects of biology, to record and interpret experimental data, and to engage in problem-solving. Students will create, revise, and use models to explain key patterns, interactions, and relationships in biological systems. Students will focus on ecological systems, evolution, cellular systems, and genetics. ***This is a weighted course. NCAA-Approved Course***

Advanced Science, College Credit (L) **(IDOE#: 3090)** **S** **11, 12**

New for 2027-2028.

Recommended Prerequisite: Biology 1

Students can use this class as part of the Indiana College Core Certificate

This course teaches the basic concepts of life, including chemistry and biochemistry, cell structure and function, cellular energy pathways, genetics and biotechnology, plant and animal biology, evolution, and ecology. Students explore how living organisms interact and how biology informs global issues while building hands-on skills in microscopy, metric measurement, data collection, and data interpretation. Students will learn how chemistry, cell structures, and cellular processes support life in plants, animals, and other biological kingdoms. Students will also explore how genetics and biotechnology relate to inheritance and how natural selection contributes to evolution and biodiversity as populations change over time. ***This is a weighted course.***

AP BIOLOGY **(IDOE#: 3020)** **Y** **9, 10, 11, 12**

Prerequisites: Students must complete Biology or Pre-AP Biology prior to taking AP Biology. It is recommended that they earn a B- or higher.

Dual Credit: Ivy Tech (BIOL 105) (5 credits) Ivy Tech (BIOL 107) (5 credits)

Students can use this class as part of the Indiana College Core Certificate if they have an AP Score of 3+ or the dual credit.

This course is divided into 8 unit united by 4 main ideas. The 8 units are the Chemistry of Life, Cell Structure & Function, Cellular Energetics, Cell Communication & the Cell Cycle, Heredity, Gene Expression & Regulation, Natural Selection, and Ecology. The 4 main ideas that unite the course are Evolution, Energetics, Information Storage & Transmission, and Systems Interactions. Students investigate biological concepts through inquiry-based laboratory work, while learning how to design investigations, interpret evidence, analyze data, and construct explanations. While it is not a required prerequisite, students will benefit from taking Chemistry prior to taking this course. **(QR Course)** ***This is a weighted course. NCAA-Approved Course***

INTEGRATED CHEMISTRY-PHYSICS **(IDOE#: 3108)** **Y** **10, 11, 12**

Prerequisites: Passing grade in Algebra I.

The intent is to offer a course for the students to learn the physical laws of nature as the second year of science. These students are the non-traditional Chemistry and/or Physics students with math skills not ready to do computations for Chemistry or Physics. Topics will include Motion, Newton's Laws, Energy, Electricity, Magnetism, Matter, Atoms, Chemical Bonds, Solutions, Acids, Bases, Salts and Organic Molecules. **(Q.R. Course)** ***NCAA-Approved Course***

CHEMISTRY I **(IDOE#: 3064)** **Y** **9, 10, 11, 12**

Prerequisites: "C-" in Biology and "C-" in Algebra 1

Chemistry is a course based on IDOE standards for high school chemistry and science and engineering process standards. The core topics include: (1) Properties and States of Matter, (2) Introduction to Thermochemistry, (3) Measurement, (4) Atomic Structure and Nuclear Chemistry (5) Analysis of Periodic Table, (6) Gases, (7) Ionic and Covalent Compound, (8) Chemical Reactions, (9) Chemical Quantities, (10) Stoichiometry, and (11) Acids, Bases and Solutions. Students investigate chemical principles through hands-on laboratory work, developing skills in experimental design, data analysis, and mathematical problem solving. Students are expected to have a strong foundation in mathematics as we perform complex multi-step calculations and utilize quantitative analytical methods. **(QR Course)** ***NCAA-Approved Course***

PRE-AP CHEMISTRY I **(IDOE#: 3064)** **Y** **9, 10, 11, 12**

This course will utilize curriculum and materials provided by College Board. Students should plan to take AP Chemistry.

Recommended Prerequisite: Students testing nationally at the 75th-percentile or higher should consider enrolling in this course. Students should have Algebra 1 and Biology 1 completed.

Pre-AP Chemistry is vertically aligned to the science practices embedded in high school and college courses. This course covers Indiana State Science Standards for Chemistry and College Board's Pre-AP Chemistry Standards. The course provides opportunities for students to think like scientists as they develop their use of modeling, strategic use of math, and the use of analytical reading and writing. The 4 main units are: Structure and Properties of Matter, Chemical Bonding and Interactions, Chemical Quantities, and Chemical Transformations. **(QR Course)** ***This is a weighted course. NCAA-Approved Course***

AP CHEMISTRY **(IDOE#: 3060)** **Y** **10, 11, 12**

Prerequisites: Students must complete Chemistry or Pre-AP Chemistry prior to taking AP Chemistry. It is recommended that they earn a (B-) in both semesters of Chemistry and (B-) in both semesters of Algebra II.

Students can use this class as part of the Indiana College Core Certificate if they have an AP Score of 3+ or dual credit from a previous year.

AP Chemistry is a course based on the content established and copyrighted by the College Board and is highly rigorous. A strong mathematics foundation and high ability in written expression are recommended. The content includes: (1) atomic structure and properties, (2) molecular and ionic compound structure and properties, (3) intermolecular forces and properties, (4) chemical reactions, (5) kinetics, (6) thermodynamics, (7) equilibrium, (8) Acids and Bases, and (9) application of thermodynamics. Emphasis is placed on science practices of evidence-based argumentation, mathematical routines, quantitative reasoning, model analysis, representing data and phenomena, inquiry, and representational modeling. AP Chemistry course is the equivalent to a first-year college chemistry course. The course will prepare students to take the AP exam. **(QR Course)** ***This is a weighted course. NCAA-Approved Course***

PHYSICS I **(IDOE#: 3084)** **Y** **10, 11, 12**

Prerequisites: Completion of Algebra I

An introduction to general physics, which includes classical mechanics, heat, waves, electricity and magnetism, and optics. The emphasis is on lab work and problem solving. Math skills beyond first-year algebra include some second-year algebra and basic trigonometry; those concepts will be taught in the class. **(QR Course).** ***NCAA-Approved Course***

HONORS PHYSICS I **(IDOE#: 3090)** **Y** **10, 11, 12**

Prerequisites: Placement based on STM high-ability identification process.

This course covers all the material in Physics I, plus additional units on equilibrium, fluids, nuclear physics, special relativity, and modern physics. The pace is accelerated and the mathematics is more involved than in Physics I. **(QR Course)** ***This is a weighted course. NCAA-Approved Course***

AP PHYSICS C, MECHANICS **(IDOE#: 3090)** **S** **11, 12**

Prerequisites: Students must complete Physics 1 or Honors Physics to enroll in AP Physics.

Students can use this class as part of the Indiana College Core Certificate if they have an AP Score of 3+.

This course covers calculus-based Newtonian mechanics on a level typical of a first-semester science or engineering major at a competitive university, including: kinematics, forces, energy, momentum, rotation, gravitation, and simple harmonic motion. Students are prepared to take the AP exam. **(QR Course).** ***This is a weighted course. NCAA-Approved Course***

AP PHYSICS C, ELECTRICITY AND MAGNETISM **(IDOE#: 3088)** **S** **11, 12**

Prerequisites: Students must complete Physics 1 or Honors Physics to enroll in AP Physics

Students can use this class as part of the Indiana College Core Certificate if they have an AP Score of 3+.

The course covers calculus-based electromagnetism on a level typical of a second-semester science or engineering major at a competitive university, including electrostatics, electric potential, RC/RL circuits, and magnetism, with emphasis on Maxwell's equations. Students are prepared to take the AP exam. **(QR Course)** ***This is a weighted course. NCAA-Approved Course***

ADVANCED MICROBIOLOGY **(IDOE#: 3026)** **S** **9, 10, 11, 12**

Prerequisite: "C-" in Biology.

Microbiology is the study of microorganisms and their effects on other organisms. Topics include an introduction and history of microbiology, disease and epidemiology, microscopy, cellular chemistry, functional Anatomy of cells, microbial metabolism, microbial growth and control mechanisms, virus, and eukaryotes. ***This is a weighted course. NCAA-Approved Course***

ANATOMY AND PHYSIOLOGY **(IDOE#: 5276)** **Y** **9, 10, 11, 12**

Prerequisites: "C-" in Biology

***Federal funding requires the disclosure of student social security number to enroll in this course.**

This course is designed to enhance the student's understanding of human biology. The material focuses on the interrelationships of structure and function within the skeletal, muscular, nervous, digestive, and respiratory systems. The course is useful for students intending to enter health occupations. ***NCAA-Approved Course***

ENVIRONMENTAL SCIENCE: "PROJECT BIO" **(IDOE#: 3010)** **Y** **10, 11, 12**

Prerequisites: "C-" both semesters in Biology and an exemplary discipline record.

Note: This is not an honors-level course. ***Project Bio*** is an interdisciplinary class based on ecology and geology that stresses the impact of human society on natural ecosystems. Students will analyze the consequences of ecosystem abuses and the benefits of its maintenance. Units include marine biology, land use, oceanography, sociology, and economics. The class includes two field experiences: a visit to the Indiana Dunes and spring break in Florida at Big Pine Key. This class requires a minimum of 20 students to be offered. A maximum of 30 students can attend. This course carries additional fees. ***NCAA-Approved Course***

AP ENVIRONMENTAL SCIENCE **(IDOE#: 3012)** **Y** **10, 11, 12**

Recommended Prerequisites: "B-" in Biology; "B-" in Chemistry or Physics. "C-" in Pre-AP Biology, Pre-AP Chemistry, or Honors Physics.

This course is designed to provide students with the principles, concepts and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human caused, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. This course is interdisciplinary. (QR Course) ***This is a weighted course. NCAA-Approved Course***

PROJECT LEAD THE WAY: PRINCIPLES OF THE BIOMEDICAL SCIENCES (PBS) **(IDOE#: 5218)** **Y** **9, 10, 11, 12**

Prerequisites: Students can take this course after completing Biology or while being concurrently enrolled in Biology.

***Federal funding requires the disclosure of student social security number to enroll in this class.**

Students explore concepts of biology and medicine as they take on roles of different medical professionals to solve real-world problems. Over the course of the year, students are challenged in various scenarios including investigating a crime scene to solve a mystery, diagnosing and proposing treatment to patients in a family medical practice, to tracking down and containing a medical outbreak at a local hospital, stabilizing a patient during an emergency, and collaborating with others to design solutions to local and global medical problems. ***NCAA-Approved Course***

PROJECT LEAD THE WAY: HUMAN BODY SYSTEMS (HBS) **(IDOE#: 5216)** **Y** **10, 11, 12**

Prerequisites: PLTW PBS with "C-" or higher

Prerequisites: Student who completed Anatomy and Physiology can be considered for this course.

***Federal funding requires the disclosure of student social security number to enroll in this class.**

Students explore the interactions of human body systems identifying, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real-world cases and often play the roles of biomedical professionals to solve medical mysteries. They will also perform dissections of several body parts, including the lungs, heart, eye, kidney, and brain. ***NCAA-Approved Course***

PROJECT LEAD THE WAY: MEDICAL INTERVENTIONS (MI) **(IDOE#: 5217)** **Y** **11, 12**

Prerequisite 1: PLTW Principles of Biomedical Sciences with a "C-" or higher

Prerequisite 2: PLTW Human Body Systems or Anatomy and Physiology with a "C-" or higher.

***Federal funding requires the disclosure of student social security number to enroll in this class.**

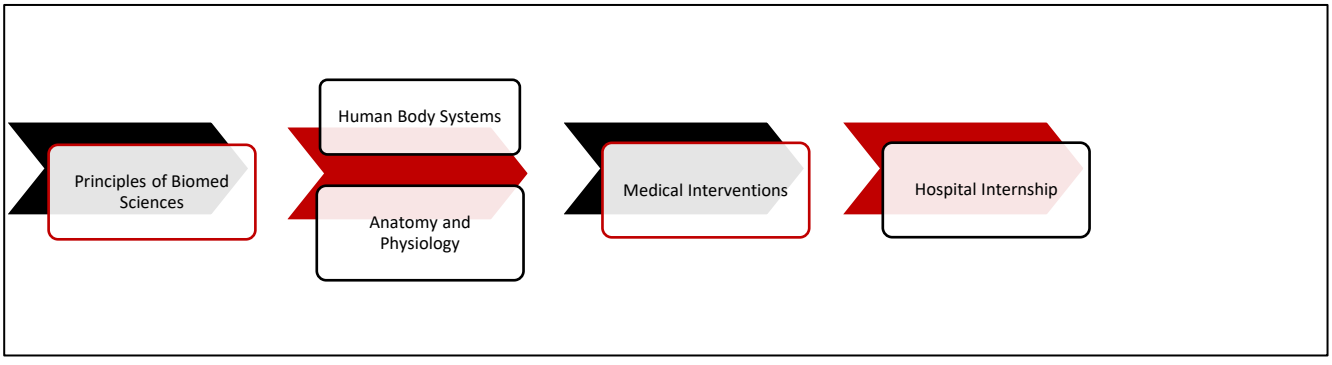
Students investigate a variety of interventions involved in the prevention, diagnosis and treatment of disease as they follow the life of a fictitious family. The course is a "How-To" manual for maintaining overall health and homeostasis in the body. Students explore how to prevent and fight infection; screen and evaluate the code in human DNA; prevent, diagnose and treat cancer; and prevail when the organs of the body begin to fail. Through these scenarios, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. ***This is a weighted course. NCAA-Approved Course***

HOSPITAL INTERNSHIP **(IDOE#: 5974)** **S** **12**

Prerequisite: Students must complete the Biomedical Sequence below. Principles of Biomedical Sciences and Human Body Systems (or Anatomy and Physiology) must be completed prior to requesting the internship opportunity. Students can concurrently enroll in Medical Interventions. An application is required. Placement will be determined by a committee. Students must average a "C" or higher in required coursework. Students will also be reviewed for attendance and discipline.

Munster High School partners with Community Hospital to allow selected students access to an internship program. Areas of focus can include the following: Pharmacy, Radiology, Laboratory Study, Endoscopy, Maternal Child, Cath Lab, Nursing, Biomedical Sciences, Physical Therapy, and Respiratory Therapy. Students interested in participating in the internship should declare their interests as incoming freshmen so that their schedules can meet the pathway requirements. This multi-period class schedules in a block either at the beginning or end of the school day. *Students violating school rules or expectations will be removed from internships. Intern applicants will be reviewed for grades, course work, attendance and discipline records. If interest exceeds availability, the most qualified students will be selected. Since the internship runs in conjunction with Munster Community Hospital, the hospital can cancel the internship or restrict the number of students allowed to participate.*

Biomedical Science Sequence



BOTANY **(IDOE#: 3026)** **S** **9, 10, 11, 12**

Prerequisites: "C-" in Biology

A branch of biology, this course undertakes the study of plants, including plant anatomy and physiology. Lab work will examine the microscopic structure of plants and cover practical applications of plant growth and development. Students will apply concepts by learning to care for plants in the school's courtyard and greenhouse. ***NCAA-Approved Course***

HUMAN GENETICS **(IDOE#: 3026)** **S** **9, 10, 11, 12**

Prerequisites: "C-" in Biology

Human Genetics introduces students to basic and advanced principles of genetics. Topics include an introduction to genetics, Transmission of genes from generation to generation, statistics and probability, pedigree analysis, genetic screening, cytogenetics, population genetics, development and sex determination, and legal and bioethical aspects of genetics. ***NCAA-Approved Course***

ZOOLOGY **(IDOE#: 3026)** **S** **9, 10, 11, 12**

Prerequisites: "C-" in Biology

As a branch of biology, this course undertakes the study of animals, surveying major animal phyla and classes. The course dives into the evolutionary tendency of increasing complexity as students first learn about the simplest animals and finish with the most complex. Classification based on shared traits is used to demonstrate that all animals are related. Students will be required to complete several projects and presentations over the course of the semester including verbal presentations and poster board style projects. ***NCAA-Approved Course***

SOCIAL STUDIES

ANCIENT WORLD HISTORY & CIVILIZATION (Required) **(IDOE#: 1548)** **S** **9, 10, 11, 12**

Ancient World History emphasizes events and developments in the past that greatly affected large numbers of people across broad areas and that significantly influenced peoples and places in subsequent eras. Key events related to people and places as well as transcultural interaction and exchanges are examined in this course. Students are expected to compare and contrast events and developments involving diverse peoples in different regions of the world. They examine examples of continuity and change, universality and particularity, and unity and diversity among various peoples and cultures from the past to the present in the areas of the River Valley Civilizations, Greece, Rome and Medieval Europe. Students are also expected to practice and process skills of historical thinking and research and apply content knowledge to the practice of thinking and inquiry skills and processes. There will be continuous and pervasive interactions of processes and content, skills and substance, in the teaching and learning of history. ***NCAA-Approved Course***

MODERN WORLD HISTORY & CIVILIZATION (Required) **(IDOE#: 1548)** **S** **9, 10, 11, 12**

Modern World History emphasizes events and developments in the past that greatly affected large numbers of people across broad areas and that significantly influenced peoples and places in subsequent eras. Key events related to people and places as well as transcultural interaction and exchanges are examined in this course. Students are expected to compare and contrast events and developments involving diverse peoples in different regions of the world. They examine examples of continuity and change, universality and particularity, and unity and diversity among various peoples and cultures from the past to the present (1200 to the current time). Topics include: Renaissance and Reformation, French Revolution, The World Wars, Russian Revolution, Communism, Genocide, Terrorism, etc. Students are also expected to practice and process skills of historical thinking and research and apply content knowledge to the practice of thinking and inquiry skills and processes. There will be continuous and pervasive interactions of processes and content, skills and substance, in the teaching and learning of history. ***NCAA-Approved Course***

PRE-AP WORLD HISTORY AND GEOGRAPHY **(IDOE#: 1548)** **Y** **9, 10, 11, 12**

This course will utilize curriculum and materials provided by College Board. Students should plan to take AP Human Geography, AP US History, and/or AP US Government. This course fulfills the diploma requirement for World History. Students will take this course *OR* Ancient & Modern.

Recommended Prerequisite: Students testing nationally at the 75th-percentile or higher should consider enrolling in this course.

This year-long course explores the structures and forces that reflect and shape the regions, communities, governments, economies, and cultures of humanity-helping students develop an organized, meaningful understanding of time and space. Assumptions are challenged, and previous arguments gain nuance and context. Students will learn how to examine sources and data, establish inferences, and ultimately build and critique arguments. Students will apply the tools of historians and geographers. Students will evaluate evidence, explain historical and geographic relationships, and incorporate evidence into written and oral arguments. ***This is a weighted course. NCAA-Approved Course***

AP HUMAN GEOGRAPHY **(IDOE#: 1572)** **Y** **9, 10, 11, 12**

Recommended Prerequisites: An "A-" in previous social studies course and an "A-" in previous English course.

AP Human Geography introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and the alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine culture, human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. This course is equivalent to a semester college course and prepares students to take the AP exam providing the student the opportunity to receive college credit. ***This is a weighted course.*** ***NCAA-Approved Course***

WORLD GEOGRAPHY **(IDOE#: 1546)** **S** **9, 10, 11, 12**

This course relates physical geography to the economic, political, social, and cultural aspects of human activity. Students learn about major landforms, bodies of water, climate regions, natural vegetation, cultural heritage, population densities, uses of land, transportation, and communication. Units include: the Americas, Europe, the Middle East, Africa, and Asia. ***NCAA-Approved Course***

INDIANA STUDIES **(IDOE#: 1518)** **S** **9, 10, 11, 12**

Indiana Studies is an integrated course that compares and contrasts state and national developments in the areas of politics, economics, history, and culture. The course uses Indiana history as a basis for understanding current policies, practices, and state legislative procedures. It also includes the study of state and national constitutions from a historical perspective and as a current foundation of government. Examination of individual leaders and their roles in a democratic society will be included, and students will examine the participation of citizens in the political process. Selections from Indiana arts and literature may also be analyzed for insights into historical events and cultural expressions. **This is an elective course for all diplomas. It does not meet a social studies graduation requirement**. ***(Course offered based on requests.)***

ETHNIC STUDIES **(IDOE#: 1516)** **S** **9, 10, 11, 12**

Ethnic Studies provides opportunities to broaden students' perspectives concerning lifestyles and cultural patterns of ethnic groups in the United States. This course will either focus on a particular ethnic group or groups, or use a comparative approach to the study of patterns of cultural development, immigration, and assimilation, as well as the contributions of specific ethnic or cultural groups. The course may also include analysis of the political impact of ethnic diversity in the United States. **This is an elective course for all diplomas. It does not meet a social studies graduation requirement**. ***(Course offered based on requests.)*** ***NCAA-Approved Course***

U.S. HISTORY (Required) **(IDOE#: 1542)** **Y** **11**

U.S. History is the study of American history with an emphasis on national development from 1800 to the present. After reviewing themes fundamental to the early development of the nation, students study key events, individuals, groups, and movements as they relate to life in the United States and the State of Indiana. ***NCAA-Approved Course***

AP U.S. HISTORY **(IDOE#: 1562)** **Y** **11**

Recommended Prerequisites: "A-" in a previous history course, and "B-" in Pre-AP English 10 or "A-" in English 10.

Dual Credit: Ivy Tech (HIST 101 & 102) (6 credits)

This course covers political institutions, public policy, social change, cultural and intellectual developments, diplomacy and international relations, and economic developments. It provides students with the factual base and analytical skills to deal critically with historical problems. This course is equivalent to a full-year introductory college course and prepares students to take the AP exam and to receive college credit. **This is a weighted course.** ***NCAA-Approved Course***

PSYCHOLOGY **(IDOE#: 1532)** **S** **11, 12**

his course introduces the scientific study of human behavior and mental processes. Students explore foundational topics, including the biological bases of behavior, human development, cognition, perception, personality, and mental health. Students develop an understanding of how psychological principles apply to everyday life and gain insight into career pathways that benefit from a background in psychology. ***NCAA-Approved Course***

AP PSYCHOLOGY **(IDOE#: 1558)** **Y** **11, 12**

Recommended Prerequisites: "A-" in a previous history course and "B-" in Pre-AP English or "A-" in English.

Dual Credit: Ivy Tech (PSYC 101) (3 credits)

AP Psychology introduces students to the systematic and scientific study of behavior and mental processes in humans and animals. Students are exposed to the following areas: research, biology, sensation, perception, state of consciousness, learning, cognition, motivation, emotion, personality, intelligence, psychological disorders, treatment of psychological disorders, and social psychology. The course prepares students for the AP exam.

This is a weighted course. ***NCAA-Approved Course***

U.S. GOVERNMENT (Required) **(IDOE#: 1540)** **S** **12**

The primary goal of this course is to make students aware of their rights and responsibilities as citizens in a democratic society. The course examines the organization and duties performed by the executive, legislative, and judicial branches of the federal government. It also emphasizes the political process, individual civil liberties, and state and local government. Verbal and writing skills are emphasized and evaluated. ***NCAA-Approved Course***

AP US GOVERNMENT **(IDOE#: 1560)** **S** **12**

Recommended Prerequisites: "B-" in AP U.S. History or "A-" in U.S. History and B- in AP English or "A-" in English 11.

Dual Credit: Ivy Tech (POL 101) (3 credits)

This course provides an in-depth analysis of the U.S. government and politics. Subjects covered include political beliefs and behaviors, political parties, interest groups, mass media, Congress, the presidency, federal courts, and civil right and liberties. Students are prepared to take the AP exam for college credit. ***Concurrent Enrollment-Ivy Tech Community College (POL 101) (3 Credits).*** **This is a weighted course.** ***NCAA-Approved Course***

ECONOMICS (Required) **(IDOE#: 1514)** **S** **12**

Economics examines the allocation of scarce resources and the economic reasoning used by consumers, producers, savers, investors, workers, voters, and government agencies. Key elements include the study of scarcity, supply and demand, market structures, the role of government, money and the role of financial institutions, economic stabilization, and trade. Students participate in the Stock Market Game, an investing simulation, sponsored by the Indiana Council on Economic Education. **(QR Course).** ***NCAA-Approved Course***

AP ECONOMICS **(IDOE#: 1564)** **S** **12**

Recommended Prerequisites: "B-" in Algebra II and "B-" in A.P. U.S. History or "A-" both semesters in U.S. History.

Dual Credit: Ivy Tech (ECON 202) (3 credits). Must complete or be enrolled in Ivy Tech ENGL 111. Students who completed ENGL 104 through PNW are eligible, but they must send transcripts to Ivy Tech.

AP Economics (Microeconomics) examines how individuals, firms, and organizational structures make economic decisions. The curriculum focuses on the concept of supply and demand to demonstrate how: market prices are determined; those prices influence an economy's allocation of goods and services; factors of production are allocated in the production process; goods and services are distributed throughout the economy. Students learn to evaluate the strengths and weaknesses of economic decision makers based on the concepts of efficiency and equity, and the effects of government intervention on a free-market economy. Students are prepared to take the AP exam. **(QR Course) This is a weighted course.** ***NCAA-Approved Course***

SOCIOLOGY **(IDOE#: 1534)** **S** **11, 12**

This course introduces students to the concepts and methods used by sociologists to study people in society, social institutions, and social relationships. Students will compare various cultures and their values, and examine such topics as socialization, group behavior, and the process of change. Student participation, discussion, and feedback are expected. ***NCAA-Approved Course***

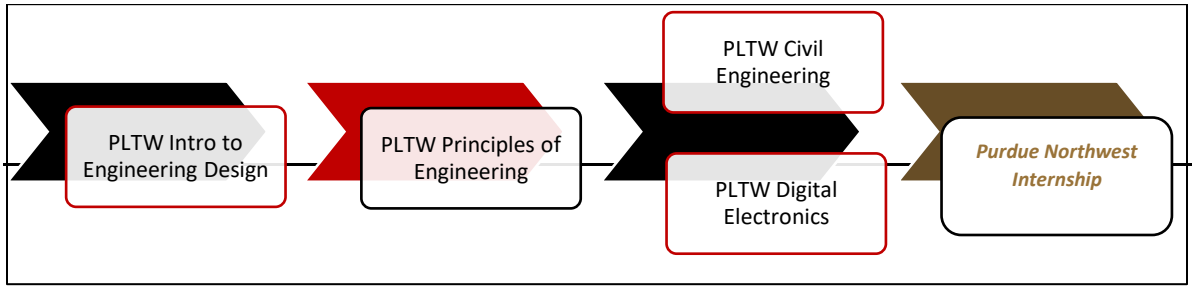
ADVANCED SOCIOLOGY **(IDOE#: 1534)** **S** **12**

Prerequisites: "B-" in AP English or "A-" in English 11, and "B-" both semesters in U.S. History.

Advanced Sociology integrates the basics of sociology with a detailed examination of social psychology, social cognition, prejudice and racism, conformity, and human aggression. Designed to broaden a student's social awareness and understanding of the problems any society could face. Course includes required readings, research, and discussion. Student participation, public speaking, and feedback are expected. **This is a weighted course.** ***NCAA-Approved Course***

PRE-ENGINEERING AND TECHNOLOGY EDUCATION

PLTW Engineering Sequence



PROJECT LEAD THE WAY: Introduction to Engineering Design (IED) **(IDOE#: 4802)** **Y** **9, 10, 11, 12**

1st class in the PLTW Pathway

****Federal funding requires the disclosure of student social security number to enroll in this class.***

Dual Credit: Ivy Tech (DESN 101) (3 credits)

This introductory course develops student problem-solving skills with emphasis on 3-dimensional solid models utilizing the latest version of INVENTOR software design package. Students learn how the problem-solving design process is used in industry to manufacture a product. Students will work through the design process simulating the work of an engineer, from notebook sketches to the final product. Topics include: design process, technical sketching, measurement and statistics, geometric shapes and solids, dimensions and tolerances, modeling skills, reverse engineering, and engineering design ethics. This course is meant for students who would like to explore a possible career in engineering. Students will have the ability to test for Autodesk industry certification using the INVENTOR software.

PROJECT LEAD THE WAY: PRINCIPLES OF ENGINEERING (POE) **(IDOE#: 5644)** **Y** **9, 10, 11, 12**

2nd class in the PLTW Pathway

Prerequisite: "C-" in IED both semesters.

****Federal funding requires the disclosure of student social security number to enroll in this class.***

Dual Credit: Ivy Tech (DESN 104) (3 credits)

Students will explore technology systems and engineering processes to learn how math, science, and technology impact daily life. Topics include: types of engineering, sketching, technical writing, product development, engineering systems, statics, materials, material testing, reliability of engineering, dynamics and kinematics. Strong math and science skills are essential to success in this course. The latest version of INVENTOR, Bridge Builder, RoboPro, MDSOLIDS, and Fischertechics will be used in this course. Students will have the ability to test for Autodesk industry certification using the INVETOR software. ***(QR Course)***

PROJECT LEAD THE WAY: Digital Electronics (DE) **(IDOE#: 5538)** **Y** **10, 11, 12**

3rd class in the PLTW Pathway

Prerequisite: "C-" in both semesters of IED and POE.

****Federal funding requires the disclosure of student social security number to enroll in this class.***

Dual Credit: Ivy Tech (EECT 112) (3 credits)

Digital Electronics is a course in applied logic that encompasses the application of electronic circuits and devices. Computer simulation software is used to design and test digital circuitry prior to the actual construction of circuits and devices. ***(QR Course)*** **This is a weighted course.**

PROJECT LEAD THE WAY: Civil Engineering & Architecture (CEA) **(IDOE#: 5650)** **Y** **10, 11, 12**

3rd class in the PLTW Pathway

Prerequisite: "C-" in both semesters of IED and POE.

****Federal funding requires the disclosure of student social security number to enroll in this class.***

Dual Credit: Ivy Tech (DESN 105) (3 credits)

This course introduces students to the interdependent fields of civil engineering and architecture; students learn project planning, site planning, and building design. Topics include: Surveying, landscaping, water supply and wastewater control, architectural styles, floor plans, elevations, details and sections, mechanical systems, energy systems, electrical systems, protection systems, structural engineering, roof systems, columns and beams, foundations. The latest version of INVENTOR, REVIT, and MDSOLIDS will be used in this course. ***(QR Course)*** **This is a weighted course.**

STEM CAPSTONE: PURDUE UNIVERSITY NORTHWEST INTERNSHIP **(IDOE#: 5974)** **S** **12**

****Federal funding requires the disclosure of student social security number to enroll in this class.***

Prerequisite: Students must complete the PLTW Engineering Sequence above. Introduction to Engineering Design and Principles of Engineering must be completed prior to requesting the internship opportunity. Students can concurrently enroll in Civil Engineering and Architecture (or Digital Electronics). An application is required. Placement will be determined by a committee. Students must average a "C" or higher in required coursework. Students will also be reviewed for attendance and discipline.

This course offers Munster students a unique opportunity to intern with STEM professors at Purdue University Northwest. Students need to provide their own transportation. Students should declare interest early in their high school careers so counselors can ensure that the proper coursework has been completed. This multi-period class schedules in a block either at the beginning or end of the school day. *Students violating school rules or expectations will be removed from internships. Intern applicants will be reviewed for grades, course work, attendance and discipline records. If interest exceeds availability, the most qualified students will be selected.*

MULTIDISCIPLINARY

PEER TUTORING **(IDOE#: 0520)** **S** **9, 10, 11, 12**

One semester of Peer Tutoring fulfills the Box 2 Service-Based Learning Requirement. Students must be in good standing for grades and attendance.

This course allows students to work alongside Munster teachers and students. Peer tutors can work within 1 of 3 programs. Students can work within the Applied Needs program at the high school, the STEP program located behind Wilbur Wright, and our English Language Learning class at MHS. Tutors are required to complete reading and writing assignments, and promote the inclusion of this population within the school community. Peer tutoring is recommended for students who are interested in education or special education as a career. Students will ultimately become more informed about students with various disabilities as well as students who are learning English as a second language. Peer tutors working within the English Language Learning class should have proficiency in another world language.

Per the DOE, students are only allowed to take Peer Tutoring for a maximum of 2 credits in high school.

WORK-BASED LEARNING: EMPLOYABILITY SKILLS DEVELOPMENT (IDOE#: 0543) **S/Y** **12**

Internship Course for the New Indiana Diploma (Summer and After School)

This course is aligned with the New Indiana Diploma Honors Seals that require internship hours. This course is designed for students who elect to complete their hours over the summer months or with after-school hours. Students will complete a **Training Plan** with MHS staff prior to beginning the experience. Opportunities can be paid or unpaid based on the partnership agreement. Students will be issued 1 credit upon the completion of 75 hours of approved internship, 2 credits if they complete 150 hours. Interning students should engage in the meaningful opportunities focused on careers and the world of work. Partners will assign meaningful job tasks so that students develop their skills, knowledge, and readiness for work. Students must report hours in increments of 25 hours for state reporting purposes. Students are also required to complete a **portfolio** that will be scored.

CAREER EXPLORATION INTERNSHIP **(IDOE#: 0530)** **S/Y** **12**

Internship Course for the New Indiana Diploma (During the school day)

This is a paid or unpaid internship experience in the public or private sector that provides for workplace learning in an area of a career interest. Career Exploration Internships are worked into a student's high school schedule based on the internship agreement. Internships can be assigned for up to 3 periods per semester. Students will experience the broad aspects of a particular industry or career cluster by rotating through departments and/or tasks. Students will create and meet the requirements of a **Training Plan**. Students also participate in regularly-scheduled meetings with a classroom teacher and submit course work that includes a **portfolio** for grading. Students will be awarded 1 credit for 75 hours with a maximum of 3 credits possible per semester. Students do not have to complete a CTE course sequence to participate in a Career Exploration Internship opportunity. Note: Due to demand, some internship opportunities will still require a course sequence. Students should communicate their internship interests early in their high school careers.

STUDENT ASSISTANT **S/Y** **10, 11, 12**

Sophomore, junior, and senior students can elect to be a student assistant for a period of the school day. This is non-credit bearing. Students must pick up an aide form in Guidance and have it completed by a teacher and parent. These are completed during the drop-add period.

STUDY HALL **S/Y** **9, 10, 11, 12**

Students may elect to take one period per semester as a study hall for no credit. Most students can take a study hall each semester of high school if they wish. Completing a 4-Year Plan helps students to see how this works.

2025-2026 Dual Credit Concordance

Munster High School Course	DC Institution	College Course	Pre-Requisite	Indiana College Core	Cost
AP English Lang-Comp (11th)	Purdue Northwest	ENG 104	GPA & Test Scores	Yes	$75
AP English Lit-Comp (12th)	Purdue Northwest	ENG 231	GPA & Test Scores; AP Score of 3, 4, 5	Yes	$75
AP Statistics	Purdue Northwest	STAT 301	GPA & Test Scores	Yes	$315.30
American Sign Language 2	Purdue Northwest	ASL 101	ASL 1 & and GPA & Test Scores	No	$315.30
American Sign Language 3	Purdue Northwest	ASL 101 & 102	ASL 1 & 2 and GPA & Test Scores	No	$630.60
English 11	Ivy Tech	ENGL 111	Read & Write Ready	Yes	FREE
Composition	Ivy Tech	ENGL 215	Grade of C or higher in ENGL 111	Yes	FREE
World Literature	Ivy Tech	ENGL 206	ENGL 111	Yes	FREE
Creative Writing	Ivy Tech	ENGL 202	ENGL 111	Yes	FREE
Advanced Speech	Ivy Tech	COMM 101	Read & Write Ready	Yes	FREE
Pre-Calc/Trigonometry	Ivy Tech	MA 136 & 137	SAT Math (550); PSAT Math (27); ACT Math (24); KA STEM (70); No GPA Option	Yes	FREE
Pre-Calc/Trigonometry Honors	Ivy Tech	MA 136 & 137		Yes	FREE
Trigonometry	Ivy Tech	MA 137		Yes	FREE
AP Calculus AB	Ivy Tech	MA 211	MA 136 & 137, KA Calc (95)	Yes	FREE
AP Calculus BC	Ivy Tech	MA 211 & 212		Yes	FREE
AP Biology	Ivy Tech	BIO 105	Read/ Write Ready & KA QR (55), KA STEM (50); ACT Math (18); SAT Math (500); PSAT Math (24.5); 2.6 GPA (JR/SR)	Yes	FREE
Spanish 3	Ivy Tech	SPAN 101 & 102	Read & Write Ready	Yes	FREE
AP Psychology	Ivy Tech	PSYC 101	Read & Write Ready	Yes	FREE
AP US History	Ivy Tech	HIST 101 & 102	Read & Write Ready	Yes	FREE
AP Government	Ivy Tech	POLS 101	Read & Write Ready	Yes	FREE
AP Economics	Ivy Tech	ECON 202	ENGL 111 & ACT-M (18); SAT-M (500); PSAT-M (24.5); KA STEM 70; GPA 2.6 (JR/SR)	Yes	FREE
PLTW Intro to Engineering Design	Ivy Tech	DESN 101	Enrollment in class	No	FREE
PLTW Principles of Engineering	Ivy Tech	DESN 104	DESN 101	No	FREE
PLTW Digital Electronics	Ivy Tech	EECT 112	SAT-M (510); PSAT-M (25); ACT-M (20); KA STEM 70; No GPA Option	No	FREE
PLTW Civil Engineering & Architecture	Ivy Tech	DESN 105	DESN 101	No	FREE
Marketing Fundamentals	Ivy Tech	MKTG 101	Read/Write Ready; ACT-M (18); SAT-M (500); PSAT-M (24.5); KA STEM 50; KA Read/Write 70; GPA 2.6 (JR/SR)	No	FREE
Principles of Business Management	Ivy Tech	BUSN 101	Read & Write Ready	No	FREE
Principles of Entrepreneurship	Ivy Tech	ENTR 100 & 200	Read & Write Ready & KA STEM (50), KA CALC (95), KA QR (55), ACT M (18), SAT M (500), PSAT M (24.5), GPA 2.6 (JR/SR)	No	FREE
New Ventures Development	Ivy Tech	ENTR 215 & 218	Completion of ENTR 100 or Concurrent enrollment in ENTR 100	No	FREE
Small Business Operations	Ivy Tech	ENTR 105 & 205	Completion of ENTR 100 or Concurrent enrollment in ENTR 100	No	FREE

Read Ready: ACT Read (18); SAT ERW (460); SAT Read (25); PSAT ERW (430), Read (25); SR/JR GPA of 2.6+; KA Read/Write 70

Write Ready: ACT English (17); SAT ERW (460); SAT Write (27); PSAT ERW (430), Write (26); SR/JR GPA of 2.6+; KA Read/Write 70

Please check with colleges for the most updated information.

INDIANA COLLEGE CORE (ICC)

UP TO 1 YEAR OF FREE COLLEGE

Students must take <u>at least one</u> course from <u>each of the six categories below</u> & complete a <u>total of 30 credits</u> from these courses to earn the Indiana College Core!

WRITTEN COMMUNICATION				3-6 CREDITS
English 11	GRD 11	ENGL 111	English Composition	3 credits
English 12 Composition	GRD 12	ENGL 215	Rhetoric & Argument	3 credits
⊖ AP Eng. Language & Comp.	GRD 11	ENGL 111/215	English Comp. / Rhetoric & Arg.	3-6 credits
AP Eng. Language & Comp.	GRD 11	ENGL 10400	English Composition 1 (=ENGL 111)	3 credits

SPEAKING AND LISTENING				3-6 CREDITS
Adv. Speech & Communication	GRD 9-12	COMM 101	Fundamentals of Public Speaking	3 credits

QUANTITIVE REASONING				3- 15 CREDITS
Pre-Calculus: Alg. & Trig.	GRD 11-12	MATH 136/137	College Algebra/Trig	6 credits
Honors Pre-Calculus: Alg. & Trig.	GRD 11-12	MATH 136/137	College Algebra/Trig	6 credits
Trigonometry	GRD 11-12	MATH 137	Trig with Analytic Geometry	3 credits
AP Statistics	GRD 11-12	STAT 301	Elementary Stat. Methods (=MATH 200)	3 credits
⊗ AP Statistics	GRD 11-12	MATH 200	Statistics	3 credits
AP Calculus AB	GRD 12	MATH 211	Calculus I	4 credits
AP Calculus BC	GRD 12	MATH 211/212	Calculus I* / Calculus II	8 credits

SCIENTIFIC WAYS OF KNOWING				3-15 CREDITS
⊗ AP Biology	GRD 9-12	BIOL 101/105/107	Intro. to Biology / Bio I / Bio II	3-10 credits
AP Biology	GRD 9-12	BIOL 105	Biology I	5 credits
⊗ AP Chemistry	GRD 10-12	CHEM 101/125/126	Intro. to Chem / Chem I / Chem II	3-10 credits
⊗ AP Physics 1		PHYS 101	Physics I	4 credits
⊗ AP Physics 2		PHYS 102	Physics II	4 credits
⊗ AP Physics C, Mechanics	GRD 11-12	PHYS 101/220	Physics I / Mechanics	4-5 credits
⊗ AP Physics C, Elec. & Magnetism	GRD 11-12	PHYS 102/221	Physics II / Heat, Elec., & Optics	4-5 credits

SOCIAL AND BEHAVIORAL WAYS OF KNOWING				3-15 CREDITS
AP Psychology	GRD 11-12	PSYC 101	Intro. to Psychology	3 credits
AP Economics	GRD 12	ECON 202	Principles of Microeconomics	3 credits
AP U.S. History	GRD 11	HIST 101/102	Survey of American History I & II	6 credits
⊗ AP Macroeconomics		ECON 201	Principles of Macroeconomics	3 credits
AP U.S. Government	GRD 12	POLS 101	Intro. to American Gov't & Politics	3 credits

HUMANISTIC AND ARTISTIC WAYS OF KNOWING				3-15 CREDITS
Spanish 3	GRD 10-12	SPAN 101	Spanish Level 1	4 credits
Spanish 3	GRD 10-12	SPAN 102	Spanish Level 2	4 credits
⊗ AP Spanish 5	GRD 11-12	SPAN 201	Spanish Level 3	3 credits
⊗ AP Spanish 5	GRD 11-12	SPAN 202	Spanish Level 4	3 credits
Creative Writing	GRD 9-12	ENGL 202	Creative Writing	3 credits
World Literature	GRD 12	ENGL 206	Intro to Literature	3 credits
⊖ AP Eng. Literature & Comp.	GRD 12	ENGL 206	Intro to Literature	3 credits
AP Eng. Literature & Comp.	GRD 12	ENGL 23100	Intro to Literature (=ENGL 206)	3 credits

BLACK = Munster course info / GREEN = Ivy Tech course info / GOLD = Purdue course info

⊗ = *Student must pass the AP test with a 3, 4, or 5 to earn college credit.*

⊖ = *Student must pass the AP test with a 4 or 5 to earn college credit.*

For more information on the benefits of earning the Indiana College Core, please visit https://link.ivytech.edu/ICCinfo & https://link.ivytech.edu/ICCIvyTech.

AREA CAREER CENTER OF HAMMOND

The Area Career Center (ACC) in Hammond, Indiana offers 16 programs in Career and Technical Education (CTE). These CTE programs provide students real-world, hands-on experience that prepares them for college and careers. Most CTE programs at the ACC offer college credit opportunities so students can save money and time on their college experience. Many programs offer industry-recognized certifications that help students gain employment directly upon graduation. Courses are worth 3 high school credits per semester, 6 credits per year. Courses are open to junior and senior students.

CONSTRUCTION TRADES - CARPENTRY (1-Year Program) **(IDOE COURSE NUMBERS 7122, 7123, 7130)**

Construction Technology is for students interested in a career in the construction industry. The class works on a new construction project each year. Throughout the course of the program students will learn skills such as: safety, blueprint reading, masonry, framing, roofing, electrical circuit development and installation, drywall hanging and finishing, cabinetry, painting, trim work.

Box 2: All programs meet Box 2 requirements if students successfully complete 1 year.

Box 3: CTE Concentrator after 1 year. Students complete OSHA-10 Certification in year 1 and the Level One Apprentice Carpenter Certification in year 2.

ITCC dual credit will be awarded for the following courses in Year 1:

BCTI 100 Introduction to Construction Technology (3 credit)
BCTI 101 Introduction to Carpentry Part 1 (3 credits)
BCTI 103 Carpentry Framing & Finishing Part 1 (3 credits)

COSMETOLOGY/BARBERING I & II (2-Year Program) **(IDOE COURSE NUMBERS 7330, 7331, 7332 & 7334)**

The Cosmetology Program qualifies students for the Indiana State Board of Cosmetology and Barber Examination. Students in this program must be entering Junior year and commit to a 2-year program. Due to the number of contact hours, this program follows a different schedule **(11:45 - 3:45).** Cosmetology is designed to develop proficiency in all skills of beauty culture. Activities include shampoos, sets, iron outs, updos, permanents, relaxers, scalp treatment, facial treatment, haircuts, hair coloring, manicures, pedicures, waxing, proper sanitation, personal hygiene habits.

Box 2: All programs meet Box 2 requirements if students successfully complete 1 year.

Box 3: CTE Concentrator after 1 year. After year two, students complete the Indiana State Licensed Cosmetologist Certification.

Vincennes dual credit will be awarded for the following courses:

COSM 100 Cosmetology I (7 credits) (Year 1)
COSM 150 Cosmetology II (7 credits) (Year 1)
COSM 200 Cosmetology III (7 credits) (Year 2)
COSM 250 Cosmetology IV (7 credits) (Year 2)

CRIMINAL JUSTICE AND LAW (1-Year Program) **(IDOE COURSE NUMBERS 7188, 7191, & 7193)**

No Year-2 Capstone experience available.

This class is designed to provide the knowledge and skills necessary to enter the criminal justice field. Students will study the basic fundamentals of criminal justice system and how they apply in today's society. The program consists of hands-on activities and requires the ability to participate in physical fitness activities. Students cover different areas each semester as well as prepare and test for one of two industry certifications each year. Activities include the history, role, development, philosophy, and constitutional aspects of the U.S. criminal justice system; court room structure and other segments of the system; criminal investigation (reports, forms, interview techniques); traffic law, local traffic control systems and traffic arrest functions; administration of Field Sobriety Test; fingerprint identifications, shoe and tire impressions; crime scene documentation and evidence collection.

Box 2: All programs meet Box 2 requirements if students successfully complete 1 year.

Box 3: CTE Concentrator after 1 year. In year one, students complete the Dispatcher Certification. In year two, they complete the ILEA-IN County Jail Officer Certification.

Vincennes dual credit will be awarded for the following courses:

LAWE 100 Survey of Criminal Justice (3 credits)
LAWE 101 Basic Police Operations (3 credits)
LAWE 145 Ethics & Professionalism in Criminal Justice (3 credits)
LAWE 150 Criminal Minds & Deviant Behavior (3 credits)

CULINARY ARTS (1-Year Program) **(IDOE COURSE NUMBERS 7169, 7171, & 7173)**

The Culinary Arts and Hospitality Programs offers the foundation for students to work in a professional kitchen and culinary environment. Topics include fundamentals of food preparation; basic principles of sanitation; service procedures; safety practices; baking science; food nutrients and retention in food preparation and menu planning; prepare four major stocks, 5 major sauces; and various soups, yeast goods, pies, cakes, cookies and quick breads.

Box 2: All programs meet Box 2 requirements if students successfully complete 1 year.

Box 3: CTE Concentrator after 1 year. In year 1, students complete the ServSafe Food Handler Certification. In year 2, students complete the Certified Fundamentals Cook Certification.

ITCC dual credit will be awarded for the following courses in **Year 1**:
HOSP 101 Sanitation & Safety (3 credits)
HOSP 102 Basic Food Theory & Skills (3 credits)
HOSP 103 Soups, Stocks & Sauces (3 credits)
HOSP 104 Nutrition (3 credits)
HOSP 105 Introduction to Baking (3 credits)
HOSP108 Hospitality Relations Management (3 credits)

DENTAL CAREERS (1-Year Program) **(IDOE COURSE NUMBERS 7315, 7316 & 7317)**

Are you interested in a career in the dental field? If yes, this is just the program for you. The curriculum has been designed to prepare students for entry into the field of dental assisting. Dental assistants perform a wide variety of duties such as patient care, office and laboratory work. Students receive instruction in many areas including taking and recording medical histories and vital signs; preparing patients for dental procedures; sterilizing instruments and setting up instrument trays; performing chairside, office, and laboratory duties; and instructing patients in oral hygiene plaque control programs, and post-operative directions. **Second year** students report directly to their dental office four days a week and attend the Area Career Center the remaining day.

Box 2: All programs meet Box 2 requirements if students successfully complete 1 year.

Box 3: CTE Concentrator after 1 year. At the end of year 2, students complete the Dental Support Technician Certification.

DIGITAL DESIGN (1-Year Program) **(IDOE COURSE NUMBERS 7140, 7141 & 5550)**

Graphic Imaging prepares students for a career in the printing/graphic communications industry. Students are actively involved in the production of school and community prints of work. Students will use Adobe software such as InDesign, Illustrator, and Photoshop. They will focus on layout and design, computer-generated typesetting, bindery and fishing operations, screen printing operations, embroidery operations, large format print operations, sublimation printing, and job planning.

Box 2: All programs meet Box 2 requirements if students successfully complete 1 year.

Box 3: CTE Concentrator after 1 year. At the end of year 1, students complete the PrintEd Certification.

Vincennes University dual credit will be awarded for the following courses:
DESN 120 Computer Illustration (3 credits)
DESN 140 Computer Imaging (3 credits)
DESN 155 Computer Page Layout (3 credits)

EARLY CHILDHOOD EDUCATION I (1-Year Program) **(IDOE COURSE NUMBERS 7158, 7159, 7160)**

The ACC Early Childhood Education Program offers several opportunities for students preparing to work with young children in a child care setting or other child-related careers. Students learn how to plan and supervise activities for preschool children. They will study the basics of childcare for children up through toddler age as well as the operational procedures of child care centers and regulations. Students work towards receiving their Child Development Associate certification requiring the student have 480 direct hours interning at a child care site. First year students begin their internships mid-January and continue to May, spending 2-3 days at the ACC. **Second year** students report directly to their child care site four days a week and attend the Area Career Center the remaining day.

Box 2: All programs meet Box 2 requirements if students successfully complete 1 year.

Box 3: CTE Concentrator after 1 year. At the end of year 1, students complete the Child Development Associate (CDA) Credential.

ITCC dual credit will be awarded for the following courses:
EDUC 101 Introduction to Teaching (3 credits)
EDUC 121 Child & Adolescent Development (3 credits)

ELECTRICAL ENGINEERING MAINTENANCE TECHNICIAN (1-Year Program) **(IDOE COURSE NUMBERS 7102, 7103, & 7108)**

No Year-2 Capstone experience available.

EEMT is a course that includes classroom and laboratory experiences. Domains include safety and impact, electricity, manufacturing essentials, fluid power principals, mechanical principals, and manufacturing. Advanced concepts include safety and impact, drafting principles, manufacturing programming, CAD/CAM and CNC technologies, automation and robotics.

Box 2: All programs meet Box 2 requirements if students successfully complete 1 year.

Box 3: CTE Concentrator after 1 year. At the end of year 1, students complete the OSHA-10 Certification.

Vincennes dual credit will be awarded for the following courses:
CIMT100 Electronics for Automation (3 credits)
CIMT100L Electronics for Automation Lab (3 credits)
CIMT150 Electronic Applications for Manufacturing (2 credits)
CIMT150L Electronic Applications for Manufacturing Lab (1 credit)

HEALTHCARE SPECIALIST: CERTIFIED NURSING ASSISTANT (CNA) (2-Year Program) (IDOE COURSE NUMBER 7166 & 7255)
Program is returning to a two-year model. Students must participate for both years to earn the CNA certification
Approved by the Indiana State Department of Health, this program prepares students to successfully test for the Certified Nurse Aide Indiana State License. The program follows the 30 NATCEP (Nurse Aide Training Program Curriculum) preparing students to assist residents with acclivities of daily living. Mastery is accomplished through bookwork, hands-on activities and 90-hour clinical experience in a Skilled Nursing Facility.

Box 2: All programs meet Box 2 requirements if students successfully complete 1 year.

Box 3: Students who have completed this course sequence with a C average will earn CTE concentrator status for graduation (Box 3) requirements.

ITCC credit will be awarded for the following courses:
HLHS 100 Intro to Health Careers (3 credits)
HLHS 101 Medical Terminology (3 credits)
HLHS 104 CPR/Basic Life Support (.5 Credits)
HLHS 107 CNA Preparation (5 credits) & HLHS113 Dementia Care (3 credits)

HEALTHCARE SPECIALIST: EMERGENCY MED. TECHNICIAN (EMT) (1-Year Program) (IDOE COURSE NUMBER 7168, 5274, 7165)
Students who earn their EMT certification will be eligible to return for AEMT (EMT Capstone – Year 2). Students must turn 18 within 2 years of completing the course to be eligible for testing.
This program is designed for students desiring to perform emergency medical care. During the course students will learn to recognize the seriousness of a patient's condition, use appropriate emergency care techniques and equipment to stabilize the patient, and transport to the hospital. Students practice real-world situations utilizing the classroom ambulance as well as participate in ride-alongs with local ambulance organizations. At the end of the year, students test for their National EMT Certification. Students must be 18 years old at the time of testing.

Box 2: All programs meet Box 2 requirements if students successfully complete 1 year.

Box 3: students who have completed this course sequence with a C average will earn CTE concentrator status for graduation (Box 3) requirements.

ITCC dual credit will be awarded for the following course: **PARM 102 Emergency Medical Tech (7.5 credits)**

RADIO & TELEVISION (1-Year Program) (IDOE COURSE NUMBERS 7139, 7306 & 7307)
Principles of radio/tv provides introduction to the fundamentals of digital production for audio, video, studio and field production. Students will gain in-depth study on audio and video production techniques for radio, television, and digital technologies. Students will learn skills necessary for audio production and on-air work used in digital formats. Experience will be obtained through the development of the video production process; including skills in message development, directing, camera, video switcher, and character generator operations.

Box 2: All programs meet Box 2 requirements if students successfully complete 1 year.

Box 3: CTE Concentrator after 1 year. At the end of year 2, students complete the Adobe Premiere Pro Certification.

Vincennes dual credit will be awarded for the following courses:
BCST 102 Intro to Audio/Video Production (3 credits)
BCST 120 Audio Production (3 credits)
BCST 140 Video Production I (Studio) (3 credits)

UNDERGROUND LOCATING SERVICES (USIC) (1-Year Program) (IDOE COURSE NUMBER 7392, 7393, & 7394)
Seniors only: Must have a valid driver's license with a clean record.
Underground Utility Detection Services is a course that will offer hands-on activities and real-world experiences related to the skills essential in locating underground utilities. Students will be introduced to the history and traditions of utility types, installation methods and the theory of electromagnetic locating. They will also learn and apply knowledge of safe work techniques and industry-best practices. In addition, students are introduced to blueprint reading, electrical theory principles, locating equipment use and job site safety. Students will learn how locating underground utilities is necessary in the excavation and construction industry not only to keep excavators and homeowners safe while digging but also prevent the disruption of vital utility services such as electric, gas, phone, cable and fiber optics just to name a few. Upon successful completion of this course, students will have the skills and hands-on experience required to enter the Utility Locating industry. Students will also complete the requirements needed to obtain OSHA 10-hour card for general industry.

Box 2: All programs meet Box 2 requirements if students successfully complete 1 year.

Box 3: CTE Concentrator after 1 year. Students complete the OSHA-10 Certification.

No dual credit at this time.

WELDING Technology I & II (2-Year Program) **(IDOE COURSE NUMBER 7110, 7111, 7156 & 7226)**

This program includes classroom and laboratory experiences that develop a variety of skills in oxy-fuel cutting and basic welding. Moving on to shielded metal arc welding involving theory and application of the process, including basic electricity, power sources, electrode selection, and aspects pertaining to equipment operation and maintenance. Gas metal arc welding will include all settings, adjustments and maintenance needed to weld with a wire feed system. All instruction and hands on experience prepares the student for an American Welding Society certification.

Box 2: All programs meet Box 2 requirements if students successfully complete 1 year.

Box 3: CTE Concentrator after 2 years. At the end of year 2, students earn their American Welding Society Certificate.

ITCC dual credit will be awarded for the following courses:

WELD 100 Welding Fundamentals (3 credits) (Year 1)
WELD 108 Shielded Metal Arc Welding I (3 credits) (Year 1)
WELD 206 Adv Shielded Metal Arc Welding II (3 credits) (Year 1)
WELD 207 Gas Metal Arc (MIG) Welding (3 credits) (Year 2)
WELD 272 Advanced Gas Metal Welding II (3 credits) (Year 2)

EXTRACURRICULAR ACTIVITIES

Extracurricular participation is highly-encouraged. Joining a club or an organization is a great way to meet new people, have fun, and discover new things about your personality. Club participation can be used to meet the Box 2 requirement for Graduation Pathways. Students need to amass **8 points** (each point is worth 10 hours of participation). Students can accumulate points over 4 years and across multiple activities. Points start in July before freshmen year and run through the summer following senior year. Coaches and

sponsors can issue partial points. Students must actively engage with school-sponsored activities. Being on a roster is not enough to meet the Graduation Pathways requirement.

New Diplomas: If a student completes a Diploma Seal, then he/she does not have to complete Box 2 of Graduation Pathways.

Academic Team
Sponsors: Mike Bakker, Katie Harris, Keith Koszut kmharris@munsterschools.gov, kakoszut@munsterschools.gov, mrbakker@munsterschools.gov
The Munster High School Academic Team is open to all students grades 9-12 who desire to compete against other schools in several academic competitions – and between the four activities described here, the group has taken multiple state championships and a handful of high national rankings. Students may try out for a single activity or more than one. Currently, students compete in the annual TEAMS (Tests of Engineering Aptitude, Mathematics, and Science), in which small squads partake in a research-based essay, a multiple-choice exam, and a "build-and-perform" activity, all centered on a theme that changes each year. Students may also try out for Indiana Senior Academic Super Bowl, which involves squads answering timed multiple-choice questions in science, math, English, fine arts, and social studies, and all of these questions and topic areas focus on a theme that changes each year. Also, students may select MathCON, a competition that is focused on math problem solving, and allows for individuals to advance as far as a national championship round, held in Chicago. Finally, Academic Team also runs Science Olympiad, in which student teams of fifteen take on twenty-three events that may change from year to year, and a school can advance by winning their state tournament to a national tournament. 2 Points

American Sign Language Club
Sponsor(s): Hannah Fus (hcfus@munsterschools.gov)
Membership is open to all students who are interested in the culture & language used by American/Canadian deaf individuals. 1 Point

Art Club
Sponsor(s): Elena Lopez (emlopez@munsterschools.gov)
This club provides a means for students to express their creativity while representing the Arts within the school and community. Face painting, design, crafts, and sponsoring the annual MHS Art Show are some of the club's activities. 2 Points

Athletic Training Student Aide
Sponsor(s): Steve Young, ATC (sdyoung@munsterschools.gov) **& Brooke Lund, ATC** (bmlund@munsterschools.gov)
Interested in gaining hands-on experience with the realities of healthcare? Volunteering as an athletic training student aide will help you gain firsthand experience within the field of sports medicine here within the high school. Our student aide volunteers develop valuable skills in the areas of injury prevention, treatment, and rehabilitation. We have opportunities available that coordinate with the major sport seasons of Fall (July-Oct), Winter (Nov-Feb), and Spring (Mar-Jun). While we can only have a limited number of active aides during each season, we invite all interested parties to any educational opportunities we participate in. Up to 6 points

Auditorium Staff
Sponsor(s): Ray Palasz (rapalasz@munsterschools.gov)
The Auditorium Staff's purpose is to provide a well-trained staff to service to the people who use/rent the auditorium/theater facilities. Auditorium Staff members work in several fields of service including: Technical, Stage, and House.

Technical: This field includes Lighting and Sound/video work. Students will learn how to work the equipment and how to incorporate lights and sound into live shows. Stage: These students learn the operation of the counterweight system, the curtain, scenic, and people movement. They also learn to police and secure stage areas during performances, and to check and prepare the stage areas after productions, for future readiness. House: These students are the first link with the public, acting as ushers, box office staff, and concession functions of a show. Point value is based on involvement. Points are issued by auditorium director.

Balkan Culture Club
Sponsor(S): Koula Amanatidis Radoicic (kjamanatidisradoicic@munsterschools.gov)
The Balkan Culture Club is open to all students to learn and explore Balkan traditions and culture. Students will discuss language, food, culture, and history. 1 Point

Band

Sponsor(s): Adam Beaupré (agbeaupre@munsterschools.gov), Nolan Lehman (nmlehman@munsterschools.gov)
The band consists of the marching band, concert band, jazz band, pep band, and small ensembles. 8 Points

Best Buddies
Sponsor(s): Hannah Fus and Linda Ramos (hcfus@munsterschools.gov), (llramos@munsterschools.gov)
Best Buddies operates as a student-run friendship club which is actually a chapter of an international organization. It fosters friendships between students with and without intellectual disabilities. There is a monthly meeting and a monthly group activity. Point value is based on role within the club. (Associate – 2; Peer Buddy – 3; Buddy – 4)

Black Culture Club
Sponsor(s): Kristin LaFlech (kalaflech@munsterschools.gov)
This club serves to educate students on black issues and promote cultural preservation. This student run organization was formed to create a safe space for black students and their fellow classmates to enhance their understanding of black history and its importance in pop culture. 1 Point

Bowling Club
Sponsor(s): Kathleen LaPorte (kmlaporte@munsterschools.gov)
Munster Mustangs Bowling Club is for 6th to 12th grade boys and girls. We compete against other schools in the Greater Lake County Conference, which is part of Indiana High School Bowling. Each bowler may use house balls and shoes at no cost, for practice and matches at all four bowling alleys. Members are expected to attend two practices a week with one match scheduled for JV or Varsity each week once season starts. The season runs from September to January. Varsity can also earn a "letter" in bowling, with strong participation. Tournaments are an option for those seeking more experience. 6 points

Chess Club
Sponsor(s): Nicklaus Ronsen (naronsen@munsterschools.gov)
The Munster High School chess team is composed of students in grades 9-12 who desire to compete using their talents and problem-solving skills through the competitive game of chess. 1 Point

Chinese Culture Club (New)
Sponsor(s): Alyssa Scott, Jennifer Dettlo (alscott@munsterschools.gov), (jmdettlo@munsterschools.gov)
The Chinese Culture Club is open to all students to learn about Chinese culture, traditions and mannerisms. Students will discuss language, food and history. 1 Point

Chorale (SING and SONG)
Sponsor(s): Luke McGinnis (lpmcginnis@munsterschools.gov)
Munster High School has two extracurricular choral ensembles – SING (tenor/bass) and SONG (soprano/alto). Both groups sing a variety of repertoire from a cappella to cultural music from around the world for numerous civic and social groups throughout the Chicagoland region. In addition, SING and SONG are a regular part of the choral program and perform at all choral concerts. Membership is by audition with the choral director at the beginning of the school year. Membership in a school-day choir is strongly encouraged, although not a strict requirement. 2 Points

Christian Culture Club
Sponsor(s): Jeralyn Kroll (jskroll@munsterschools.gov)
This club is open to all students to learn and explore Christian heritage and culture. Students will discuss traditions, holidays, culture and history. Members are not required to be of the Christian faith. 1 point

Civics Club
Sponsor(s): Don Fortner, Kristen Szafasz (djfortner@munsterschools.gov), (kmszafasz@munsterschools.gov)
The Civics Club will educate current students in the voting process and current political issues. One goal is to increase the number of local voters within the club and region. It will also prepare members to have a strong civic community and the country as a whole.
1 Point

Class Executive Council (CEC)

Sponsor(s): Michael Coil, Susan Barankiewicz, Kyleen Nolan, Kristen Szafasz, Leigh Ann Westland (macoil@munsterschools.gov), (sabarankiewicz@munsterschools.gov), (kynolan@munsterschools.gov), (kmszafasz@munsterschools.gov), (lawestland@munsterschools.gov)
In May, student elections are held and each class votes for its class representatives for the following year. 1 Point

- Freshman: The freshman CEC decorates the commons and sells t-shirts for homecoming and may be involved in other activities throughout the year.
- Sophomore: The sophomore CEC participates in building and decorating float/playhouse/something else for the homecoming parade, sells homecoming t-shirts and may be involved in other activities throughout the year.
- Junior CEC: The junior CEC participates in building and decorating float/playhouse/something else for the homecoming parade, sells homecoming t-shirts and organizes the Junior/Senior Prom. The club may be involved in other activities throughout the year.
- Senior CEC: The Senior CEC participates in building and decorating float/playhouse/something else for the homecoming parade, sells homecoming t-shirts, organizes the senior banquet, and selects the class gift for the school.

Color Guard
Sponsor(s): Adam Beaupré (agbeaupre@munsterschools.gov), Kenzie Kot (Mackenzie.kot1@gmail.com)
This group complements the band with their colorful appearance and precision movements. Tryouts are held in the spring. 8 points

Creative Writing Club
Sponsor(s): Nichole Walters (nlwalters@munsterschools.gov)
The creative writing club will offer students a friendly and comfortable environment for developing their creative writing skills. Students will learn how to express themselves through writing, sharpen their writing skills, and receive constructive criticism for their work. 1 Point

Culture Cuisine Club
Sponsor(s): Rebecca McKeever (rsmckeever@munsterschools.gov)
This is a student-led group that looks at a culture each month. They meet and they talk about that culture and try to get kids from that culture to talk to the group. Then 2 weeks later we meet for food from that culture. 2 Points

CyberPatriot Team
Sponsor(s): Ryan Popa (rmpopa@munsterschools.gov)
CyberPatriot is the National Youth Cyber Education Program created by the Air Force Association to inspire K-12 students toward careers in cybersecurity or other science, technology, engineering, and mathematics (STEM) disciplines critical to our nation's future. At the core of the program is the National Youth Cyber Defense Competition, the nation's largest cyber defense competition that puts high school and middle school students in charge of securing virtual networks. 4 Points

Drug Abuse Resistance Education (D.A.R.E.) Role Model
Sponsor: D.A.R.E. Officer James Ghrist (jlghrist@munsterschools.gov)
D.A.R.E. Role Models are selected by school resource officers and staff to accompany the D.A.R.E. Officer to their former elementary or secondary schools to provide information about resisting peer pressure, responding to bullying, getting involved with positive activities, and making healthy choices. The students are selected based on academics, behavior, communication skills, and positive decision-making skills. Only a small group of students are selected to participate in this activity each semester. 1 Point

DECA
Sponsor(s): Ryan Popa (rmpopa@munsterschools.gov)
DECA is a student-centered organization whose program of leadership and personal development is designed for students with a career interest in marketing, management, hospitality, finance, entrepreneurship, and/or business administration. 3 Points
DOC 200
Sponsor(s): Don Fortner (djfortner@munsterschools.gov)
The DOC 200 Project is an officially designated Indiana Bicentennial Legacy Project. It was created by the Educational Director of the Munster Junior Historical Society to celebrate and honor Indiana's 200th birthday. Indiana students of all grades, including college, may participate in this exciting and unique character-building opportunity. This experience promotes the practice of fifty specific and important Life Skills that outstanding citizens demonstrate by showing responsibility, respect, a caring spirit, and a willingness to work

hard for the good of this nation and everyone in it. Students are given opportunities to practice and refine skills in the key areas of Integrity, Acceptance, Service, and Patriotism. 8 Points

Environmental Club
Sponsor(s): Michael Bakker (mrbakker@munsterschools.gov)
The Environmental Clubs goals are to bring awareness and understanding about the environment and the local, national, and global issues students face today in a fun learning environment beyond the classroom. The Environmental Club is open to all students who are interested. 2 Points

Fashion Club (New)
Sponsor(s): Abby Brosseau (adbrosseau@munsterschools.gov)
The Fashion Club allows students to learn about fashion design, management, sustainability and history. Students will learn skills in crocheting, hand-stitching, embroidery and sewing. 1 Point

Film Club
Sponsor(s): Ben Boruff (bwboruff@munsterschools.gov)
The Film Club regularly watches, discusses, and creates film. Film Club provides opportunities to learn about cinematography and film technique. 2 points

French Club
Sponsor(s): Jennifer Kennedy Cole (jmkennedycole@munsterschools.gov)
The French club celebrates French culture through activities including a cheese party, a holiday party, Mardi Gras festival, field trips, and picnic. 1 Point

Genders & Sexualities Alliance (GSA)
Sponsor(s): Ben Boruff (bwboruff@munsterschools.gov)
The GSA provides a place for students of the gay, lesbian, bisexual, transgender and allied community to meet for social, emotional and educational support. The GSA serves to create a school of safe and mutual respect by raising awareness on issues impacting the student body. 1 Point

HOSA
Sponsor(s): Dillon Thompson (dethompson@munsterschools.gov)
HOSA stands for Healthcare Occupations Students of America and is a club for any students interested in a career in the healthcare industry. Our goal is to promote students' interest in pursuing a career in healthcare through exploration of specialties and career options, guest speakers from the local medical field, and shadowing/volunteering opportunities. Through HOSA, we want members to gain hands-on experience and knowledge prior to college. These shadowing opportunities will aid them for college labs, internships, and even high school jobs. 1 Point

Jazz Ensemble and Jazz Band
Sponsor(s): Nolan Lehman (nmlehman@munsterschools.gov)
These select ensembles perform throughout the area and travel to university and state festivals and competitions. 3 points

Indian Culture Club (New)
Sponsor(s): Katie Harris (kmharris@munsterschools.gov)
The Indian Culture Club is open all students to learn about different aspects of Indian culture and life by focusing on prominent holidays, practices and activities that are prevalent in the Indian community. 1 point

Jewish Culture Club
Sponsor(s): Kelly Barnes (kabarnes@munsterschools.gov)
This club is open to all students to learn and explore Jewish heritage and culture. Students will discuss language, food, culture, and history. Members are not required to be of the Jewish faith. 1 Point

LINK Crew

Sponsor(s): Dillon Thompson, Kristen Szafasz (dethompson@munsterschools.gov), (kmszafasz@munsterschools.gov)
Link Crew is a yearlong high school transition program that welcomes freshmen and makes them feel comfortable throughout the first year of their high school experience. Built on the belief that students can help students succeed, Boomerang Project's proven high school transition program trains mentors from the junior and senior classes to be Link Crew leaders. As positive role models, Link Crew Leaders are mentors and student leaders who guide freshmen to discover what it takes to be a successful Munster student. 2 Points

Muslim Culture Club
Sponsor(s): Maria DeRosa-Bellahcen (mrderosa-bellahcen@munsterschools.gov)
This Muslim Culture Club is open to all students to learn and explore Muslim heritage and culture. Students will discuss traditions, culture, and history. Members are not required to be of the Islamic faith. 1 Point

Munster eSports
Sponsor(s): Alan Pischner (arpischner@munsterschools.gov)
The Munster Mustangs Esports teams compete in Rocket League, League of Legends, Overwatch, Hearthstone and other games. We have partnered with High School Esports League (HSEL) to play against 900+ high schools across the United States and Canada. 6 Points

Munster Mental Health Club
Sponsor(s): Ben Boruff (bwboruff@munsterschools.gov)
Bring Change to Mind- High School Program gives teens a platform to share their voices and raise awareness around mental health. Our goal is to empower students to educate one another, and their communities, and to create a culture of peer support within their schools. Together, we'll fight the stigma around mental illness. 1 point for members, 4 points for Leadership Team.

Munster Read and White Book Club
Sponsor(s): Kelly Hladek (kmhladek@munsterschools.gov)
The Read and White Book Club gathers together students who enjoy reading and discussing books, authors, and trends in young adult literature. Club members select books to enjoy reading as a group and recommend titles to each other. 2 Points

Munster Theater Company/Thespian Troupe #2861
Sponsor(s): Ray Palasz (rapalasz@munsterschools.gov)
The Munster Theater Company (MTC) usually produces three to four productions during the school year. The Thespian Troupe is an honorary society made up of students elected for their participation in the productions presented by the Munster Theater Company. Point value is based on involvement. Points are issued by AUD director (Max of 8).

Mustang Volunteer Project
Sponsor(s): Leigh Ann Westland (lawestland@munsterschools.gov)
Formerly Project X, the Munster Volunteer Project is a service organization geared toward helping the Munster community. 2 Points

National Honor Society
Sponsor(s): Val Pflum, Cameron Adams (cmadams@munsterschools.gov), (vmpflum@munsterschools.gov)
Juniors and seniors with a minimum grade point average of 3.25 are invited to become members of this honorary organization. Membership is based on scholarship, character, service and leadership. Induction of new members is held each spring. 2 Points

Orchestra
Sponsor(s): Maggie Kleinhenz (mekleinhenz@munsterschools.gov)
Orchestra (Philharmonic or Symphony) and Jazz Orchestra (after school) is available to students who play a string orchestral instrument. Students participate in concerts, public performances, district and state contests, rehearsals, organizational contests, and the annual spring musical. Students with experience on brass, woodwind, or percussion instruments may also be considered for membership. Audition may be required. 8 Points

Philosophy Club
Sponsor(s): Ben Boruff (bwboruff@munsterschools.gov)
Philosophy club is open to all MHS students. The group will explore the depths of philosophical ideologies while also having the opportunity to express their moral values and beliefs in a judge-free environment. Students will read, discussion, and discourse philosophical topics with the goal of developing tolerance and diverse thinking. 1 Point

Ping-Pong Club
Sponsor(s): Audrey Fuhs (aafuhs@munsterschools.gov)
This club will familiarize students with the equipment and rules of Ping-Pong. They will play individually or in pairs for fun or in tournaments. 1 Point

Poetry Club
Sponsor(s): Ben Boruff (bwboruff@munsterschools.gov)
Poetry Club intends to improve writing and public speaking abilities as well as boost confidence in students. The club will use these talents to expand creative horizons across the club and, in turn, across the school. 1 Point

Publications
Sponsor(s): Alexandra Sulewski (ansulewski@munsterschools.gov)
Students interested in working on the school newspaper or the school yearbook must first enroll in the journalism 1 or photography classes. The following year they will select to work for the Crier or the Paragon and enroll in Honors Journalism classes. 8 Points

Quill and Scroll
Sponsor(s): Alexandra Sulewski (ansulewski@munsterschools.gov)
The Quill and Scroll is an international high school journalism honorary organization in which students are selected on the basis of outstanding service to the Munster High School Journalism Department. (Points are awarded through Crier and/or Paragon.)

Raspberry Pi & Python Club
Sponsor(s): Koula Amanatidis-Radoicic (kjamanatidisradoicic@munsterschools.gov)
Students will work on automation programming projects which will cause students to gain knowledge of basic python programming as well as the skills needed to program various sensors, which can be applicable to many other programming projects. The format of the club also allows for students to work with a partner, building valuable cooperative and teamwork skills. 1 Point

Robotics Team
Sponsor(s): Josh Collier (jacollier@munsterschools.gov)
Membership is open to all students in grades 9-12 who have an interest in working with parents and community mentors to build a robot. The team will be divided into sub-teams which have specific responsibilities; Drive Team, Chassis Team, Electrical Team, Pneumatics Team, Playing Field Construction Team, Competition Team, Pit Crew, Programming Team, Animation Team, Web Team, and Scouting Team. 8 Points

S.A.D.D. (Students against Destructive Decision)
Sponsor(s): Kristen Szafasz (kmszafasz@munsterschools.gov)
SADD educates and promotes awareness of destructive decision making, such as drug & alcohol use and other activities that can harm students. 1 Point

Science Olympiad
Sponsor(s): Keith Koszut (kakoszut@munsterschools.gov)
This event asks a team of 15 students to compete in 20 different science categories including labs, environmental, physical, astronomical, biological, chemical and geological sciences. There are a number of 'building' events such as bottle rockets, mission possible, and tower building that ask students to build a superior structure or apparatus. Practice begins in the middle of the 1st semester and competitions begin in February. 8 Points

Spanish Club
Sponsor(s): Maria DeRosa-Bellahcen (mrderosa-bellahcen@munsterschools.gov)
Spanish Club is open to all students who are interested in learning more about the culture of the Spanish speaking world through games, projects, food, and lectures from guest speakers. 2 Points

Speech and Debate
Sponsor(s): Jordan Mayer (jgmayer@munsterschools.gov)
The Speech and Debate Team is an organization for all students who wish to enhance their speaking and/or acting skills by competing in speech and debate contests throughout the state and national levels. 8 Points

Snowflurry
Sponsors: D.A.R.E. Officer James Ghrist, Linda Bevil, Nicole Guernsey, and Kelly Boersma jlghrist@munsterschools.gov, lmbevil@munsterschools.gov, nmguernsey@munsterschools.gov, kaboersma@munsterschools.gov
The annual Snowflurry event is held in late February or early March each school year at Wilbur Wright Middle School and is an extension of the Munster Police Department's Drug Abuse Resistance Education (D.A.R.E.) Program. High school students can sign-up each January to volunteer for the event (there is a limited number accepted). During the event, fifth grade students from throughout Munster are led in a variety of both fun and educational activities by the high school student volunteers such as games, crafts, skits, and small group discussion on topics such as resisting peer pressure. Each volunteer is provided with a free volunteer t-shirt for assisting that day. 1 Point

Student Advisory Council (SAC)
Sponsor(s): Brian Clark (bmclark@munsterschools.gov)
The club acts on needs based on student voice relating to school safety and responsibility for a unified MHS community. 1 Point

Student Government
Sponsor(s): Kathleen LaPorte (KMLaporte@munsterschools.gov)
This is an elective body made up of students from grades 9-12. Elections are held in the spring with the exception of the freshman class who elects their representatives in the fall. Student Government members meet every week for a minimum of 30 minutes to discuss schoolwide events, philanthropic opportunities, and ways to improve our school culture and experiences for all students. This group is responsible for various events including but not limited to: Homecoming (Powderpuff, HOCO pep rally, HOCO parade, HOCO dance), Halloween Halls, Food Bank of NWI Food Drive, Red Cross Blood Drive, spirit days, and other events to benefit the community. 8 Points

Ultimate Frisbee Club
Sponsor(s): Steven Stepnoski (smstepnoski@munsterschools.gov)
Ultimate Frisbee Club is an inclusive, recreational club for students to enjoy the large-group game of Ultimate Frisbee. The club meets weekly outside in the fall and spring semesters for informal matches. If a student participates for both semesters, students will accumulate about 10 hours of participation or 1 Grad Pathway Point. 1 Point

Winter Guard
Sponsor(s): Adam Beaupre (agbeaupre@munsterschools.gov); Kenzie Kot (Mackenzie.kot1@gmail.com)
Winter guard combines elements of dance, flag spinning, and performance skills to create a competitive show choreographed to recorded music and performed in a gym. Auditions are held in November after the conclusion of the marching band season. 6 Points

Winter Percussion Ensemble
Sponsor(s): Adam Beaupre (agbeaupre@munsterschools.gov); Alan Frye (apfrye@munsterschools.gov)
The Winter Percussion Ensemble is an extracurricular ensemble that complements the band program. Winter Percussion is open to any student with prior instrumental experience (percussion, piano). Students learn a program of music each year and compete in the Indiana Percussion Association circuit. Rehearsals begin in December and finish with the end of the competitive season in April. 8 points