

2024-2025

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 2/7/2024

Table of Contents

Staff	3
Guidance Services	4
Graduation Pathways	5-10
4-Year Plan	11
Course Descriptions	12 thru 35
Business and Computer Science	12-14
Family and Consumer Science	14-15
Fine Arts & Music	15-17
Visual Arts	17-19
World Languages	19-21
English Language Arts	21-25
Math	25-27
Physical Education	27-28
Science	29-32
Social Studies	32-34
Pre-Engineering and Technology Education	34-35
Multidisciplinary	35
MHS Dual Credit Crosswalk	36
Area Career Center of Hammond Offerings	37-40
Munster High School Clubs	41-46

High School Administration

PRINCIPAL

Mr. Morgan Nolan (monolan@munster.us)

ASST. PRINCIPAL in STUDENT SERVICES

Mr. Brian Clark (bmclark@munster.us)

DEANS

Mr. Brad Docter (bjdocter@munster.us)

Ms. Helen Fuller (hjfuller@munster.us)

ASST. PRINCIPAL in GUIDANCE

Mr. Robert Snyder (rcsnyder@munster.us)

SECONDARY COORDINATOR of EXCEPTIONAL NEEDS

Ms. Marianne Orfanos (meorfanos@munster.us)

ATHLETIC DIRECTORS

Mr. Mike Schultz (mbschultz@munster.us)

Ms. Beth Raspopovich (braspopovich@munster.us)

OFFICE (219) 836-3200

STUDENT SERVICES (219) 836-1450

GUIDANCE (219) 836-3209

ATHLETICS (219) 836-3206

Guidance Department

SCHOOL COUNSELORS

Ms. Chrisanne Terry A-Co (cnterry@munster.us)

Mr. Peter Gregory Cp-Hi (pkgregory@munster.us)

Mrs. Elizabeth Keleher Hj-Mn (epkeleher@munster.us)

Ms. Cynthia Kielbasa Mo-Sa (clkielbasa@munster.us)

Mrs. Kristen Salan Sc-Z (kmsalan@munster.us)

SCHOOL SERVICE PROVIDER

Mrs. Kristan Reed (khreed@munster.us)

GUIDANCE OFFICE STAFF

Mrs. Nicolette Olson (ndolson@munster.us)

Mrs. Maureen Gaither (mmgaiter@munster.us)

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 2023-2024.
- Counselors will meet with freshmen in small groups in September 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 & Beyond

(This section of the course guide is subject to revision as more information becomes available.)



INDIANA STATE BOARD OF EDUCATION

GRADUATION PATHWAYS PANEL

(Updated 11/16/2018)

The purpose for this Panel is to establish graduation pathway recommendations for the State Board of Education that create an educated and talented workforce able not just to meet the needs of business and higher education, but able to succeed in all postsecondary endeavors. To account for the rapidly changing, global economy, every K-12 student needs to be given the tools to succeed in some form of quality postsecondary education and training, including an industry recognized certificate program, an associate's degree program, or a bachelor's degree program.

These recommendations seek to ensure that every Hoosier student graduates from high school with 1) a broad **awareness** of and **engagement** with individual career interests and associated career options, 2) a strong foundation of **academic** and **technical skills**, and 3) **demonstrable employability skills** that lead directly to meaningful opportunities for postsecondary education, training, and gainful employment.

Students in the graduating class of 2023 must satisfy all three of the following Graduation Pathway Requirements by completing one of the associated Pathway Options:

Graduation Requirements	Graduation Pathway Options
1) High School Diploma	Meet the statutorily defined diploma credit and curricular requirements.
2) Learn and Demonstrate Employability Skills¹ (Students must complete <u>at least one</u> of the following.)	Learn employability skills standards through locally developed programs. Employability skills are demonstrated by <u>one</u> the following: <ul style="list-style-type: none"> • Project-Based Learning Experience; OR • Service-Based Learning Experience; OR • Work-Based Learning Experience.²
3) Postsecondary-Ready Competencies³ (Students must complete <u>at least one</u> of the following.)	<ul style="list-style-type: none"> • Honors Diploma: Fulfill all requirements of either the Academic or Technical Honors diploma; OR • ACT: College-ready benchmarks; OR • SAT: College-ready benchmarks; OR • ASVAB: Earn at least a minimum AFQT score to qualify for placement into one of the branches of the US military; OR • State- and Industry-recognized Credential or Certification; OR • Federally-recognized Apprenticeship; OR • Career-Technical Education Concentrator⁴: Must earn a C <u>average</u> in at least two non-duplicative advanced courses (courses beyond an introductory course) within a particular program or program of study; OR • AP/IB/Dual Credit/Cambridge International courses⁵ or CLEP Exams: Must earn a C <u>average</u> or higher in at least three courses; OR • Locally created pathway that meets the framework from and earns the approval of the State Board of Education.

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 TECHNICAL HONORS	CORE 40 WITH ACADEMIC HONORS
ENGLISH	8 CREDITS English 9/Pre-AP, 10/Pre-AP, 11/AP, & 12/AP	8 CREDITS English 9/Pre-AP, 10/Pre-AP, 11/AP, & 12/AP	8 CREDITS English 9/Pre-AP, 10/Pre-AP, 11/AP, & 12/AP
MATH	6 CREDITS Algebra I/Pre-AP Geometry/Pre-AP Algebra II/Pre-AP <i>*Students must take a math or quantitative reasoning course each year in high school.</i>	6 CREDITS Algebra I/Pre-AP Geometry/Pre-AP Algebra II/Pre-AP <i>*Students must take a math or quantitative reasoning course each year in high school.</i>	8 CREDITS Algebra I/Pre-AP Geometry/Pre-AP Algebra II /Pre-AP Precalculus OR Trig & Stats OR AP STATS <i>*Students must take a math or quantitative reasoning course each year in high school.</i>
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 <i>See Sci Depart for additional courses</i>	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 <i>See Sci Depart for additional courses</i>	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 <i>See Sci Depart for additional courses</i>
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 <i>6 CREDITS MUST BE IN A STATE-APPROVED PATHWAY</i>	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 transcribed 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.

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/voluntary 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 (51 st percentile)	c. Math 22 (71 st percentile)
b. Reading 22 (64 th percentile)	d. Science 23 (74 th percentile)
3. Achieve SAT Benchmark scores of the following (super-scoring allowed):

a. English 480 (41 st percentile)	b. Math 530 (71 st 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 2023 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	d. Air Force 36
b. Marines 31	e. Coast Guard 45
c. Navy 35	

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)
- 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
- Small Business 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
- Understanding Diversity
- Relationships and Emotions

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 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/>

MHS 4-YEAR PLAN SHEET

9 th 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.
10 th 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.
11 th 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.
12 th 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

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)*

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)*

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)*

INFORMATION TECHNOLOGY INTERNSHIP

(IDOE#: 5974)

S

12

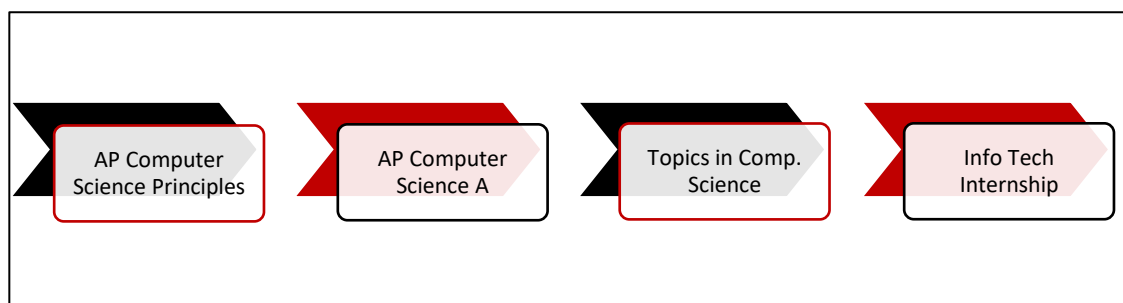
Prerequisite: Students must complete the Computer Science Sequence below. *AP Computer Science Principles and AP Computer Science A must be completed prior to requesting the internship opportunity. Students can concurrently enroll in Topics in Computer Science. An application is required. Placement will 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.

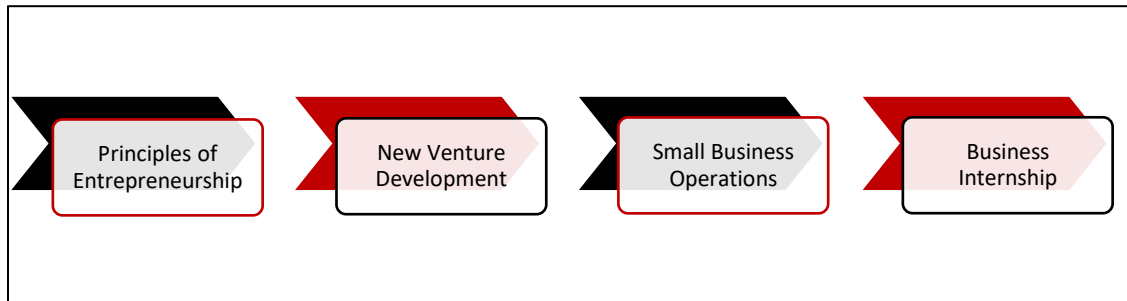
Computer Science Sequence



PRINCIPLES OF BUSINESS MANAGEMENT	(IDOE#: 4562)	Y	9, 10, 11, 12
<i>*Federal funding requires the disclosure of student social security number to enroll in this class.</i>			
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. <i>Concurrent Enrollment- Ivy Tech (BUSN 101) (3 credits)</i>			
MARKETING FUNDAMENTALS	(IDOE#: 5914)	Y	10, 11, 12
<i>Prerequisite: Principles of Business Management. Class can also be taken concurrently with Principles of Business Management.</i>			
<i>*Federal funding requires the disclosure of student social security number to enroll in this class.</i>			
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. <i>Concurrent Enrollment- Ivy Tech* (MKTG 101) (3 credits)</i>			
SPORTS AND ENTERTAINMENT MARKETING	(IDOE#: 5984)	Y	10, 11, 12
<i>Prerequisite: Marketing Fundamentals. Per the DOE, students must successfully complete Marketing Fundamentals before enrolling in Sports/Entertainment Marketing.</i>			
<i>*Federal funding requires the disclosure of student social security number to enroll in this class.</i>			
This course is a specialized marketing course that develops student understanding of the sport/event industries, their economic impact, and products; distribution systems and strategies; pricing considerations; product/service management, and promotion. Students acquire an understanding and appreciation for planning. Students are presented problem-solving situations for which they must apply academic and critical-thinking skills.			
PRINCIPLES OF ENTREPRENEURSHIP	(IDOE#: 7154)	Y	9, 10, 11, 12
Course 1 in the Entrepreneurship Pathway			
<i>*Federal funding requires the disclosure of student social security number to enroll</i>			
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.			
<i>Concurrent Enrollment- Ivy Tech* (ENTR 100 & ENTR 200) (5 credits per semester; 10 credits total)</i>			
NEW VENTURE DEVELOPMENT	(IDOE#: 7148)		10, 11, 12
<i>Prerequisite: Principles of Entrepreneurship</i>		Y	
Course 2 in the Entrepreneurship Pathway			
<i>*Federal funding requires the disclosure of student social security number to enroll</i>			
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."			
<i>Concurrent Enrollment- Ivy Tech* (ENTR 215) (6 credits awarded at the end of the year.)</i>			
SMALL BUSINESS OPERATIONS	(IDOE#: 7147)		11, 12
<i>New for 2023-2024</i>			
<i>Prerequisite: Principles of Entrepreneurship & New Venture Development</i>		Y	
Course 3 in the Entrepreneurship Pathway			
<i>*Federal funding requires the disclosure of student social security number to enroll</i>			
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.			
<i>Concurrent Enrollment- Ivy Tech* (ENTR 220) (5 credits awarded at the end of the year.)</i>			
BUSINESS INTERNSHIP	(IDOE#: 5974)	S	12
<i>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.</i>			
<i>*Federal funding requires the disclosure of student social security number to enroll in this class.</i>			

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, 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.

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.

UNDERSTANDING DIVERSITY		(IDOE#:7174)	Y	10, 11, 12
--------------------------------	--	---------------------	----------	-------------------

New for 2023-2024

Prerequisite: Principles of Human Services

Course 2 OR 3 in the Human and Social Services Pathway

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

Understanding Diversity encourages 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.

RELATIONSHIPS AND EMOTIONS		(IDOE#:7177)	Y	10, 11, 12
-----------------------------------	--	---------------------	----------	-------------------

New for 2023-2024

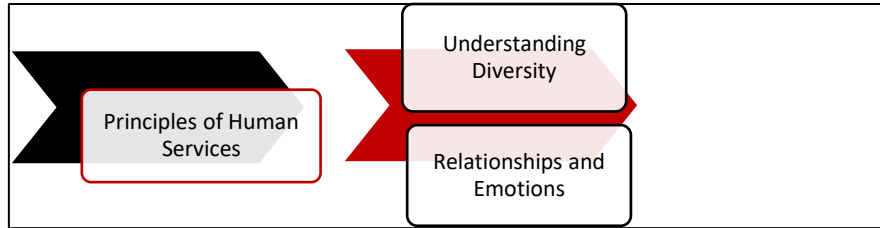
Prerequisite: Principles of Human Services

Course 2 OR 3 in the Human and Social Services Pathway

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

Relationship & Emotions examines the key elements of healthy relationships. Explores the main problems that damage relationships. Presents research findings on successful and unsuccessful relationships, and emotional connections. Explores the impact of one's emotional and relationship history on current and future romantic relationships. Presents practical, scientific-based skills for improving relationships. Additionally, this course offers practical and useful information for people who have experienced loss. Students have the opportunity to evaluate their own experiences and attitudes toward loss and grief.

Human Services Pathway



ADULT ROLES AND RESPONSIBILITIES

(IDOE#: 5330)

S

9, 10, 11, 12

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

This class focuses on preparing students for life outside of high school by teaching the importance of values, goals, decision-making, and management. Adult Roles and Responsibilities is recommended for all students as life foundations and academic enrichment, and as a career sequence course for students with interest in family and community services, personal and family finance, and similar areas. This course builds knowledge, skills, attitudes, and behaviors that students will need as they complete high school and prepare to take the next steps toward adulthood in today's society. The course includes the study of interpersonal standards, lifespan roles and responsibilities, individual and family resource management, and financial responsibility and resources.

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

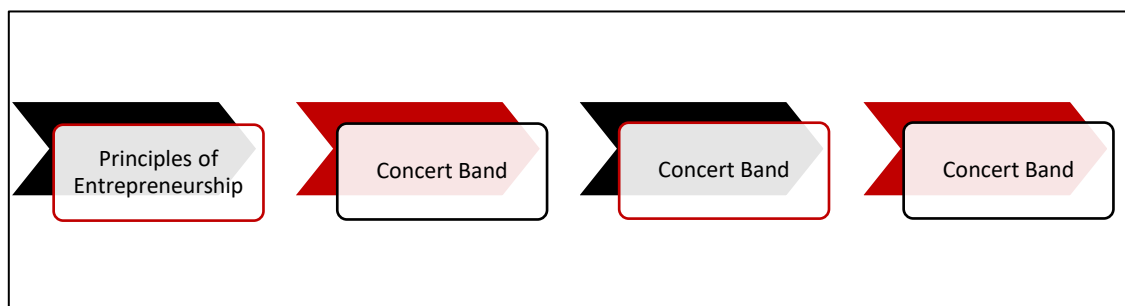
This course is a semester-long study of piano and keyboard performance. Students will learn all major scales, minor scales, chords and inversions, three or four piano solos, a piano solo that will be transcribed (written down by listening). In addition, students will learn basic music notation and terminology. No music experience is necessary, but students who have had piano will be placed (solo-wise) at their level of experience.

***Counts as a Fine Arts Credit**

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

During the first semester, all students will be involved in this co-curricular ensemble. The marching band performs at community events such as ISMAA sanctioned events, parades, pep rallies, football games. District, Regional, Semi-State and State. Attendance at scheduled rehearsals and performances is required and is considered part of the student's grade.

The two concert bands at MHS are the Wind Ensemble and the Symphonic Band. Placement in these two bands will be by audition at the conclusion of the marching band season. 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. ***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**

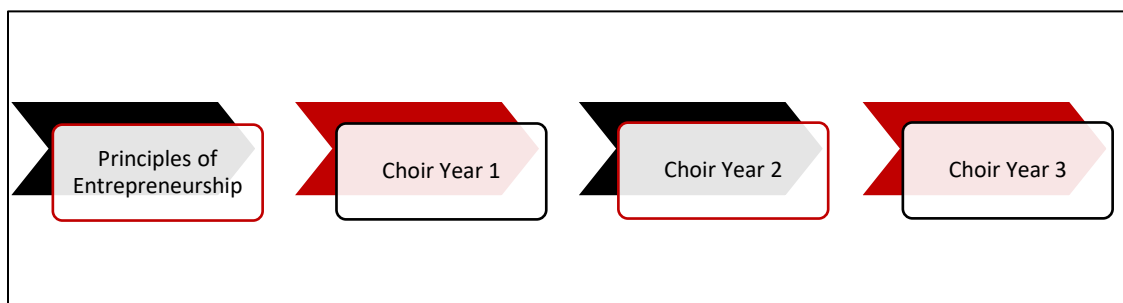
Prerequisite: 2 Semesters of High School Choir or Director Recommendation.

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**

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

Philharmonic Orchestra is an intermediate level course open to students who have minimum two years' experience playing orchestral string instruments either in an ensemble or through private lessons. 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 Organizational Contest in April playing Group II or III music. Students taking this course are required to perform at Group ISSMA Contest, evening concerts, and June Commencement. Students have the opportunity to audition for Symphony Orchestra. ***Counts as a Fine Arts Credit**

ORCHESTRA (SYMPHONY)

(IDOE#: 4174)

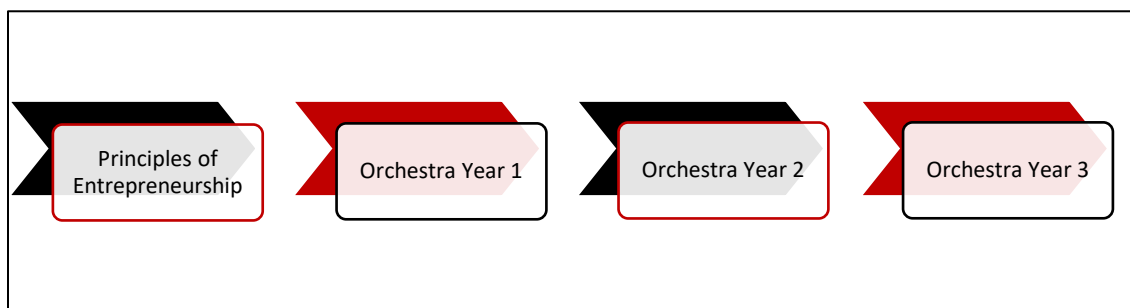
Y

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. 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 encouraged in addition to meeting with the full ensemble. The MHS Symphony Orchestra competes in the ISSMA Jazz Orchestra Organizational in March and Large Ensemble Organizational Contest 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 June Commencement. Additional rehearsals can be scheduled outside of the school day. ***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**

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 are able to 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**

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)

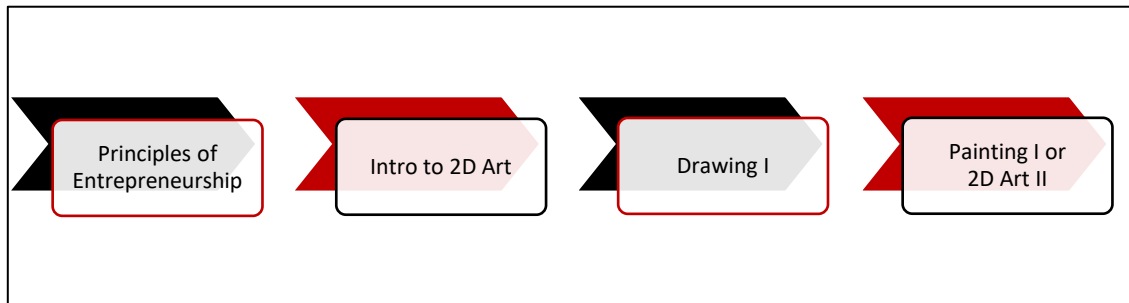
S

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*

Student 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 provides an introduction to 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

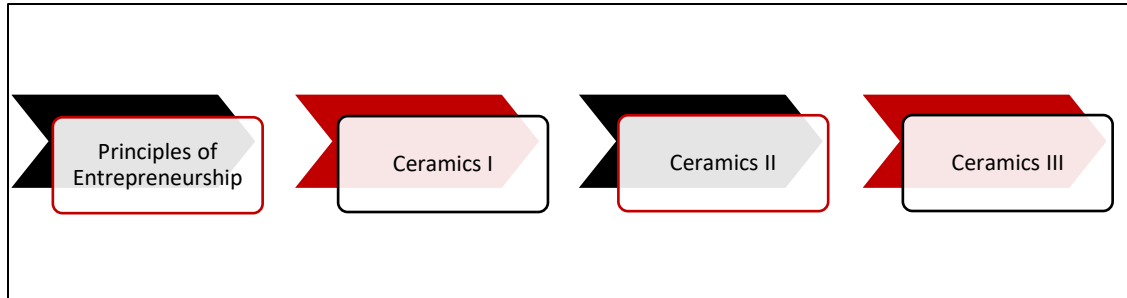
9, 10, 11, 12

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 3**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 complete 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.

AMERICAN SIGN LANGUAGE II**(IDOE#: 2158)****Y****11, 12****Prerequisite: "C-" each semester in ASL I. Must maintain "C-" in semester 1 to remain in the course.**

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.

FRENCH I	(IDOE#: 2020)	Y	9, 10, 11, 12
<i>Must maintain "C-" in semester 1 to remain in the course.</i>			
This course emphasizes basic conversational ability, reading, and writing. Students should be able to speak and understand basic French. Repetition and mimicry of sound patterns are used to develop verbal and listening skills. Course content focuses on such cultural aspects as French customs, geography, history, holidays, and cooking.			
FRENCH II	(IDOE#: 2022)	Y	9, 10, 11, 12
<i>Prerequisite: "C-" in each semester in French I. Must maintain "C-" in semester 1 to remain in the course.</i>			
French II presents more advanced grammar and new vocabulary to help students develop advanced conversational skills. Cultural differences between France and America are explored through readings and projects.			
FRENCH III	(IDOE#: 2024)	Y	10, 11, 12
<i>Prerequisite: "C-" in each semester in French II. Must maintain "C-" in semester 1 to remain in the course.</i>			
These classes are conducted in French as much as possible. A mastery of the basics is assumed at this level. Reading, writing, and conversation skills are emphasized. French literature is introduced, incorporating reading, pronunciation, translation, discussion, and writing.			
<i>Concurrent Enrollment- Ivy Tech Community College* (FREN 101 and 102) (8 credits total)</i>			
ADVANCED FRENCH IV	(IDOE#: 2026)	Y	11, 12
<i>Prerequisite: "B-" in each semester in French III. Must maintain "C-" in semester 1 to remain in the course.</i>			
These classes are conducted primarily in French. The study of French literature is continued, incorporating pronunciation, reading, translation, discussion, and writing skills. An emphasis is placed on reading, writing, and conversational skills. <i>This is a weighted course.</i>			
<i>Concurrent Enrollment- Ivy Tech Community College (FREN 201 and 202) (6 credits)</i>			
ADVANCED FRENCH V	(IDOE#: 2028)	Y	12
<i>Prerequisite: "B-" in each semester in French IV. Must maintain "C-" in semester 1 to remain in the course.</i>			
These classes are conducted primarily in French. Course content focuses on refining skills in literature, grammar, and conversation. Literary selections span the 17th to 20th centuries, from Moliere to Sartre. The course also explores contributions of the French culture. Vocabulary and advanced grammar are covered to help students prepare for the AP French exam and college placement exams. <i>This is a weighted course.</i>			
SPANISH I	(IDOE#: 2120)	Y	9, 10, 11, 12
<i>Must maintain "C-" in semester 1 to remain in the course.</i>			
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.			
SPANISH II	(IDOE#: 2122)	Y	9, 10, 11, 12
<i>Prerequisite: "C-" in each semester in Spanish I. Must maintain "C-" in semester 1 to remain in the course.</i>			
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.			
SPANISH III	(IDOE#: 2124)	Y	10, 11, 12
<i>Prerequisite: "C-" in Spanish II. Must maintain "C-" in semester 1 to remain in the course.</i>			
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. <i>Concurrent Enrollment- Ivy Tech Community College (SPAN 101 and 102) (8 credits total)</i>			
ADVANCED SPANISH IV	(IDOE#: 2126)	Y	11, 12
<i>Prerequisite: "B-" in Spanish III. Must maintain "C-" in semester 1 to remain in the course.</i>			
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. <i>This is a weighted course. Concurrent Enrollment- Ivy Tech Community College* (SPAN 201 and 202) (6 credits)</i>			

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.*

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, short stories, drama, nonfiction sections, 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, English 9 serves as the gateway course to identify and address weaknesses in reading and writing skills before the Grade 10 ISTEP. English 9 meets the graduation requirement for the Core 40 Diploma.

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 English in 11th and 12th grade.

Recommended Prerequisite: Students testing 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 on 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.*

ENGLISH 9-i**(IDOE#: 1002)****Y****9**

Placement based on 8th grade testing data and past performance.

English 9-i encompasses a comprehensive study of grammar, short composition, and literature that emphasizes reading, writing, discussion, listening, and speaking activities. Students read several major works, short stories, informational texts, plays, and poems. Formal grammar instruction reviews basic grammar and builds on mastery of grammatical concepts. A weekly study of vocabulary terms is integrated into the class. Although the course is organized into contextual units, all aspects of English study are integrated, particularly the speaking and writing units, which are based on the students' reading material. Finally, English 9i serves as the gateway course to identify and address weaknesses in reading and writing skills before the SAT School Day in 11th grade. English 9-i meets the graduation requirement for the Core 40 Diploma.

DEVELOPMENTAL READING**(IDOE#: 1120)****Y****9**

Taken concurrently with English 9-i.

This class is designed to develop or improve the skills of readers testing below grade level. Skills are developed in vocabulary, reading fluency, silent reading, and reading comprehension. Daily reading in class is required, along with homework assignments. Both the practical and pleasurable aspects of reading are emphasized utilizing the research-based Reading Plus reading program. Reading Plus is a web-based program that transforms how, what, and why students read. It is the only Common Core 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 (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.

PRE-AP ENGLISH 10	(IDOE#: 1004)	Y	10
<i>This course will utilize curriculum and materials provided by College Board. Students should plan to take AP English in 11th and 12th grade.</i>			
<i>Recommended Prerequisite: Students testing at the 75th-percentile or higher should consider enrolling in this course.</i>			
Pre-AP English 10 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 10 serves as the course to diagnose and address gaps in reading and writing before taking the AP English courses. Pre-AP English 10 meets the graduation requirement for the Core 40 Diploma with Honors. <i>This is a weighted course.</i>			
ENGLISH 10-i	(IDOE#: 1004)	Y	10
<i>Placement based on 9th grade English PSAT scores and teacher recommendation.</i>			
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 11 th 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.			
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
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. <i>Concurrent Enrollment- Ivy Tech Community College (ENGL 111) (3 credits) (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.)</i>			
AP ENGLISH LANGUAGE & COMPOSITION	(IDOE#: 1056)	Y	11
<i>Recommended Prerequisite: "B-" in Pre-AP English 10 or "A-" in English 10.</i>			
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. <i>Concurrent Enrollment- Purdue Northwest (ENG 104) (3 credits). This is a weighted course.</i>			
COMPOSITION	(IDOE#: 1098)	S	12
<i>Required for Senior Year</i>			
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. **Concurrent Enrollment- Ivy Tech Community College (ENGL 215) (3 credits)**

Must complete ENGLISH 11 (ENGL 111) through Ivy Tech or AP ENGLISH LANG-COMP (ENG 104) through Purdue Northwest for dual credit.

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

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

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. **Concurrent Enrollment- Purdue Northwest (ENG 231) (3 credits). 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.**

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

Required for Senior Year

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.

Concurrent Enrollment- Ivy Tech Community College (ENGL 206) (3 credits). Must complete English 11 (ENGL 111) through Ivy Tech to qualify for ENGL 206).

SPEECH	(IDOE#: 1076)	S	9, 10, 11, 12
---------------	----------------------	----------	----------------------

Speech is designed to help students speak and listen more effectively, intelligently, and responsibly. The overall goal of the course is to produce students who can communicate effectively one-on-one, in small groups, or in a large-group setting. Skills taught include interpretive reading, speech etiquette, body motion, voice usage, research, organization of materials, group dynamics, parliamentary procedure, job interviewing, and the art of persuasion. Speech meets the speech communications graduation requirement for Munster High School. **This course can be taken one time only.**

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

No prerequisite; Not weighted. Students must participate in 2 meets and regular practices outside of school hours. Generally, runs semester 1 only.

Advanced Speech Communications is for those who participate in competitive speech. Students are required to attend competitions during the semester. Students are introduced to all categories of competitive speaking and will be assigned at least two competition speeches. Instruction is individualized based on competition category. In addition, students learn the fundamentals of public speaking, including speech etiquette, body motion, voice usage, research, organization of materials, group dynamics, job interviewing, and the art of persuasion. Evaluation is based on class work, application of effective speech techniques, improvement in skills, and tournament performance. **This course can be taken one time only. This is a core class for the Indiana College Core (ICC) Certificate. Concurrent Enrollment-Ivy Tech Community College (COMM 101) (3 credits)**

DEBATE	(IDOE#: 1070)	S	9, 10, 11, 12
---------------	----------------------	----------	----------------------

Debate introduces the fundamentals of argumentation. Students explore Extemporaneous Speaking, Discussion, Public Forum Debate, Extemporaneous Debate, and Congressional Debate. National debate resolutions will be used in the formation of affirmative and negative cases; students are expected to debate both sides of the resolution in class. Students will learn to create logical, persuasive arguments in a persuasive speaking environment, and they will be encouraged to participate in extracurricular competition.

COMPETITIVE DEBATE	(IDOE#: 1070)	S	10, 11, 12
---------------------------	----------------------	----------	-------------------

Prerequisite: Prior debate experience (class or competitive) and participation in co-curricular debate competition in the fall OR successful completion of the introductory debate class.

Students will refine debate skills and are expected to participate in extracurricular speech and debate. Advanced debaters will participate in independent collaborative projects, advanced research activities, and will mentor novice debaters.

CREATIVE WRITING

(IDOE#: 1092)

S

9, 10, 11, 12

Prerequisite: "C-" in previous semester of English

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 feeds 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. *Concurrent Enrollment-Ivy Tech Community College (ENGL 202) (3 credits)*

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.

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), and ethics in the first nine weeks. The second nine weeks concentrates on developing 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.

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.

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 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. **This is a weighted course.**

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

Placement based on middle school grades and standardized test scores (NWEA, INVIEW).

This entry-level math class covers the same material as Algebra I and must be taken concurrently with Algebra 1 Lab. Special attention is given to SAT multi-step analytical questions, study skills, and foundational concepts.

ALGEBRA 1 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.

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, formal and 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, coordinate geometry, perimeter and area, and three-dimensional solids. Special attention is given to SAT multi-step analytical questions.

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 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. The course includes a unity of statistics and probability to support students' understanding concepts essential to quantitative literacy. 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. **This is a weighted course.**

ALGEBRA II	(IDOE#: 2522)	Y	9, 10, 11, 12
<i>Prerequisites: Passed Geometry and “C-” in both semesters in Algebra I.</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.			
ALGEBRA II-i	(IDOE#: 2522)	Y	11, 12
<i>Prerequisites: Passed Algebra I and Geometry.</i>			
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.			
Placement in this course is determined through the Guidance Office and based on past math sequence, test scores, and availability. Students taking this course are not eligible to enroll in Pre-Calculus. Students can enroll in Probability and Statistics and Trigonometry. This course is not approved by the NCAA. Students who are looking to compete in sports after high school must enroll in traditional Algebra II.			
PRE-AP ALGEBRA II	(IDOE#: 2522)	Y	10, 11
<i>New for 2024-2025. Replaces Algebra II Honors.</i>			
<i>This course will utilize curriculum and materials provided by College Board. Students should plan to take AP Calculus or AP Statistics.</i>			
<i>Recommended Prerequisite: This is the third class in the Pre-AP Mathematics sequence.</i>			
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, Trigonometric Functions, and Matrices and their Applications. This course aims to prepare students for upper quantitative reasoning in mathematics, science, and computer science. <i>This is a weighted course.</i>			
PRE-CALCULUS: ALGEBRA & TRIGONOMETRY	(IDOE#: 2564 & 2566)	Y	11, 12
<i>Prerequisites: “B-” in both semesters in Algebra II</i>			
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 for use at home. Special attention is given to SAT multi-step analytical questions. <i>Concurrent Enrollment-Ivy Tech Community College (MA 136/137) (6 credits)</i>			
HONORS PRE-CALCULUS: ALGEBRA & TRIGONOMETRY	(IDOE#: 2564 & 2566)	Y	11, 12
<i>Prerequisite: “B-” in both semesters in Honors Algebra II or placement based on STM high-ability student identification process.</i>			
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 for use at home. <i>This is a weighted course. Concurrent Enrollment-Ivy Tech Community College (MA 136/137) (6 credits)</i>			
TRIGONOMETRY	(IDOE#: 2566)	S	11, 12
<i>Prerequisite: “C-” in both semesters in Algebra II or Algebra 2i.</i>			
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.			
<i>Concurrent Enrollment-Ivy Tech Community College (MA 137) (3 credits)</i>			
PROBABILITY & STATISTICS	(IDOE#: 2546)	S	11, 12
<i>Prerequisite: Passed both semesters of Algebra II or Algebra 2i.</i>			
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.			
AP STATISTICS	(IDOE#: 2570)	Y	11, 12
<i>Recommended Prerequisite: “B-” in both semesters in Algebra II or “C-” in both semesters in Honors Algebra II.</i>			
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 for use at home. The Media Center has some availability			

to check these out to students. **(QR Course) This is a weighted course. Concurrent Enrollment-Purdue Northwest (STAT 301) (3 credits) (The course costs \$300 on average for dual credit.)**

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.

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 for use outside of class. The Media Center has some availability to check these out to students. **(QR Course) This is a weighted course. Concurrent Enrollment-Ivy Tech Community College (MA 211) (4 credits)**

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.

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.**

Concurrent Enrollment- Ivy Tech Community College (MA 211 & 212) (8 credits)

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

New for 2024-2025

Student athletes can take this class in place of PE I & PE II.

This entry-level 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 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. In-season, it allows for student-athletes to maintain strength gains while allowing them to gain strength. Off-season, it allows student-athletes to push themselves to create the strength gains that will benefit their sport performance and mitigate the risk of injury. 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.**

PE Elective: Physical Conditioning I & II (IDOE#: 3560) S 10, 11, 12

New for 2024-2025

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

Physical Conditioning I and II is structured for upperclassmen and any student-athlete who has been through the strength program. 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 student-athletes 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. Whether in-season or off-season, it prevents extended practice time and allows for recovery before practice and games. Students may repeat this course each semester of high school.

PE Elective: Physical Conditioning No Credit I & II

(IDOE#: NA)

S

10, 11, 12

New for 2024-2025

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-athletes are required to uphold the same expectations and standards as the students-athletes 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.

PE ELECTIVE: INTRODUCTION TO SPORTS OFFICIATING

(IDOE#: 3560)

S

10, 11, 12

Prerequisite: Physical Education I and II.

This semester-long class allows for students to learn about officiating and to test for certification. Students will learn how to officiate up to **three sports** while developing leadership, time-management, and conflict resolution skills. Students will complete web-based modules, interactives, and activities to understand the mechanics and philosophy of officiating. Learners are provided with engaging classroom activities and will complete comprehension quizzes at the end of each module. Students may be required to officiate real games in a recreational or community league as micro-internships. Many student athletes have benefited from adults who were willing to officiate games, and this is an opportunity for high school students to pay-back into that community system.

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

New for 2023-2024

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

New for 2023-2024

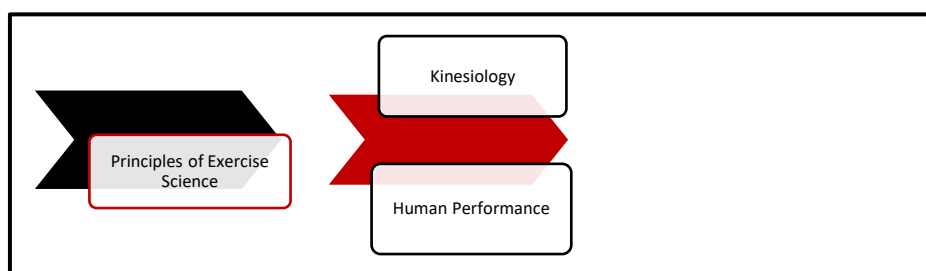
Course 3 in the Exercise Science Pathway

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.			
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.			
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 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.			
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.			
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 will benefit from taking Chemistry, Microbiology, and Human Genetics prior to taking this course. (QR Course) This is a weighted course.			
Concurrent Enrollment- Ivy Tech Community College (BIOL 105) (5 credits)			
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)			
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. Content core topics: (1) properties and states of matter, (2) atomic structure and the periodic table, (3) bonding and molecular structure, (4) reactions and stoichiometry, (5) behavior of gases, (6) thermochemistry, (7) solutions, and (8) acids and bases. Emphasis is placed on posing and defining problems, developing useful models and using tools, constructing and performing investigations, analyzing and interpreting data, using computational reason and mathematical routines, constructing explanations, engaging in evidenced-based argumentation, and obtaining, evaluating and communicating information. (QR 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 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. Three big ideas are addressed: the structure and properties of matter; the transfer of energy during physical and chemical process; and the transformation of matter. 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.			
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.			
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.*
Concurrent Enrollment- Ivy Tech Community College (CHEM 105) (5 credits)

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. [\(QR Course\)](#)

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.*

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

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

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.*

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*

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.*

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.*

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.

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.

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.*

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.

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 examine the interactions of human body systems as they explore identity, 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. This course is designed for 10th or 11th grade students.

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.**

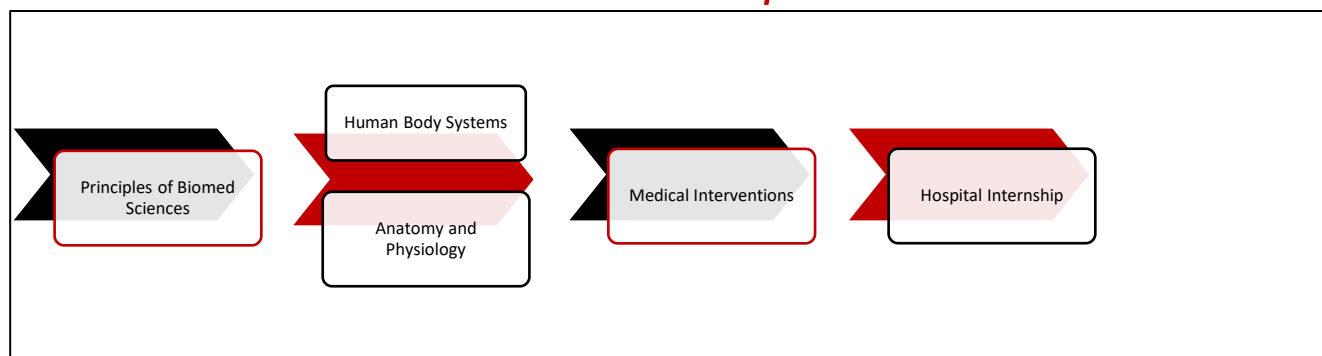
Students investigate a variety of interventions involved in the prevention, diagnosis and treatment of disease as they follow the life of a fictitious family. The course is a "How-To" manual for maintaining overall health and homeostasis in the body. Students explore how to prevent and fight infection; 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.*

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.

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 cells, cell division, protein synthesis, transmission of genes from generation to generation, pedigree analysis, genetic screening, cytogenetics, population genetics, development and sex determination, and legal and bioethical aspects of genetics.

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. Comparative anatomy and physiology of the animal world and how animal systems compare to human systems are examined. There is a minimum of nine different required dissections of specimens throughout the course, including organisms such as a fetal pig, bullfrog, dogfish shark, squid, arthropods, and various worms. These are utilized as a study tool vital for the analysis of anatomy and physiology between the animal phyla and classes studied throughout the 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.

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.

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 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.*

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.*

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.

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.)			
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.			
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.			
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.			
Concurrent Enrollment- Ivy Tech Community College (HIST 1011 & 102) (6 credits). This is a weighted course.			
PSYCHOLOGY	(IDOE#: 1532)	S	11, 12
This course provides the scientific basis for understanding human behavior. Topics include learning, memory, personality, problem-solving, perception, stress and coping, motivations and emotions, the brain and behavior, mental health and mental illness. Course content acquaints students with careers that require a background in and understanding of psychology.			
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.			
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.			
Concurrent Enrollment- Ivy Tech Community College (PSYC 101) (3 Credits). This is a weighted 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.			
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.			
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.			
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. [\(QR Course\)](#)

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.

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.**

Concurrent Enrollment- Ivy Tech Community College (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.

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.

ADVANCED SOCIOLOGY

(IDOE#: 1534)

S

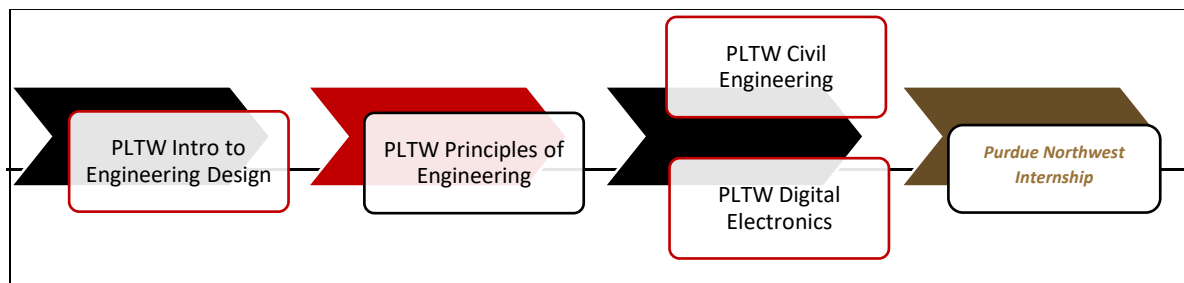
12

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.**

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.**

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. **Concurrent Enrollment- Ivy Tech (DESN 102).**

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.**

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 Fischertechnics will be used in this course. Students will have the ability to test for Autodesk industry certification using the INVENTOR software. [\(QR Course\)](#) **Concurrent Enrollment- Ivy Tech (DESN 104).**

PROJECT LEAD THE WAY: Digital Electronics (DE) <i>3rd class in the PLTW Pathway</i> <i>Prerequisite: "C-" in both semesters of IED and POE.</i> <i>*Federal funding requires the disclosure of student social security number to enroll in this class.</i> 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. <i>(QR Course) This is a weighted course. Concurrent Enrollment- Ivy Tech (EECT 112).</i>	(IDOE#: 5538)	Y	10, 11, 12
PROJECT LEAD THE WAY: Civil Engineering & Architecture (CEA) <i>3rd class in the PLTW Pathway</i> <i>Prerequisite: "C-" in both semesters of IED and POE.</i> <i>*Federal funding requires the disclosure of student social security number to enroll in this class.</i> 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. <i>(QR Course) This is a weighted course. Concurrent Enrollment- Ivy Tech (DESN 105).</i>	(IDOE#: 5650)	Y	10, 11, 12
STEM CAPSTONE: PURDUE UNIVERSITY NORTHWEST INTERNSHIP <i>*Federal funding requires the disclosure of student social security number to enroll in this class.</i> <i>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.</i> 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. <i>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.</i>	(IDOE#: 5974)	S	12

MULTIDISCIPLINARY

PEER TUTORING <i>One semester of Peer Tutoring fulfills the Box 2 Service-Based Learning Requirement. Students must be in good standing for grades and attendance.</i> 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. <i>Per the DOE, students are only allowed to take Peer Tutoring for a maximum of 2 credits in high school.</i>	(IDOE#: 0520)	S	9, 10, 11, 12
STUDENT ASSISTANT 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.		S/Y	10, 11, 12
STUDY HALL 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.		S/Y	9, 10, 11, 12

2024-2025 Dual Credit				
Munster Course	CEC Institution	College Course	Pre-Requisite	Cost
AP English Lang/Comp	Purdue Northwest	ENG 104	GPA & Test Scores	\$75
AP English Lit/Comp	Purdue Northwest	ENG 231	GPA & Test Scores; AP Score of 3, 4, 5	\$75
AP Statistics	Purdue Northwest	STAT 301	GPA & Test Scores	\$315.30
English 11	Ivy Tech	ENGL 111	Read & Write Ready	FREE
Composition	Ivy Tech	ENGL 215	Grade of C or higher in ENGL 111	FREE
World Literature	Ivy Tech	ENGL 206	ENGL 111	FREE
Creative Writing	Ivy Tech	ENGL 202	ENGL 111	FREE
Advanced Speech	Ivy Tech	COMM 101	Read & Write Ready	FREE
Pre-Calc/Trigonometry	Ivy Tech	MA 136/137	SAT Math (550); PSAT Math (27); ACT Math (24); KA STEM (70); No GPA Option	FREE
Pre-Calc/Trig Honors	Ivy Tech	MA 136/137		
Trigonometry	Ivy Tech	MA 137		
AP Calculus AB	Ivy Tech	MA 211	MA 136/137, KA Calc (95)	FREE
AP Calculus BC	Ivy Tech	MA 211/212		FREE
AP Biology	Ivy Tech	BIOL 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)	FREE
AP Chemistry	Ivy Tech	CHEM 105	MA136 & Read/Write Ready OR Read/Write Ready & KA CALC (95)	FREE
Spanish 3	Ivy Tech	SPAN 101/102	Read & Write Ready	FREE
Spanish 4	Ivy Tech	SPAN 201/202	SPAN 101/102	FREE
French 3	Ivy Tech	FREN 101/102	Read & Write Ready	FREE
French 4	Ivy Tech	FREN 201/202	FREN 101/102	FREE
AP Psychology	Ivy Tech	PSYC 101	Read & Write Ready	FREE
AP Government	Ivy Tech	POLS 101	Read & Write Ready	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)	FREE
AP US History	Ivy Tech	HIST 101/102	Read & Write Ready	FREE
PLTW Intro to Engineering Design	Ivy Tech	DESN 101	Enrollment in class	FREE
PLTW Digital Electronics	Ivy Tech	EECT 112	SAT-M (510); PSAT-M (25); ACT-M (20); KA STEM 70; No GPA Option	FREE
PLTW Civil Engineering & Architecture	Ivy Tech	DESN 105	DESN 101	FREE
PLTW Principles of Engineering	Ivy Tech	DESN 104	DESN 101	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)	FREE
Principles of Business Management	Ivy Tech	BUSN 101	Read & Write Ready	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)	FREE
New Ventures Development	Ivy Tech	ENTR 215	Completion of ENTR 100 or Concurrent enrollment in ENTR 100	FREE
Small Business Operations	Ivy Tech	ENTR 220	Completion of ENTR 100 or Concurrent enrollment in ENTR 100	FREE
<i>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</i>				
<i>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</i>				

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.

AUTO SERVICES I (1-Year Program)

(IDOE COURSE NUMBERS 7213, 7205 & 7212)

Classroom and lab activities include instruction in the basics of automotive operation, service, and maintenance. The program is built around Automotive Service Excellence (ASE). The curriculum follows ASE guidelines in nine automotive service areas: Automatic Transmission/Transaxle, Brakes, Electrical Systems, Engine Performance, Engine Repair, Heating and Air Conditioning, Manual Drive Train and Axles, Maintenance and Light Repair, Suspension and Steering.

Box 2: All programs meet Box 2 requirements if students successfully complete 1 year and are awarded the Employability Skills Certificate. Some e-Learning assignments are associated with this.

Box 3: CTE Concentrator after 1 year. Students complete OSHA-10 & ASE Student Certifications

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 and are awarded the Employability Skills Certificate. Some e-Learning assignments are associated with this.

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 103 Carpentry Framing & Finishing Part 1 \(3 credits\)](#)

[BCTI 101 Introduction to Carpentry 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 and are awarded the Employability Skills Certificate. Some e-Learning assignments are associated with this.

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)

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 and are awarded the Employability Skills Certificate. Some e-Learning assignments are associated with this.

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:

LAW 100 Survey of Criminal Justice (3 credits)

LAW 101 Basic Police Operations (3 credits)

LAW 145 Ethics & Professionalism in Criminal Justice (3 credits)

LAW 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 and are awarded the Employability Skills Certificate. Some e-Learning assignments are associated with this.

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 103 Soups, Stocks & Sauces (3 credits)

HOSP 105 Introduction to Baking (3 credits)

HOSP 102 Basic Food Theory & Skills (3 credits)

HOSP 104 Nutrition (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 and are awarded the Employability Skills Certificate. Some e-Learning assignments are associated with this.

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 and are awarded the Employability Skills Certificate. Some e-Learning assignments are associated with this.

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 155 Computer Page Layout (3 credits)

DESN 140 Computer Imaging (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 and are awarded the Employability Skills Certificate. Some e-Learning assignments are associated with this.

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)

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 and are awarded the Employability Skills Certificate. Some e-Learning assignments are associated with this.

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)

CIMT150 Electronic Applications for Manufacturing (2 credits)

CIMT100L Electronics for Automation Lab (3 credits)

CIMT150L Electronic Applications for Manufacturing Lab (1 credit)

HEALTH SCIENCE I (1-Year Program)

(IDOE COURSE NUMBERS 7168, 5274, & 7156)

This program is designed to equip students with mastery of learning skills in Medical Terminology, Anatomy and Physiology, and Health Careers. Students prepare to understand the technical language of the medical field. Utilizing anatomy in clay, students get the multi-dimensional hands-on view of the human anatomy. Students explore the many opportunities in the healthcare field. After year one of this program, students transition to another Health Science placement for year 2.

Box 2: All programs meet Box 2 requirements if students successfully complete 1 year and are awarded the Employability Skills Certificate. Some e-Learning assignments are associated with this.

Box 3: CTE Concentrator after 2 years (Must Complete Health Sciences II or Emergency Medical Services in Year 2). At the end of year 1, students complete the National Health Science Certificate (NHSC).

ITCC credit will be awarded for the following courses:

HLHS 100 Intro to Health Careers (3 credits)

HLHS 102 Essentials of Anatomy and Physiology (3 credits)

HLHS 101 Medical Terminology (3 credits)

HLHS 104 CPR/Basic Life Support (.5 Credits)

HEALTHCARE SPECIALIST: CERTIFIED NURSING ASSISTANT (2nd Year Program)

(IDOE COURSE NUMBER 7166 & 7255)

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 activities 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 and are awarded the Employability Skills Certificate. Some e-Learning assignments are associated with this.

Box 3: Must complete Health Sciences I in year 1. CTE Concentrator in Year 2. Students complete their Certified Nursing Assistant license.

ITCC dual credit will be awarded for the following course: **HLHS 107 CNA Preparation (5 credits) & HLHS113 Dementia Care (3 credits)**

HEALTHCARE SPECIALIST: EMERGENCY MEDICAL TECHNICIAN (2nd Year Program)

(IDOE COURSE NUMBER 7165 & 7255)

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 therefore the program is **only open to seniors**.

Box 2: All programs meet Box 2 requirements if students successfully complete 1 year and are awarded the Employability Skills Certificate. Some e-Learning assignments are associated with this.

Box 3: Must complete Health Sciences I in year 1. CTE Concentrator in Year 2. In year 2, students complete the Emergency Medical Technician Certification (EMT) and the Advanced Emergency Medical Technician (AEMT) Certification.

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

INFORMATION TECHNOLOGY OPERATIONS (1-Year Program)**(IDOE COURSE NUMBERS 7180, 7181 & 7183)**

Students receive instruction in installation, configuring, maintaining and troubleshooting computers, laptops, tablets, peripherals, and networks. Topics include the history and trends of computing, operating systems, database technology, security, cloud implementations and other concepts associated with applying the principles of good information management to organization. Students will be introduced to algorithms, logic development and flowcharting as tools used to document logic through the use of basic scripting and simple programming code. S First year students take Computer Information Technology and work towards receiving the CompTIA A+ Certification.

Box 2: All programs meet Box 2 requirements if students successfully complete 1 year and are awarded the Employability Skills Certificate. Some e-Learning assignments are associated with this.

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

ITCC dual credit will be awarded for the following courses:

SDEV 120 Computing Logic (3 credits)

INFM 109 Informatics Fundamentals (3 credits)

NETI 104 Introduction to Networking (3 credits)

CSIA 105 Introduction to Cyber Security (3 credits)

ITSP 132 IT Support Essentials I (2 credits)

ITSP 134 IT Support Essentials II (2 credits)

ITSP 136 Workforce Prep – Comp TIA+ (1 credit)

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 and are awarded the Employability Skills Certificate. Some e-Learning assignments are associated with this.

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)

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 and are awarded the Employability Skills Certificate. Some e-Learning assignments are associated with this.

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. (Required for the Class of 2023 and beyond.)

Academic Competition Teams

Sponsor(s): Katie Harris, Keith Koszut, Mike Bakker kmharris@munster.us, kakoszut@munster.us, mrbakker@munster.us

The Munster High School Academic Competition Team is composed of students in grades 9-12 who desire to compete against other Indiana schools in a number of academic competitions. Students may try out for a single activity or for many activities. The team has enjoyed incredible success the past few years. Currently the team competes in TEAMS (a physics-based competition, formerly known as "JETS"), Academic Super Bowl (which consists of squads in English, social studies, math, science, fine arts, and interdisciplinary), Spell Bowl, MathCON, and Science Olympiad. The Science Olympiad squad won state championships in 2013 and 2014. JETS won the 9th-10th grade state championship in 2012 and 2014. Academic Super Bowl won state runner-up for the overall competition in both 2013 and 2014. The Spell Bowl team was a state finals qualifier in 2012 and 2013. Students can earn Honor Society points for participation in this club. The MathCON Team has qualified students for the National Championship, held in Chicago, every year since 2016. TEAMS is an engineering competition that takes place in early spring. Students will be divided into teams and each team will prepare by studying common problems and situations in the field of engineering. The competition includes a multiple-choice test and a written test that asks the team to solve a complex 'real life' engineering problem. **2 Points**

American Sign Language Club

Sponsor(s): Hannah Fus hcfus@munster.us

Membership is open to all students who are interested in the culture and language used by American and Canadian deaf individuals. **1 Point**

Art Club

Sponsor(s): Elena Lopez emlopez@munster.us

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**

Auditorium Staff

Sponsor(s): Ray Palasz rapalasz@munster.us

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.**

Band

Sponsor(s): Ian Marcusiu ihmarciusiu@munster.us

The band consists of the Marching Mustangs, concert band, wind ensemble, jazz ensemble, jazz lab band, pep band, and small ensembles. **8 Points**

Best Buddies

Sponsor(s): Anne Copp, Hannah Fus amcopp@munster.us, hcfus@munster.us

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@munster.us)

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): Becky McKeever (rsmckeever@munster.us)

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. Varsity can also earn a “letter” in bowling, with strong participation. **6 points**

Chess Club

Sponsor(s): Nicklaus Ronsen (naronsen@munster.us)

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@munster.us), (jimdettlo@munster.us)

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

Sponsor(s): Luke McGinnis (lpmcginnis@munster.us)

Munster High School has two extracurricular choral ensembles – S.I.N.G. (men) and S.O.N.G. (women). Membership is by audition with the Choir Director at the beginning of the school year. The groups perform at five school concerts throughout the year and occasionally sing in community performances. **8 Points**

Civics Club

Sponsor(s): Don Fortner, Kristen Szafasz (djfortner@munster.us), (kmszafasz@munster.us)

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, Katy Clifton, Val Pflum, Kristen Szafasz (macoil@munster.us), (keclifton@munster.us), (vmpflum@munster.us), (kmszafasz@munster.us)

In May, student elections are held and each class votes for candidates to become its class representatives for the following year.

1 Point

- Freshman: The freshman CEC organizes activities for homecoming and may be involved in other activities throughout the year.
- Sophomore: The sophomore CEC organizes activities for homecoming and may be involved in other activities throughout the year.
- Junior CEC: Junior CEC: The junior CEC takes part in the homecoming festivities and organizes the Junior/Senior Prom. The club may be involved in other activities throughout the year.
- Senior CEC: The senior CEC organizes activities for homecoming parade, participates in the pep rally, picks a homecoming t-shirt, organizes the senior banquet, and selects the class gift for the school.

Color Guard

Sponsor(s): Hope Ciarrocchi (munsterhscolorguard@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@munster.us)

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**

Cultural Cuisine Club

Sponsor(s): Angelique Kerger (alkerger@munster.us)

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@munster.us)

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**

DECA

Sponsor(s): Ryan Popa (rmpopa@munster.us)

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**

Environmental Club

Sponsor(s): Michael Bakker (mrbakker@munster.us)

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. **1 Point**

Fashion Club (New)

Sponsor(s): Abby Brosseau (adbrosseau@munster.us)

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@munster.us)

The Film Club regularly watches, discusses, and creates film. Film Club provides opportunities to learn about cinematography and film technique, and Film Club members may participate in the creation of the Mustang News. **2 points**

French Club

Sponsor(s): Jennifer Kennedy Cole (jmkennedycollection@munster.us)

The French club celebrates French culture through activities including a cheese party, a holiday party, Mardi Gras festival, field trips, and picnic. **1 Point**

GSA (GAY-STRAIGHT ALLIANCE)

Sponsor(s): Ben Boruff (bwboruff@munster.us)

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@munster.us)

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): Ian Marcusiu (ihmarciusiu@munster.us)

These select ensembles perform throughout the area and travel to university and state festivals and competitions. **3 points**

Indian Culture Club (New)

Sponsor(s): Jennifer Dettlo, Florencia Stoll (jmdettlo@munster.us), (fstoll@munster.us)

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@munster.us)

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 Pierie, Kristen Szafasz (drpierie@munster.us), (kmszafasz@munster.us)

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@munster.us)

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): Randy Gorny (rngorny@munster.us)

The Munster Mustangs Esports teams compete in Rocket League, League of Legends, Overwatch, Hearthstone and other various 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@munster.us)

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@munster.us)

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@munster.us)

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).**

National Honor Society

Sponsor(s): Dillon Pierie, Val Pflum (drpierie@munster.us), (vmpflum@munster.us)

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): Levacy Quinn (lquinn@munster.us)

Orchestra is available to students who play a string instrument. Students participate in concerts, public performances, district and state contests, 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): Tom Barnes (tlbarnes@munster.us)

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@munster.us)

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@munster.us)

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**

Munster Volunteer Project

Sponsor(s): Leigh Ann Westland (lawestland@munster.us)

Formerly Project X, the Munster Volunteer Project is a service organization geared toward helping the Munster community. **2 Points**

Publications

Sponsor(s): Sarah-Anne Lanman (slanman@munster.us)

Students interested in working on the school newspaper or the school yearbook must first enroll in the Journalism class. 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): Sarah-Anne Lanman (slanman@munster.us)

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@munster.us)

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): Larry Hautzinger (lrhautzinger@munster.us)

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@munster.us)

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@munster.us)

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@munster.us)

Spanish club is for all students interested in learning more about the Spanish culture in a non-classroom situation. **2 Points**

Speech and Debate**Sponsor(s):** Michael Buck, Jordan Mayer (mpbuck@munster.us), (jgmayer@munster.us)

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**

Student Advisory Council (SAC)**Sponsor(s):** Brian Clark (bmclark@munster.us)

The club acts on needs based on student voice relating to school safety and responsibility for a unified MHS community. **4 Points**

Student Government**Sponsor(s):** Kathleen LaPorte (KMLaporte@munster.us)

This is an elective body made up of student from grades 9-12. Elections are held in the spring with the exception of the freshman class who elects their representatives in the fall. **4 Points**

Ultimate Frisbee Club**Sponsor(s):** Steven Stepnoski (smstepnoski@munster.us)

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):** Ian Marcuicu (ihmarcuicu@munster.us)

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):** Ian Marcuicu (ihmarcuicu@munster.us)

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, wind, string, and 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**