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Harding High School Program of Studies

Introduction

Purpose

The purpose of this document is to give guidance to students and parents in selecting classes; clarify academic expectations, pathways and graduation requirements; and provide a master list of current course offerings.

Introduction

Marion Harding High School provides a comprehensive program in curricular, co-curricular, and extracurricular activities designed to enable students to identify and develop their talents, skills, strengths, career paths, and special interests. The school is fully accredited by the State of Ohio Department of Education.

This curriculum guide has been prepared to assist students and their parents/guardians in the planning of an academic program that will enable students to reach their educational and career goals. The contents herein should be studied thoroughly before any decisions regarding future programs are made.

A brief description of all courses offered at Harding High School can be found in this publication. Listed by department, each course description includes degree of difficulty (Honors, Advanced Placement, College Credit Plus, and Standard), amount of credit awarded upon successful completion, NCAA accepted core courses, and a recommended course of study. In reviewing the offerings, parents/guardians and students are urged to consider those courses that will best meet the educational needs of the student.

Courses listed in this guide may not be offered based on the number of student requests each year. Some course offerings are offered in partnership with a local college or other institution and may require acceptance prior to registering.

Drop and Add Requirements

Students are required to take a minimum number of courses each year. This “minimum course load” includes both required courses and elective courses. With the guidance of parents and counselors, students select these courses during the registration period. In addition to the required courses, students have an opportunity to select whatever elective courses they wish. The Program of Studies is the guide for making these selections. Please use the Schedule Change Request Form in the Appendix

1. Changes will be considered based upon seat availability and needs of the student
2. Changes may be considered with a team (counselor, teacher, administrator) conference.
3. Schedule changes are not in effect until the student receives a revised schedule from the counselor.
4. Parent Signature or verbal confirmation is required for all schedule changes
5. Students wishing to change a class should initiate a conversation with the teacher to discuss their needs and support available to them.
6. A student must have 5 classes, unless otherwise determined by the administration.
7. Changes for seniors necessary to meet graduation requirements at the end of the year (or end of the summer) will be made.

8. Changes for underclassmen necessary to meet Tri-Rivers Career Center or CCP enrollment requirements will be made if possible.
9. Core courses will not be moved to accommodate elective courses, study halls, late arrivals, or early arrivals unless necessary for work study, CCP, or internships..
10. All schedule changes should be done in a timely manner so that instruction and learning is not interrupted. Please see that dates below for specific information.
11. Any schedule changes made after deadlines will be considered with a team meeting to include the teacher, student, parent, counselor, and administrator.

School Counseling Services

Planning a course of study is one of the most important exercises that a student takes part in during the school year. The decisions that are made in the spring have a tremendous bearing on future activities. The importance of thoughtful, ongoing planning cannot be overemphasized.

Counselors should be enlisted early in the scheduling process and consulted regularly during the student's high school experience. Along with a wealth of background and performance data, they are also exceptionally well-informed about the Harding High School curriculum. Their experience in this aspect of educational services makes it possible for them to help personalize a student's academic program. Students and parents are encouraged to contact the counselor for assistance in resolving any questions pertaining to the scheduling process.

Every student will have a conference with a designated counselor to finalize a schedule. At that conference, the counselor will check for required courses, choice of electives, class load, and progress toward graduation.

Grant Middle School

6th Mrs. Vetter
7th Ms. Stevens
8th Mrs. Archibald

Harding High School

Mrs. Miller (dmiller2@mcspresidents.org)
Mrs. VanSickle (rvansickle@mcspresidents.org)

Students A-D
Students E-K

Ms. Jerew (jjerew@mcspresidents.org)
Mrs. Kontul (akontul@mcspresidents.org)

Students L-R
Students S-Z

Twitter: @co_hhs
#2022Prexies
#2023Prexies
#2024Prexies
#2025Prexies
#WeRPrexies
#MarionMade

SPECIAL PUBLIC NOTICE

The Marion City Schools provides educational programs without regard to race, religion, color, national origin, sex, or handicap.

Graduation Requirements

It is a student's responsibility to see that requirements for graduation are met. School officials will make every effort to keep up-to-date records and to keep students and parents informed about the status of progress toward compiling the necessary coursework for graduation requirements. However, it is the student's responsibility to be acquainted with the necessary requirements to meet this goal. The overall credit requirements for graduation from Harding High School are as follows:

The following is the list of minimum graduation requirements that have been mandated by the State of Ohio Department of Education and /or the Marion City Schools Board of Education. These standards are firm and cannot be compromised in any way.

GRADUATION REQUIREMENTS

In order to acknowledge each student's successful completion of the instructional program, appropriate to the achievement of District goals and objectives as well as personal proficiency, the Board of Education awards a diploma to eligible students at a graduation ceremony.

The Board of Education shall award a regular high school diploma to every student enrolled in this District who meets the requirements of graduation established by State law and this Board or who properly completes the goals and objectives specified in his/her individualized education program (IEP) including either the exemption from or the requirement to complete the tests required by the State Board of Education in order to graduate. In addition to earning course credits, each student must fulfill the requirements of one (1) graduation pathway that has been approved by the State.

Course Credits Required for Graduation

The requirements for graduation from high school include earning twenty (20) units of credit in grades nine (9) through twelve (12) as established in State law and this Board and fulfilling the requirements of one (1) graduation pathway that has been approved by the State. To graduate, students must earn minimum of twenty (20) units of credit in grades nine through twelve as follows:

Subject	Units of Credit
English	4.0
Social Studies World History (.5) U.S. History (1) American Government & Economics (1.0) Elective (.5)	3.0
Science Physical (1) Biological (1) Advanced Science (1)	3.0
Mathematics	4.0
Four courses including Algebra 2 or Equivalent	
Health	0.5
Financial Literacy (2026+)	0.5
Fine Arts	1.0
Physical Education***	0.5
Electives (all other credits)	4.0
Total	20.0
*All students must receive instruction in economics and financial literacy during grades 9-12 and must complete at least two semesters of fine arts taken any time in grades 7-12. Economics is a required class and fulfills this requirement. Students following a career-technical pathway are exempted from the fine arts requirement. ***See PE Waiver information below.	

Students who do not meet the necessary requirements for graduation are not eligible to participate in any senior activities relating to and including commencement.

Graduation Requirements

Permanent Graduation

Requirements students must meet the requirements for both the competency and readiness requirement.

- **Competency-** Earn a competent score on Ohio’s high school Algebra I and English II test (684). Students who do not pass the test will be offered additional support and must retake the test at least once. If you do not score a passing score, there are three additional ways to show competency
 - Option 1- Demonstrate Two Career-Focused Activities (*At least one of the two must be a Foundational skill*)
 - **Foundational** - Proficient scores on WebXams, a 12-point industry credential, a pre-apprenticeship or acceptance into an approved apprenticeship program
 - **Supportive** - Work-based learning, earn a required score on WorkKeys, Earn the OhioMeansJob Readiness Seal
 - Option 2- Enlist in the Military
 - Show evidence that you have signed a contract to enter a branch of the U.S. armed services upon graduation
 - Option 3- Complete College Coursework
 - Earn credit for one college-level math and/or college-level English course through Ohio’s free College Credit Plus program.
- **Readiness-** Earn two of the following diploma seals, choosing those that line up with your goals and interests. These seals give you the chance to demonstrate academic, technical and professional skills and knowledge that aligns to your passions, interests and planned next steps after high school.
 - Ohio-designed seals:
 - OhioMeansJobs Readiness, Industry-Recognized Credential, College-Ready, Military Enlistment, Citizenship, Science, Honors Diploma, Seal of Biliteracy, Technology
 - Locally designed seals:
 - Community Service, Fine and Performing Arts, Student Engagement

Physical Education Waiver

Students who have participated in interscholastic athletics, marching band, show choir, or cheerleading for at least two (2) full seasons as defined in the student handbook, while enrolled in grades 9 through 12, and as documented by the appropriate school official may be excused from the high school physical education requirement. Students electing such an excuse shall complete one-half (1/2) unit of at least sixty (60) hours of instruction in another course of study which is designated by the Board as meeting the high school curriculum requirements. A student who has participated in the junior reserve officer training corps for at least two (2) full school years while enrolled in grades 9 through 12 may be excused from the high school physical education requirement and may use credit for such participation to satisfy the requirement to complete one-half (1/2) unit in another course of study.

Credit may be earned by:

- A. completing coursework;
- B. testing out of or demonstrating mastery of course content; or

C. pursuing one (1) or more educational options in accordance with the Center's Credit Flexibility Program.

Credit may be earned at an accredited postsecondary institution through College Credit Plus (CCP).

Every high school may permit students below the ninth grade to take advanced work for credit. This work shall count toward the graduation requirements if it was both:

- A. taught by a person who possesses a license/certificate issued under State law that is valid for teaching high school;
- B. designated by the Board as meeting the high school curriculum requirements.

Course Cancellations

Insufficient enrollment causing the cancellation of specific classes or scheduling conflicts may require the student to select alternative courses. In these cases the student and parent will be notified as soon as possible and will be assisted in selecting another course.

Athletics & Extracurricular Activities Eligibility

In order to be eligible for athletics and extracurricular activities, students must pass the equivalent of five units of credit quarterly. *Summer school credits and grades are **not** considered in determining eligibility.*

The Athletic Handbook outlines the necessary requirements for athletic eligibility. If you have any questions regarding a particular course, or the policy in general, please direct questions to the guidance office and/or the athletic department.

For certain athletic seasons, the academic calendar will include two grading periods. When this occurs, the most recent grading period determines an athlete's eligibility. Therefore, an athlete may become ineligible if the athlete does not meet the minimum requirements. Likewise, an athlete may become eligible if it is determined the athlete now meets the academic requirements. In addition, this athlete will need to also meet team practice requirements and be in good standing as determined by the Head Coach and Athletic Director.

Athletic Letter: Qualifications for lettering in each sport are determined by the Head Coach and Athletic Director.

NCAA Eligibility Center

The NCAA Eligibility Center took over operations for the NCAA Initial-Eligibility Clearinghouse in November 2007. The Eligibility Center certifies the academic and amateur credentials of all students who want to play sports at an NCAA Division I or II Institution as freshmen. In order to practice, play and receive an athletics scholarship, students need to meet certain academic benchmarks. An additional certification process exists to make sure the student is still an amateur, which is necessary in order for the student to compete. Marion Harding High School has a listing of accepted NCAA Core courses that are identified within this course selection guide as: NCAA.

The NCAA Eligibility Center charges a fee to register as a potential student athlete which covers their administrative costs and delivery of that information to all the member NCAA regulated colleges and universities.

(The NCAA Eligibility Center is a separate institution and therefore these fees are not our school fees.)

The website to register for the NCAA Eligibility Center is: www.eligibilitycenter.org.

NAIA Eligibility Center

The NAIA Eligibility Center certifies the academic credentials of all students who want to play sports at an NAIA Division institution as freshmen. All courses are eligible for NAIA.

There is also a fee for the NAIA Eligibility center for certification of student athletes and the delivery of that information to member NAIA Division colleges and universities.

(The NAIA Eligibility Center is a separate institution and therefore these fees are not our school fees.)

The website to register for the NAIA Eligibility Center is: www.playnaia.org.

Standards

1. Students must pass courses during the previous nine-week grading period that earn a minimum of five credits per year toward graduation.

Students who do not meet **the** eligibility standards defined above shall be ineligible for participation in or practice interscholastic athletics or extracurricular activities until the end of the grading period.

Educational Options

The Marion City Secondary Program provides each student with a broad and general educational background as is reflected in the requirements for graduation. The primary goal of the educational program is to ensure that, before the students graduate from Harding High School, they have mastered the basic learning skills. These skills will enable them to become lifelong learners and to cope successfully with a changing society. The second goal of the program is to offer

students, once they have demonstrated competency in the basic skills, a wide variety of choices permitting them to develop their own sequence of studies that will assist them in developing the personal, career and educational skills necessary for success either in their chosen vocation or in college. The mission of Harding High School is to ensure all students will be enrolled, enlisted, employed as empowered global citizens.

Early Graduation

Sixth Semester Graduation, Grade 11
Seventh Semester Graduation, Grade 12

A student may be eligible for early graduation either at the end of the junior year (sixth semester) or at the end of the first semester of the senior year (seventh semester). *Those students who wish to be considered for early graduation should ask the building principal and counselor for more information early in their high school experience.*

College Credit Plus (CCP)

College Credit Plus (CCP) was enacted into Ohio law in September 2014. The CCP program will govern those arrangements where a student is engaged in non-sectarian, non-remedial educational coursework while in high school that automatically results in transcribed high school and college credit at accredited Ohio public colleges and universities after the successful conclusion of that coursework. The CCP program will be the primary mechanism to pay for student-earned, transcribed college credit while in high school and will be paid for by the District (unless the student fails the course or exceeds the equivalent of 30 semester hours). Students in grades 7-12 who meet the CCP eligibility requirements may participate in a CCP program. Harding High School partners with Marion Technical College, Ohio State University Marion, and Columbus State Community College.

Fall 2023:

10th Grade: HST1500, Early American History- Gary

12th Grade: MTH1245, College Algebra – Susan

Spring 2024:

10th Grade: HST1600, Modern American History- Gary

11th Grade: MTH1240, Statistics – Susan

Harding High School and College Credit Plus Pathway

CCP HHS Expectations

College Credit Plus allows students to attend college while still in grades 7-12 and to receive both high school and college credit for the courses taken at the college.

The intent of the program is to provide advanced coursework for students who have exhausted their options at the high school level or to provide students an opportunity to take courses not offered at the high school.

It is important to note that students are responsible for their own transportation to and from the college campus. If a shuttle is available for students, the students will be notified by the first day of school, this is not a guarantee. Classes are taken on the college campus with other college students. It is college-level work, and the expectations of the high school student will be the same as for the college-level students. Students need to be mature and academically capable of completing college-level work. Failing a college course will result in the student/parent assuming responsibility for the cost of the course and will impact eligibility and possibly graduation. More information can be found on the School Counseling page at mcspresidents.org.

- CCP students must check in and out in the office upon leaving and returning to Harding.
- CCP students identify themselves by wearing their school id, and using the lanyard or other mechanism determined by HHS.
- CCP students to return to Harding when in between courses or on a free rotation will be assigned a study hall in the library. If students are in the building they should be in their assigned study hall. Loitering will not be permitted in halls or offices.
- CCP students who return to Harding should consume outside food and beverages prior to returning unless the situation cannot be avoided.
- CCP students entering the building with outside food or beverage may finish meals in the cafeteria and will not be permitted to deliver food or beverages to other students.
- CCP students must complete the transportation waiver and release.
- CCP students are responsible for returning ALL materials and textbooks to the School Counseling secretary at the completion of the course. Failure to do so will result in a student fine in the amount of the textbook.
- Marion City Schools expectations for behavior extend to college campuses.
- CCP students must park their vehicle in the student parking lot and clearly display an HHS parking permit.

Can my student participate?

Marion City Schools students in 7th-12th grade next school year may apply for College Credit Plus admission to a public or participating private college. The college will admit students based on their college-readiness in one or more subject areas. They must talk to their school counselor for more information and submit an intent to participate form by April 1 and attend the recommended informational meeting.

How can College Credit Plus benefit my student?

College Credit Plus provides more options for students to pursue rigorous academic coursework beyond the high school classroom. Students can complete their freshman year of college or more, or explore college content that interests them. They can also earn college credits for free, meaning less time and costs of attending college after high school. Participating will give them an idea of what college-level work is like and helps prepare them for college.

Courses at public colleges and universities are free to students. There may be a charge for attending courses offered by private institutions. However, private institutions may not charge economically disadvantaged students who choose to attend.

Participating in College Credit Plus may eliminate repetitive, overlapping course work between high school and college. Students can complete general education college requirements that are transferable under the Transfer Assurance Guide (TAG) and Ohio Transfer Module (OTM) guidelines.

What are the risks of College Credit Plus?

College transfer credits earned through College Credit Plus are usually accepted by most major institutions. However, credits may not be guaranteed to transfer toward private or out-of-state colleges and universities. Students should check with the institutions of interest before enrolling in College Credit Plus.

While OTM/TAG courses are guaranteed to transfer to Ohio public colleges and universities with a grade of D or better, how they transfer depends on the major. Students should again check with colleges and universities before applying.

Grades that students receive through College Credit Plus show up on both high school and college transcripts. They affect respective grade point averages, and low grades may also negatively impact potential college admissions and financial aid opportunities.

Students taking College Credit Plus courses on campus may need to arrange for their own transportation.

How do College Credit Plus courses earn students high school credit?

Students may earn college credit and apply that credit toward their high school graduation requirements. Successful completion of a three or more credit-hour college course is equal to 1.0 Carnegie unit earned at the high school. A two credit-hour college course equals 2/3 of a high school credit and a one credit-hour college course converts to a third of a high school credit.

Where can students take college classes?

Marion Harding High School will offer some college courses under College Credit Plus. Additionally, students may also travel to the college where they are admitted or enroll in one or more online college courses. Students may be concurrently enrolled in multiple institutions of higher learning and may take postsecondary courses from more than one institution concurrently. Students should review the course catalog of individual colleges and universities for a full listing of course offerings.

Marion City Schools has a formal arrangement with local colleges to offer College Credit Plus. Are these the only courses my child may take?

No. Students, once they are admitted to a college, may take any course offered by that college that they are college-ready to take. They can take any courses offered in person or online by any public or participating private college in Ohio.

What if a student fails a class?

If a student fails a class or withdraws with an “F,” the student will receive an “F” on the high school and college transcripts. It will factor into both their high school and college GPA. The district may, in some instances, seek reimbursement for the amount of state funds paid to the college on your student’s behalf for that course. The district may withhold grades and credits earned for high school courses taken until you reimburse the costs.

MARION TECHNICAL COLLEGE (MTC)

Marion Technical College is your community’s two-year college. MTC is fully accredited, offering Associate Degrees, one-year certificates, and individual coursework to the residents of the Marion area. (www.mtc.edu)

MTC Requirements for Participation:

- Complete the application.
- Take any placement tests or nationally normed standardized test ● Meet any additional deadlines as far as enrollment.

MTC courses offered at Harding: English Composition I & II, Digital Image Manipulation, Video and Photography Technology, Introduction to Criminal Justice, Criminalistics, Criminal Investigation, Criminology, Medical Terminology.

Advanced Placement Courses

Advanced Placement courses prepare students to take college placement exams prior to their freshman year of college. Students who score well on the AP exams may be granted college credit, in accordance with the college’s AP policy.

Expectations for students are much greater in courses of this caliber. Reading, writing and research assignments will be considerably more rigorous than college preparatory courses taken previously.

HHS AP Requirements:

- All students will be required to take the 1st semester exam in AP courses.
- The cost per test is identified below; **MCS will cover the cost of AP tests. In the event that a student does not take the test, the student may be responsible for reimbursement.**
 - Cost of test is \$100 (2022 exams)
 - Fee reduction cost is \$58 (2022 exams)
- Any student may elect to take an AP Exam and students who are enrolled in an AP course will be required to take the AP Exam for the course.
- Students enrolled in AP courses will take AP Exams. MCS may assume the cost of the testing.
- Any student who needs to take a late test for an extenuating circumstance that is not an excused reason per the AP Late-Testing Policy is responsible for the late test fee of \$45.

AP Courses Offered at Harding:

AP CALCULUS AB	AP STATISTICS
AP ENGLISH LANGUAGE AND COMPOSITION	AP UNITED STATES GOVERNMENT AND POLITICS
AP ENGLISH LITERATURE AND COMPOSITION	AP MUSIC THEORY
AP COMPUTER SCIENCE A (JAVA)	AP COMPUTER SCIENCE PRINCIPLES
AP BIOLOGY	AP CALCULUS BC
AP PSYCHOLOGY	

PRE AP Courses Offered at Harding:

Pre AP Biology	Pre AP Algebra
Pre AP English I	Pre AP Geometry
Pre AP English II	

Course offerings are subject to change depending on number of requests & teacher availability.

Blended Learning Program

Blended learning Program applications must be received at Harding High School by the identified deadline.

By selecting the Marion City School Blended Learning Program, your child has the opportunity to:

- Receive weekly monitoring and assistance from a coach to support their learning needs.
- Complete required and elective coursework at home with flexibility and regular check ins
- Attend school face to face 51% of the time and during scheduled testing and teaching hours
- Receive tutoring at the building during scheduled hours
- Participate in all MCS extracurricular activities (including athletics, clubs, band, choir, dances, etc.)
- Receive a Marion City Schools-Harding High School Diploma upon graduation

Enrollment:

- After the enrollment form has been completed, an HHS staff member will reach out to schedule a meeting at Harding High School to discuss course options and expectations as well as technology needs and student supports that are available. The student/parent should commit to the Blended Learning Program for the complete school year

Profile of an Effective Blended Learning Student

The blended learning process requires **commitment** on the student's part. Staying up with the class and completing all work on time is vital. Once a student gets behind, it is very difficult to catch up. We want to be sure that students make decisions about enrollment in blended coursework based on sound information and careful consideration.:

- ✓ **Be self-motivated and self-disciplined.** With the freedom and flexibility of the blended environment comes responsibility. The blended process takes a real commitment and discipline to keep up with the flow of the process.
- ✓ **Be able to communicate through writing and like to read.** In the blended Classroom, nearly all communication is written, so it is critical that students feel comfortable expressing themselves in writing. Strong writing requires thought and thought requires work. Be ready to write and write well. Furthermore, you should be comfortable reading on a computer screen and be able to type.
- ✓ **Be willing to speak up if problems arise.** Many of the non-verbal communication mechanisms that instructors use in determining whether students are having problems (confusion, frustration, boredom, absence, etc.) are not possible in the blended paradigm. If a student is experiencing difficulty on any level (either with the technology or with the course content), he or she must communicate this immediately. Otherwise the instructor will never know what is wrong.
- ✓ **Be willing and able to commit to 10.5 hours per week of face to face schooling.** Blended is not easier than the traditional educational process. It requires time and commitment similar to a traditional course.

Credit Flexibility

Credit Flexibility is any alternative coursework, assessment or performance that demonstrates proficiency needed to be awarded equivalent graduation credit as approved by the school district. Approved credit awarded through this policy will be posted on the student's transcript and counted as required graduation credit in the related subject area or as an elective. Information regarding the Credit Flexibility policy and program is posted on the district website. Interested students should contact their guidance counselor for additional information and guidelines.

This education option gives students a way to be in charge of their learning. Some students see more value in school when they can connect learning with real world situations and future jobs. Credit flexibility is one way to increase a student's interest in school and motivation to learn.

The key to this option is that the student drives the request to learn differently as well as the plan to earn the credit. A specific interest of the student is the basis for the request. Credit Flexibility Examples:

Online coursework: Distance learning

Educational Options: Ed travel, Independent study, Internship, Community service

Test out Considerations: Testing out or otherwise demonstrating mastery of course content.

Steps to fulfill Credit Flexibility:

1. The student and family complete a Credit Flex Proposal Plan.
2. The proposal about the student's request to earn credit is presented to the Credit Flex Committee.
3. The Credit Flex Committee approves or denies the plan. A teacher mentors the student to provide support for meeting their goals and making progress in their learning.
4. When the plan is complete, the committee evaluates and issues credit. If the student does not complete all elements in the plan or is not successful in demonstrating the knowledge and skills needed, then the student will not earn the credit. It is the responsibility of the student to do the work to succeed in the plan. The teacher guides the student with feedback.

There is no one way to develop a credit flexibility plan. The student, school, and family create the plan together. The plan should include the costs and responsibility for payment.

Notes: Transcribed in the same way as traditional credit. If students fail to complete, an F will be recorded on transcripts. All credit flexibility work for seniors is due no later than May 1st.

Career Technical Education Programs

(Harding, Mary Ellen Withrow High School Academy, Tri Rivers Career Center)

There are typical sequences for courses designed to develop a student's skills to the extent that they may qualify for direct entry into employment as well as technical preparation for post-secondary education. Courses are strongly recommended for the development of employability skills and are essential to the development of technical skills.

Most career preparation programs are two-year sequences with the exceptions of some senior-only programs that result in an industry recognized credential and the cooperative work-study courses. All students are eligible for career preparation programs. Students interested in enrolling in a career preparation course should contact their counselors.

Harding Expanded Learning

Harding High School students who qualify may apply to enroll in the Harding XL program and have the opportunity to get involved in extended learning opportunities through the after school programming offered by Harding XL. Students work through Apex, the Marion City Board of Education approved online curriculum, to earn credits towards graduation. Staff works with each student to put together a success plan that identifies academic and personal goals.

The Program Offers Students:

- A flexible learning environment including online and teacher led instruction
- Ability to earn high school credit
- Small class sizes to meet individual needs of students
- Academic support from teachers and support staff
- Youth development

We offer wrap-around supports to assist our students in overcoming any barriers to their success. We collaborate with non-profit agencies and community organizations to provide supportive services. Some of those services include:

- Job readiness classes
- Healthy relationships seminar
- Health cooking/ wellness classes
- Peer group supports
- Credit Flex Classes

Hours: Monday-Friday 7:30-3:30

For more information about Harding XL, please contact your school counselor.

Summer School

The Summer School Program is designed to allow students to correct or remediate academic weaknesses in courses they have previously failed. In gaining credit for their enrollment and successful completion of their classes, the students may have the opportunity to advance to the next grade level and/or attain credits needed to graduate. Seniors attending summer school who successfully pass credits necessary to meet graduation requirements will receive an August diploma. Students may be tutored in classes for credit that are not offered in summer school at the expense of the student. All summer school classes and tutoring requests should be approved through the student's counselor and/or principal.

CLASS RANK

Harding High School recognizes class ranking and that a rank should not only reflect student performance but also the type of academic program taken. To accomplish this, a weighted system of class ranking has been implemented. Values are designated as follows:

Course Weight

- 2.0 Advanced Placement Courses
- 2.0 College Credit Plus – Courses from 2 and 4 year schools
- 1.5 Honors Courses
- 1.0 Standard Courses

SCALE OF GRADE POINT VALUES

	A	B	C	D	F
AP/CCP (2.0)	8	6	4	2	0
HONORS (1.5)	6	4.5	3	1.5	0
SD (1.0)	4	3	2	1	0

A formula using the preceding scale of points and the grades received in academic courses divided by the number of grades received is used to determine grade point average (GPA). The GPA is then used to rank students, highest to lowest, in each grade (9-12). Class rank is calculated after each semester.

Academic Letter Program

The top thirty students of each class will be recognized during the Academic Honors Assembly. Our Academic Booster Club will honor students for maintaining membership on our semester honor roll. The criteria are:

- 3 Times on the semester honor roll = Numerals
- 4 Times on the semester honor roll = Lamp of Knowledge Pin
- 5 Times on the semester honor roll = Varsity Letter
- 6 Times on the semester honor roll = Gold Pin
- 7 Times on the semester honor roll = Plaque

Honors Diploma

Students in Ohio are provided the opportunity to graduate with an honors diploma by exceeding Ohio's graduation requirements by taking higher level course work and/or real-world experiences. Students have the opportunity to earn one of six honors diplomas:

1. [Academic Honors Diploma](#)
2. [International Baccalaureate Honors Diploma](#)
3. [Career Tech Honors Diploma](#)
4. [STEM Honors Diploma](#)
5. [Arts Honors Diploma](#) - *includes dance, drama/theatre, music and visual art*
6. [Social Science and Civic Engagement Honors Diploma](#)

National Honor Society

Each year, juniors and seniors are chosen for induction into the National Honor Society. The purpose of the Society is to honor scholars who are leaders of good character and who serve by using their talents to benefit others.



In order to be eligible for membership, students must first meet the scholarship requirement established by the National Honor Society in its National Constitution by having at least a 4.5 GPA. Candidates are then evaluated on the basis of service, leadership, and character. Participation in school and community activities earns service and leadership points. A candidate must complete a student activity form and accumulate a minimum of ten activity points for membership consideration. A teacher recommendation is also a requirement. Students will be honored with the Gold Graduation Cord.

Career Pathways

Career pathways are a way of grouping careers with common features and skills. Careers grouped into the same cluster typically require similar education and training. Exploring pathways can be a useful way to find a good career match, especially if you have general areas of interest but are not sure what specific careers match those interests. Career pathways can also help you better understand how your coursework in school can prepare you for certain types of careers. Detailed information regarding career pathways can be accessed by logging into Naviance (college and career planning tool) or meeting with a school counselor.



Program of Studies Icon Key

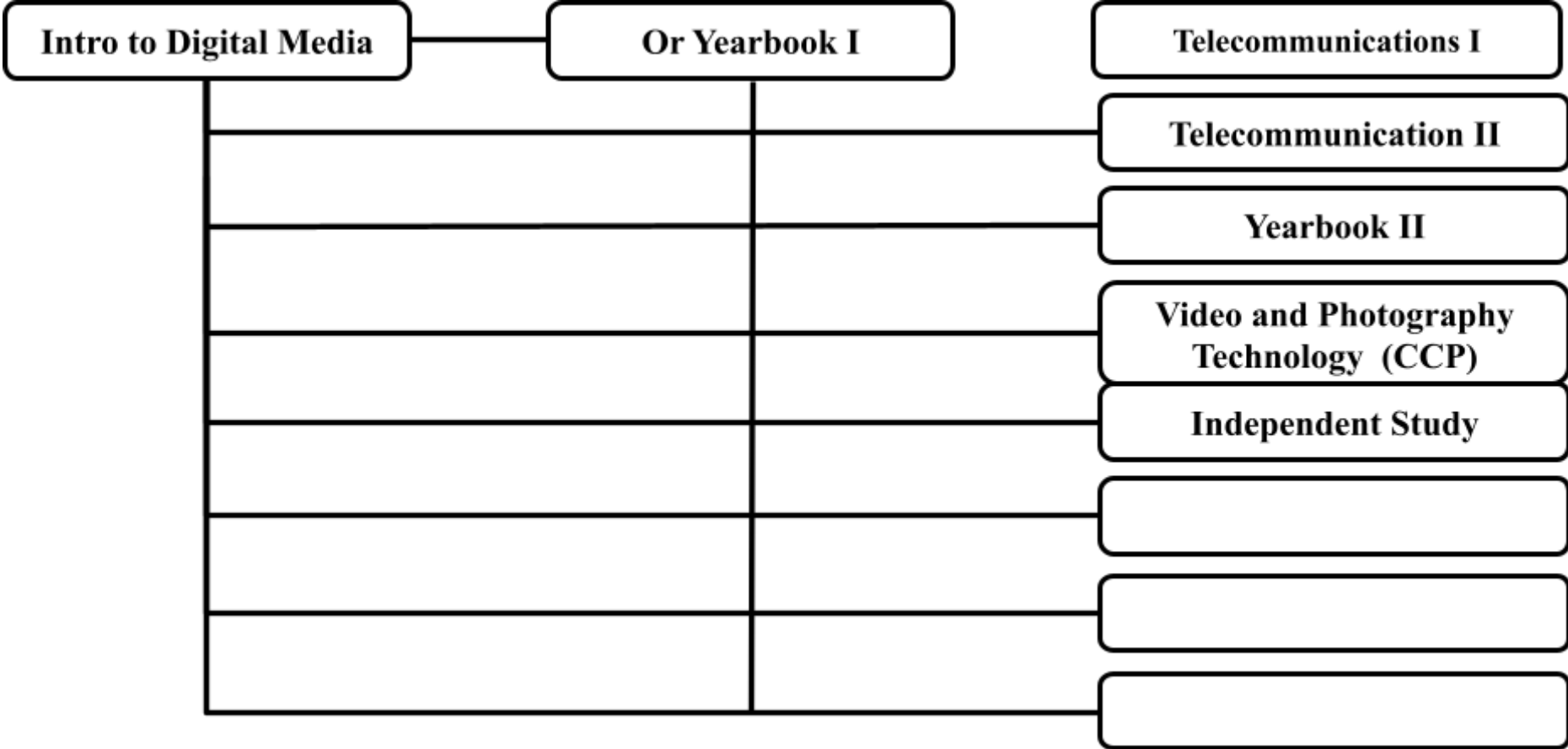
Course Delivery Icons	Course Delivery Option	Description
	Credit Flexibility Course	This course is delivered daily at a scheduled time, but content and support are delivered through multiple checkpoints
	Dual Credit Course	Students may earn college and high school credits at the same time by taking college courses from Lakeland Community College. Courses are offered at Harding High, TRCC, or college campus.

No Icon	Traditional Face-to-Face course	Course meets face-to-face at Harding High School on a daily basis.
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Crafts	.5	<p>An exploration of unique and functional works of art will include fiber arts, basketry, ceramics, jewelry-making, masks, and book-making. Emphasis will be placed on design, functionality, and craftsmanship. Each student will be responsible for creating a presentation and learning opportunity with the craft of their choice. There will be written work and a semester exam.</p> <p>Career Pathway: Arts, Audio/Video Technology and Communications</p>	Fine Arts Requirement Met, Local Seal Fine & Performing Arts	No
Digital Art I	.5	<p>In this class we will be covering many different aspects of digital image manipulation from editing images to creating vector graphics to working with 3D objects. This class will prepare you to be able to edit images for projects in a work environment to create images as a hobby. All classwork is done on the computer using the latest version of Adobe Photoshop CC. Grades will be based on completed projects, journal entries and book work.</p> <p>Career Pathway: Arts, Audio/Video Technology and Communications</p>	Fine Arts Requirement Met, Local Seal Fine & Performing Arts, Credential Adobe 3	No
MTC Digital Image Manipulation (Digital Art II)	.50	<p>In this class we will be covering many different aspects of digital image manipulation from editing images to creating vector graphics to working with 3D objects. This class will prepare you to be able to edit images for projects in a work environment to create images as a hobby. All classwork is done on the computer using the latest version of Adobe Photoshop CC. Grades will be based on completed projects, journal entries and book work.</p> <p>Career Pathway: Arts, Audio/Video Technology and Communications</p>	Fine Arts Requirement Met, Local Seal Fine & Performing Arts, Credential Adobe 3, College Credit	Yes 1.5
Drawing & Painting	1.0	<p>This year-long class is for art students who want to seriously develop drawing and painting abilities. Students will explore ways that artists perceive and process visual information in a variety of dry and wet media. Students will start out developing strong skills in drawing from observation and then work into color theory, color mixing and painting techniques. Students will create large scale self-portraits in charcoal, abstract paintings, paintings on canvas, comic book drawings and various other projects. Media used will include charcoal, graphite, ink, tempera, acrylic, watercolor and oil paint.</p> <p>Career Pathway: Arts, Audio/Video Technology and Communications</p>	Fine Arts Requirement Met, Local Seal Fine & Performing Arts	No

Photography I	.50	<p>Traditional darkroom photography and digital imagery will be covered in this class. Students will learn to develop film and create black and white photographs in the darkroom. Emphasis will be on composition and experimentation with the media. There will be homework, tests, reports and a semester exam. Projects may require students to do work outside of class. Students will use digital cameras and computers. Some work will be required outside of the classroom.</p> <p>Career Pathway: Arts, Audio/Video Technology and Communications</p>	<p>Fine Arts Requirement Met, Local Seal Fine & Performing Arts</p>	No
Ceramics I	.50	<p>This semester course is for the student who enjoys working three dimensionally with clay. You will create large scale coil pots, functional vessels and cups and a wide array of pottery forms. Students will learn the hand building techniques in ceramics as well as design concepts, basic ceramic terms, equipment and tools.</p> <p>Career Pathway: Arts, Audio/Video Technology and Communications</p>	<p>Fine Arts Requirement Met, Local Seal Fine & Performing Arts, Credential Adobe 3</p>	No
Ceramics II	.50	<p>This semester class is for students who are interested in expanding their knowledge in clay. Students will use the hand building techniques plus the potter's wheel to form their projects. They will also experiment with glaze formulation, construction techniques and various firing methods.</p> <p>Career Pathway: Arts, Audio/Video Technology and Communications</p>	<p>Fine Arts Requirement Met, Local Seal Fine & Performing Arts, Credential Adobe 3</p>	No
Portfolio Development	1.0	<p>Recommendation: Art majors should take this course either the 2nd semester of their junior year or the 1st semester of their senior year. This class is for students who are applying to art school.</p> <p>Students will work independently on projects to build the depth and breadth of their portfolio for admission or scholarship competition for college or art school. They will use a variety of media and techniques to fine tune advanced skills in areas chosen jointly by the instructor and student.</p> <p>Career Pathway: Arts, Audio/Video Technology and Communications</p>	<p>Fine Arts Requirement Met, Local Seal Fine & Performing Arts, College Credit</p>	Yes 1.5

Digital Media & Communications



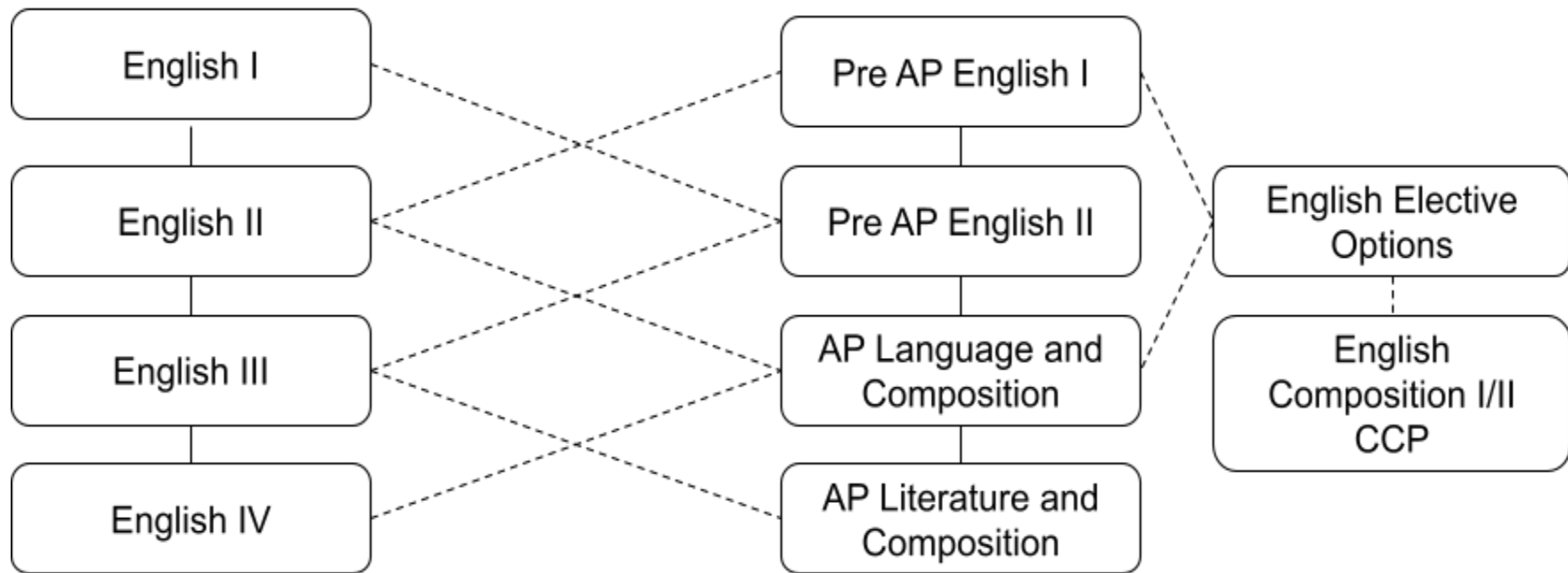
Course Name	Credit	Course Description	Outcomes	Weighted
Intro to Digital Media	.5	This course introduces students to Telecom, key concepts, technologies, and issues related to digital media. Topics include emerging standards, key technologies and related design issues, terminology, media formats, career paths, and ethical issues. Upon completion students should be able to demonstrate the various media formats that are used in digital media technology. Career Pathway: Arts, Audio/Video Technology and Communications	Fine Arts Requirement Met, Local Seal Fine & Performing Arts or Engagement Seal	No
Telecommunications I	1.0	Telecom is an interactive media lab which introduces students to procedures and practices necessary to produce, direct and perform the capture, and edit a broadcast of a variety of provided media events. Telecom I students will assemble, produce and broadcast a Daily NewsCast for the school announcements. Career Pathway: Arts, Audio/Video Technology and Communications	Fine Arts Requirement Met, Local Seal Fine & Performing Arts or Engagement Seal. State Seal Technology	No
Telecommunications II	1.0	Students pursue advanced study of audio/video production, analyzing social impacts of media and the development/implementation of creative visualization through media. Whereas students in Telecom I are provided opportunities to capture and edit media events, Telecom II students are encouraged to create unique media events of their own in addition to working collaboratively with Telecom I students as mentors. Career Pathway: Arts, Audio/Video Technology and Communications	Fine Arts Requirement Met, Local Seal Fine & Performing Arts or Engagement Seal. State Seal Technology	No
MTC Video and Photography Technology (CCP)	1.0	Successful admission to MTC. Students pursue advanced study of audio/video production, analyzing social impacts of media and the development/implementation of creative visualization through media. Whereas students in Telecom I are provided opportunities to capture and edit media events, Telecom II students are encouraged to create unique media events of their own in addition to working collaboratively with Telecom I students as mentors.	Fine Arts Requirement Met, Local Seal Fine & Performing Arts or Engagement Seal. State Seal Technology, College Credit	Yes 2.0
Yearbook I	1.0	Students used digital media, photography, printing, editing, grammar use, photo editing, and construction of print media to create the Harding Quiver Yearbook.	Fine Arts Requirement Met, Local Seal Fine & Performing Arts or Engagement Seal	No

Yearbook II	1.0	Students used digital media, photography, printing, editing, grammar use, photo editing, and construction of print media to create the Harding Quiver Yearbook.	Fine Arts Requirement Met, Local Seal Fine & Performing Arts or Engagement Seal	No
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Computer Science

Course Name	Credit	Course Description	Outcomes	Weighted
AP COMPUTER SCIENCE A (Java)	1.0	AP Computer Science A is an introductory college-level computer science course. Students cultivate their understanding of coding through analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures. The course emphasizes object-oriented programming and design using the Java programming language. Students who earn a qualifying score on an AP Exam in May are typically eligible, in college, to receive credit, placement into advanced courses, or both. This course can be used to satisfy graduation requirements for an advanced math or science course. Career Pathways: Information Technology and Science Technology Engineering and Math	AP Test transferable College Credit, State Seal Technology, Math or Science Credit	Yes 2.0

<p>AP COMPUTER SCIENCE PRINCIPLES</p>	<p>1.0</p>	<p>AP Computer Science Principles is an introductory college-level computing course. Students cultivate their understanding of computer science through working with data, collaborating to solve problems, and developing computer programs as they explore concepts like creativity, abstraction, data, algorithms, programming, the internet, and the impact of computing. Students who earn a qualifying score on an AP Exam in May are typically eligible, in college, to receive credit, placement into advanced courses, or both. This course can be used to satisfy graduation requirements for an advanced math or science course. Career Pathways: Information Technology and Science Technology Engineering and Math</p>	<p>AP Test transferable College Credit, State Seal Technology, Math or Science Credit</p>	<p>Yes 2.0</p>
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English Elective Courses:

- Journalism (1.0 credit)
- Harding Herald (1.0 credit)
- Film Studies I (.5 credit)
- Film Studies II (.5 credit)
- Creative Writing and Reading (.5 credit)

English

Communication skills are among the most critical skills that students learn. The ability to read, write, speak, and listen has a direct bearing on the quality of their lives. More than any other ability, the ability to communicate defines the parameters of students' potential to learn.

Course Name	Credit	Course Description	Outcomes	Weighted
ENGLISH I	1.0	This course will contain all of the prescribed elements for an integrated program as modeled by the Ohio Learning Standards. Students will participate in all forms of language - writing, reading, speaking, and listening - in an interactive classroom.	HS ELA Credit	No
ENGLISH II	1.0	This course will contain all of the prescribed elements for an integrated program as modeled by the Ohio Learning Standards. Students will participate in all forms of language - writing, reading, speaking, and listening - in an interactive classroom.	HS ELA Credit, State Test Competency	No
ENGLISH III	1.0	This course will focus on American literature and contains all of the prescribed elements for an integrated program as modeled by the Ohio Learning Standards. Students will participate in all forms of language - writing, reading, speaking, and listening - in an interactive classroom. A research paper is completed	HS ELA Credit	No
ENGLISH IV	1.0	This course focuses on British literature and contains all of the prescribed elements for an integrated program as modeled by the Ohio Learning Standards. Students will participate in all forms of language -writing, reading, speaking, and listening - in an interactive classroom.	HS ELA Credit	No
PRE AP ENGLISH I and II	1.0	English 2 builds on the foundation of English 1, with an emphasis on the recursive moves that matter in preparing students for the challenges of college-level reading, writing, and discussion. While English 1 introduces the fundamental routines of close observation, critical analysis, and appreciation of author's craft, English 2 requires students to apply those same practices to a new host of nonfiction and literary texts. As readers, students develop a vigilant awareness of how the poet, playwright, novelist, and writer of nonfiction alike can masterfully manipulate language to serve their unique purposes. As writers, students compose more nuanced analytical essays without losing sight of the importance of well-crafted sentences and a sense of cohesion.	HS ELA Credit, Advanced Placement Pathway	Yes 1.5

AP ENGLISH LANGUAGE AND COMPOSITION	1.0	AP English Language and Composition is an introductory college-level composition course. Students cultivate their understanding of writing and rhetorical arguments through reading, analyzing, and writing texts as they explore topics like rhetorical situation, claims and evidence, reasoning and organization, and style.	HS ELA Credit, Advanced Placement Pathway, AP Test College Credit	Yes 2.0
AP ENGLISH LITERATURE AND COMPOSITION	1.0	AP English Literature and Composition is an introductory college-level literary analysis course. Students cultivate their understanding of literature through reading and analyzing texts as they explore concepts like character, setting, structure, perspective, figurative language, and literary analysis in the context of literary works.	HS ELA Credit, Advanced Placement Pathway, AP Test College Credit	Yes 2.0
JOURNALISM	1.0	Students will write articles for the school newspaper and be required to complete daily work after school. This course is designed to give students a working knowledge of writing and editing for publication and additionally the computer skills necessary for basic page designs. Students will look at the history of the media, how it has affected the world of today and other pertinent issues in newspaper, radio, television and the internet.	HS ELA Credit, Local Seal Fine & Performing Arts or Engagement	No
FILM STUDY I	.5	The course presents an introductory overview of film analysis, film history, and film production. Students will view, study, discuss, and write about film to develop and demonstrate skills in technological, cultural, and media literacy. Students will study the history of American film from silent to the Production Code, to modern films. Classic films and modern films will be studied as texts for analysis. Students taking this course should expect to write in-depth analyses about, discuss, and create their own films	HS ELA OR Social Studies Credit, Credential Adobe Premier 4	No
FILM STUDY II	.5	The course presents an advanced overview of film analysis and production that continues upon the concepts within Film Studies 1. Students will view, analyze, discuss, write about, and create films to further develop media literacy and production skills. Adaptation from novel to film will be the focus of this course with the overarching semester project of creating and producing one's own adaptation of a film.	HS ELA OR Social Studies Credit, Credential Adobe Premier 4	No

CREATIVE WRITING AND READING	1.0	This semester course is an interesting and challenging elective offered to the college-bound student. Students will spend considerable time developing a basic foundation in creative writing: prose and poetry, fiction and nonfiction. The course includes the reading, analysis, and writing of various genres. The course will also involve the study of a variety of teacher-selected and student-selected works.	HS ELA Credit, Local Seal Fine & Performing Arts	No
HERALD I/II/III	1.0	Students in the <i>Harding Herald</i> course are responsible for story and photo assignments, editing and layout (page design) of the school newspaper. <i>Herald</i> students work with other students on story assignments and editing for issues that are printed approximately eight times per year.	HS ELA Credit, Local Seal Fine & Performing Arts or Engagement	No

ENGINEERING PATHWAY

Courses in the engineering department can also serve a wide variety of student interests. The curriculum adopted for the following classes are from the Project Lead the Way non-profit organization. Project Lead the Way is the nation's leading provider of science, technology, engineering, and math (STEM) programs. Project Lead the Way is helping students develop the skills needed to succeed in the global economy. Their primary goal is to introduce high school students to the world of engineering using math, science, and technology. It is recommended that students take Engineering Design first and Engineering Principles second. Following the completion of these two classes, it is recommended that students interested in additional engineering classes consider "Robotics & Programming" at Harding or if a student is interested in earning college credit and related certifications which can be applied and listed on job applications, they enroll in Advanced Manufacturing Engineering at RAMTEC located on the Tri-Rivers campus.

Course Name	Credit	Course Description	Outcomes	Weighted
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ENGINEERING DESIGN	1.0	This year-long course teaches problem-solving skills using a design development process. Students will learn how to use 3d Design Software and create their designs using 3d Printers. This course will prepare you for careers in a wide variety of STEM or Creative fields. There is potential to receive college credit for this course if taken in conjunction with other engineering or AP Courses	Elective Credit, Credential AutoDesk Inventor, PLTW College Credit Test	No
ENGINEERING PRINCIPLES	1.0	This year-long course helps students understand the field of engineering/ engineering technology. Topics include mechanisms, energy, statics, materials, and kinematics. Additionally, students will learn material properties and electrical, control and fluid power systems. Students will learn to apply problem solving, research and design to create solutions to engineering challenges.	Elective Credit, Credential AutoDesk Inventor, PLTW College Credit Test	No
ROBOTICS & PROGRAMMING	1.0	This year-long course helps students understand the field of engineering, robotics, and programming technology. Students will	Elective Credit, Credential	No
		explore a number of different program languages such as Robot C and P-Basic. Students will use the VEX Robotics Building System to create robots capable of carrying out identifiable tasks.	AutoDesk Inventor, PLTW College Credit Test	

Family and Consumer Science

Course Name	Credit	Course Description	Outcomes	Weighted
PRINCIPLES OF NUTRITION & WELLNESS	.50	In this course, students will use the principles of nutrition to ensure a healthy body throughout the lifecycle. An emphasis will be placed on planning and preparing meals with an understanding of nutrients and their benefits, portion control and dietary needs. Additional information will include safety, proper use of kitchen equipment, time management and food costs. Out of class assignments are a course requirement.	Elective Credit, Credential I ServSafe 3, WebXam, Local Seal Engagement (FCCLA)	No

INTRODUCTION TO FAMILY & CONSUMER SCIENCE	.50	<p>This first course will provide students with an overview of Family and Consumer Sciences. Students will be introduced to child development, and family relationship concepts. An introduction to food preparation, safety, sanitation, and nutritional meal choices. Additionally, students will identify financial literacy and consumer economic principles. Students will be introduced to the concepts of design through textiles for personal and home use. Throughout the course, students will develop communication, leadership, and career investigation skills.</p> <p>Career Pathways: Human Services</p>	Elective Credit, Credential ServSafe 3, WebXam, Local Seal Engagement (FCCLA)	No
TRANSITIONS	.50	<p>Gourmet Foods gives students an experience preparing a variety of This course will help students prepare for the changes in life. The class topics will help them improve decision making skills and communication skills. Students will also increase their knowledge on job searching skills to help them achieve their goals and be successful.</p> <p>Career Pathways: Hospitality and Tourism</p>	Elective Credit, Local Seal Engagement (FCCLA)	No
CHILD DEVELOPMENT	.50	<p>In this course, students will study the principles of child growth, development and behavior. An emphasis will be placed on the cognitive development of a child and sensory and motor skills. Additional topics will include skills for dealing with physical, emotional, social and intellectual needs of family members, pregnancy, childhood diseases, immunizations, theories of development, learning styles, and evaluating childcare services. Out of class assignments are a course requirement. Career Pathways: Hospitality and Tourism</p>	Elective Credit, Local Seal Engagement (FCCLA), Credential CPR/AED	No
CULINARY FUNDAMENTALS	.50	<p>In this course students will apply fundamental culinary techniques, such as knife handling skills, and the recognition, selection and proper use of tools and equipment. Students will apply standard recipe conversions using proper scaling and measurement techniques.</p> <p>Career Pathways: Human Services</p>	Elective Credit, Credential ServSafe 3, WebXam, Local Seal Engagement (FCCLA)	No

CAREER & COLLEGE READINESS	.50	In this course, students will develop effective learning strategies and skills to provide a strong foundation for successful lifelong learning. Throughout the course, students will research careers and occupations, review postsecondary admissions qualifications, develop interviewing skills. Additional topics will include principles and techniques of professionalism, networking, conflict-resolution, negotiation, leadership and entrepreneurship. This course may have additional out of class internship opportunities. Career Pathways: Education and Training	Elective Credit, Local Seal Engagement (FCCLA)	No
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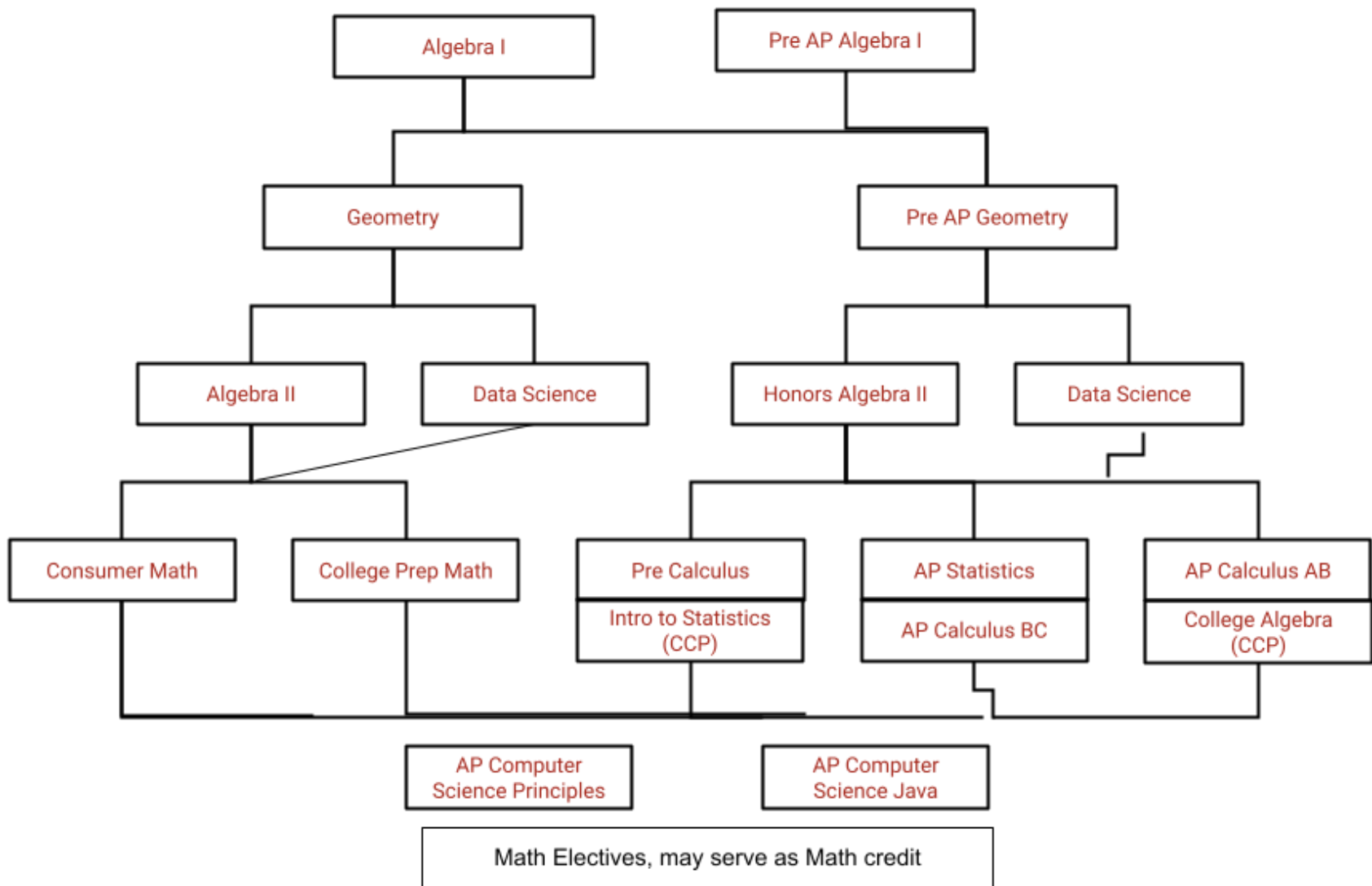
Health and Physical Education

Physical Education offers a wide variety of physical activities and learning experiences, which encourages a lifetime habit of physical activity and fitness. The program is designed to develop the individual's physical, mental, social, and emotional growth. The P.E. classes use the Ohio Physical Education Standards to assess students' abilities and levels. Physical Education courses incorporate the Fitnessgram Test to test for muscular strength and endurance. The classes will participate in the weight room using universal weight equipment and steppers in a circuit training form to develop total physical fitness. Along with the fitness program students also participate in the following team activities: soccer, speedball, floor hockey, flag football, basketball, volleyball, softball, wiffle ball, kickball, eclipse ball, and team handball. Individual and dual activities included in class are tennis, aerobics, bowling, pickleball, track and field, yoga, and disc golf.

Course Name	Credit	Course Description	Outcomes	Weighted
Health	.5	Health concerns total exploration of the physical, mental and social aspects of growing into adulthood. The course focuses on preventive health measures by explaining proper techniques and practice in self-care. Specific areas of study include: Peer and Family Relationships and Dating Violence, Family Life Education - including birth control, STI, STD, AIDS, Drug Education - Alcohol and Tobacco Abuse, Drugs (over the counter, illegal, and prescription drugs), First Aid - Basic Anatomy, Physiology, Mental/ Emotional Health Behavior and Stress and Conflict Resolution Skills, and Nutrition/Fitness. Students will need a pocket folder and dry erase markers. Students will be required to complete CPR, first aid, and AED training for credentialing.	Credential 1 CPR/First Aid & AED	No
Physical Education	.25	The focus of this class is to introduce students to the weight room equipment and new activities at the high school level. Students will be assessed on participation during class, and written assignments. Students will begin to examine their own personal fitness levels and start to brainstorm a fitness plan for the future. Students will become familiar with new vocabulary and understand the different muscle groups of the body. Students will complete a marketing campaign for an activity of their choice. Students are required to change clothes for class each day of the semester. This class is graded as pass/fail. Students with medical issues over the course of the semester will have alternate work given for participation grades.	PE Requirement Met	No

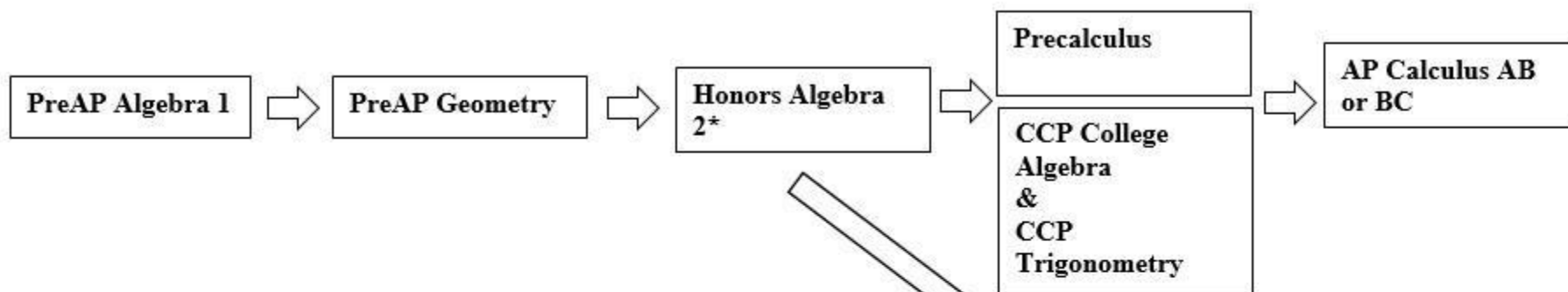
Advanced Physical Training	.5	This course will help student athletes develop physically. Athletes will demonstrate knowledge of total fitness/lifelong fitness while utilizing proper training techniques. Students in this class will gain awareness of their individual fitness level, and will be pushed to achieve higher levels of physical fitness and athletic ability. This course will serve as an alternative to after school weight lifting. This course is designed to introduce safety, proper technique, and benefits of physical training. Student progression will include: An introduction to advanced safety principles, training techniques, benefits of physical training, implementation of strength, balance, and conditioning programs, aerobic/anaerobic activities to gain strength, knowledge and skills to develop total fitness, including the health and skill-related components of fitness. An introduction to lifelong fitness and total wellness through the use of aerobic/anaerobic activities and weight training. Students will be pushed to implement the gained experience to enhance current levels of fitness and athleticism.	PE Requirement Met	No
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Workplace Learning	.5	Students will engage in entry level exposure to the sixteen career clusters and Harding High School Pathways. Students will gain experience and credentials with OSHA10 and CPR training. Students will learn financial literacy and preparation for adult living. The course helps support students transitioning to high school, specifically social and emotional supports, test taking, study skills, organization, and personal advocacy. Recommended for all students as students begin their learning at Harding High School.	Credentials CPR/First Aid/AED, OSHA10, Pathways Introduction	No
Workplace Training	1.0	Students will engage exposure to the sixteen career clusters, specifically focusing on best practices in the workplace, retail, customer service, and soft skills. Students will learn financial literacy and preparation for adult living. The course helps support students in their junior and senior year, prepare for the workplace and earn a twelve point credential in RiseUp.	Credentials (12)	No
MTC Medical Terminology (CCP)	1.0	This course builds a workable medical vocabulary applicable to all specialties of medicine. The student will learn definitions, pronunciations, spelling and abbreviations of anatomical structures, symptomatic diagnostic and procedural terms pertaining to each medical specialty and body system. Medical terms will also include pharmacology, clinical laboratory, radiology, and surgery. Basic anatomy and physiology and common human diseases will be covered for each body system. 3 Cr Hrs. Course Requirement(s): None. Ohio TAG Course [OHL020].	College Credit, HS Elective, Possible STNA credential	Yes

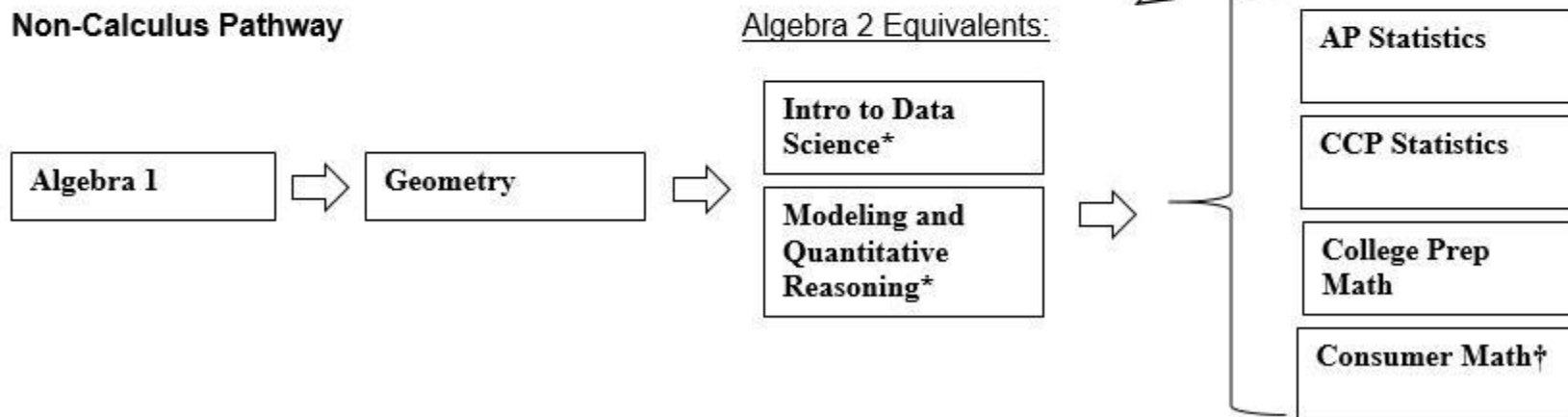


Math Course Flowchart

Calculus Pathway



Non-Calculus Pathway



* You must take ONE of these courses to graduate.

† This course does not prepare students for college-level mathematics.

Mathematics

The Harding Math Department will educate and empower all students with a rigorous, relevant, and equitable curriculum. As a result, students will be able to meet their future goals, think critically, and appreciate the world with a mathematical mindset.

Course Name	Credit	Course Description	Outcomes	Weighted
Financial Literacy	.5	Financial Literacy: The content covered in the financial literacy standards and model curriculum has immediate implications for high school students as they begin to make large financial decisions such as purchasing cars, signing contracts for places to live or taking out loans to continue their education. The goal of financial literacy instruction is to provide students with the knowledge they need to make a lifetime of informed financial decisions.	Graduation requirement (2026 and beyond)	No
Algebra 1	1.0	This course will provide students with a variety of opportunities to explore all aspects of Algebra using ConnectEd (on-line book) and ALEKS (supplemental math program). The focus of this course is on the Real Number System, Equations, Inequalities, Polynomials, Functions, Graphing, and Systems of Equations. A high level of emphasis is placed on vocabulary used in each standard. Throughout the course, algebraic concepts are connected to arithmetic skills to build on what students know and corresponding end of course exam problems are practiced. The use of uniform solution strategies and other test-taking skills are emphasized. Successful completion of this course (C or better) is critical for passing the end of course exam and for further development in math in high school and college.	HS Math Credit, Ohio State Test Competency	No

<p>Pre AP Algebra I</p>	<p>1.0</p>	<p>This course will provide students with a variety of opportunities to explore all aspects of Algebra using ConnectEd (on-line book) and ALEKS (supplemental math program). The content reflects the course content expectations as developed by the Ohio Learning Standards for Mathematics. The focus of this course is on Solving Equations & Inequalities, Polynomials, Functions, Graphing, Systems of Equations & Inequalities, Rational Expressions & Equations and an Introduction to Matrices. Throughout the course, algebraic concepts are connected to arithmetic skills to build on what students know and corresponding end of course problems are practiced. This course will explore a deeper depth of knowledge and further critical thinking skills. Successful completion of this course (C or better) is critical for passing the end of course exam and for further development in math in high school and college.</p>	<p>HS Math Credit, Ohio State Test Competency, Advanced Placement Pathway</p>	<p>Yes 1.5</p>
<p>Geometry</p>	<p>1.0</p>	<p>This course will provide students with a variety of opportunities to explore all aspects of Geometry using ConnectEd (on-line book) and ALEKS (supplemental math program). The focus of this course is on the fifth standard. Geometry and spatial sense, including such topics as geometric proofs, polygons with an emphasis on triangles, circles, surface area, volume, and trigonometry are studied. Further development of the logic laws, critical thinking, and advanced algebra skills is accomplished through the use of applications in preparation for the end of course exam. Successful completion of this course (C or better) is critical for passing the end of course exam and for further development in math in high school.</p>	<p>HS Math Credit</p>	<p>No</p>
<p>Pre AP Geometry</p>	<p>1.0</p>	<p>This course will provide students with a variety of opportunities to explore all aspects of Geometry using ConnectEd (on-line book) and ALEKS (supplemental math program). The focus of this course is on the fifth standard. Geometry and spatial sense, including such topics as geometric proofs, polygons with an emphasis on triangles, circles, surface area, volume, and trigonometry are studied. Further development of the logic laws, critical thinking, and advanced algebra skills is accomplished through the use of applications in preparation for the end of course exam. Successful completion of this course (C or better) is critical for passing the end of course exam and for further development in math in high school and college.</p>	<p>HS Math Credit, Advanced Placement Pathway</p>	<p>Yes 1.5</p>

Honors Algebra II	1.0	This course will provide students with a variety of opportunities to explore all aspects of Algebra II using ConnectEd(on-line book) and ALEKS (supplemental math program)This course emphasizes advanced algebra concepts – solving various types of equations; solving systems of equations and the use of matrices; and applications of trigonometry. The successful completion of this course is needed to proceed in the further development of mathematics at the post-secondary level.	HS Math Credit	Yes 1.5
Quantitative Reasoning	1.0	This course is designed to promote reasoning, problem-solving and modeling through thematic units focused on mathematical practices while reinforcing and extending content in Number and Quantity, Algebra, Functions, Statistics and Probability, and Geometry. This course is an Algebra 2 equivalent course and will satisfy the credit requirement for Algebra 2.	HS Math Credit Algebra II Equivalency	No
Data Science	1.0	The Data Science course is an advanced quantitative reasoning course. Quantitative Reasoning is the application of basic mathematics skills, such as algebra, to the analysis and interpretation of quantitative information (numbers and units) in real-world contexts to make decisions relevant to daily life. Critical thinking is its primary objective and outcome. It emphasizes interpretation, representation, calculation, analysis/synthesis, assumptions and communication. This course is an Algebra 2 equivalent course and will satisfy the credit requirement for Algebra 2.	HS Math Credit Algebra II Equivalency	No
Consumer Math	1.0	This course is designed to assist students in understanding how to manage their own money and to live on their own. Topics will include: purchasing a home, leasing or purchasing a car, banking, credit and debit cards, insurance and other financial matters.	HS Math Credit	No
College Prep Math	1.0	This course is for students who intend to pursue education after high school in a social science or humanities field. The purposes of this course are (1) to prepare you to do well in college-level mathematics and statistics coursework, (2) to better prepare you for the mathematics portion of the ACT and for college mathematics placement exams, and (3) to help you learn about the math requirements at your intended college(s) or university(/ies) and for your intended major(s).	HS Math Credit	No

AP Statistics	1.0	<p>Prerequisite: Algebra II (National Standard)</p> <p>This course will focus on these four major areas: Exploring data (describing patterns and departures from patterns), Sampling and experimentation (planning and conducting a study), Anticipating patterns (exploring random phenomena using probability and simulation), Statistical inference (estimating population parameters and testing hypotheses). Students who successfully complete the course and AP exam may receive credit or advanced placement for an introductory college statistics course.</p>	HS Math Credit, Advanced Placement Pathway, AP Test College Credit	Yes 2.0
Pre-Calculus	1.0	<p>This course is designed around the Ohio Learning standards. The major concentrations are in the areas of algebraic functions and graphs, polynomial, rational, exponential, logarithmic and trigonometric functions. A graphing calculator is used to investigate topics in this course.</p>	HS Math Credit	Yes 1.5
AP Calculus AB	1.0	<p>In this course you will explore the concepts, methods, and applications of limits and continuity, derivatives and their applications, and integrals and their applications. You'll work to understand the theoretical basis and solve problems by applying your knowledge and skills. This course is equivalent to a first-semester college calculus course devoted to topics in differential and integral calculus. Students who successfully complete the course and AP exam may receive credit or advanced placement for a calculus course in college.</p>	HS Math Credit, Advanced Placement Pathway, AP Test College Credit	Yes 2.0
AP Calculus BC	1.0	<p>In this course you will explore the concepts, methods, and applications of differential and integral calculus, including topics such as limits and continuity; derivatives and their applications; integrals and their applications; parametric, polar, and vector functions; and series. You'll perform experiments and investigations and solve problems by applying your knowledge and skills. This course is equivalent to a first-semester college calculus course and the subsequent single-variable calculus course. Students who successfully complete the course and AP exam may receive credit or advanced placement for a calculus course in college.</p>	HS Math Credit, Advanced Placement Pathway, AP Test College Credit	Yes 2.0

MTC College Algebra (CCP) MTH 1245	1.0	MTH1245 College Algebra emphasizes the use of algebra and functions in problem solving and modeling. Appropriate use of technology and applying mathematics to real-world situations is emphasized. Topics include relations, functions, graphs, polynomial functions, rational functions, exponentials, logarithms, and systems of equations. 3 Cr. Hrs. Course Requirement(s): Appropriate Placement Score or MTH0920 .	College Credit	Yes 2.0
MTC Statistics (CCP) MTH 1240	1.0	Statistics is an introduction to descriptive inferential statistical methods including sampling probability, point and interval estimation, hypothesis testing and regression. Real data and appropriate technology will be used. 3 credit hours . Appropriate Placement Score or MTH0910 .	College Credit	Yes 2.0
MTC Trigonometry (CCP) MTH 1250	1.0	Semester 2 This course is a continuation of College Algebra. Topics covered include analytic functions, polar coordinates, and vectors, analytic geometry systems of equations and inequalities sequences, induction and the binomial theorem and a preview of calculus. 3 credit hours Appropriate Placement Score or MTH1245 .	College Credit	Yes 2.0

Music

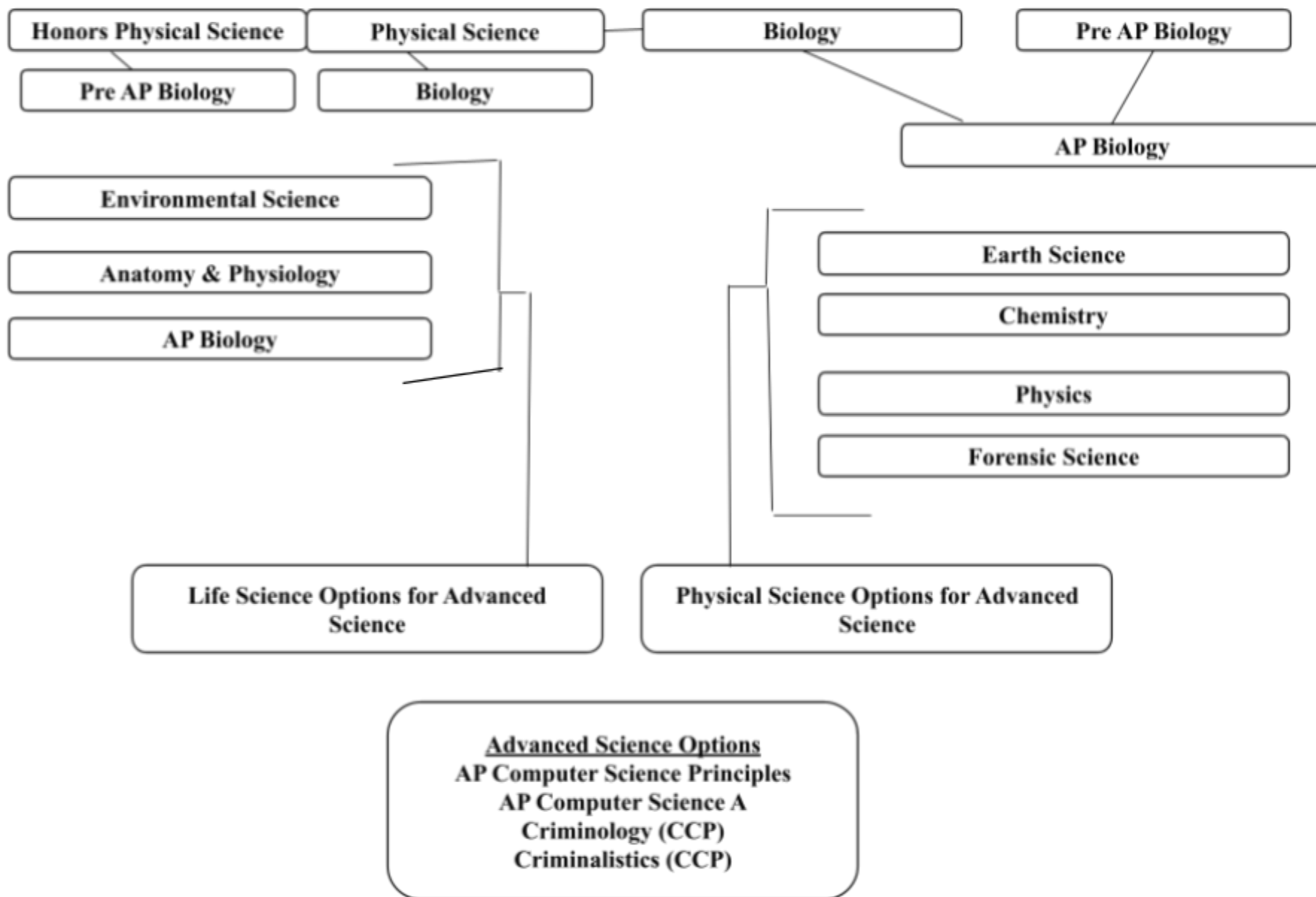
Course Name	Credit	Course Description	Outcomes	Weighted
Concert Choir	1.0	This choir of mixed voices, females and males, is made up of students with an interest in singing. Required performances include concerts in the winter and spring, OMEA District Choir Contest, and possibly OMEA State Choir Contest. Optional performances include OMEA Solo and Ensemble Contest, all school musical, and Panorama. The more advanced students are encouraged to audition for the OMEA All-State Choir. Career Pathway: Art, Audio/Video Technology and Communication	Fine Arts Met, Local Seal Fine & Performing Arts or Engagement	No

Pop Choir	1.0	<p>This choir of mixed voices, females and males, is made up of students with an interest in singing various popular songs. Students who play guitar, bass guitar, and drum set are encouraged to join. Required performances include a winter and spring concert and community performances when scheduled. This is not a contest choir. Optional performances include OMEA Solo and Ensemble Contest, school musical, and Panorama.</p> <p>Career Pathway: Art, Audio/Video Technology and Communication</p>	Fine Arts Met, Local Seal Fine & Performing Arts or Engagement	No
Adv. Women's Chorus	1.0	<p>Recommendation: 8th Grade Choir or Concert Choir. Required performances include concerts in the winter and spring, OMEA District Choir Contest, and possibly OMEA State Choir Contest. Optional performances include OMEA Solo and Ensemble Contest, all school musical, and Panorama. The more advanced students are encouraged to audition for the OMEA All-State Choir.</p> <p>Career Pathway: Art, Audio/Video Technology and Communication</p>	Fine Arts Met, Local Seal Fine & Performing Arts or Engagement	No
Show Choir	1.0	<p>Students are challenged with advanced choral music, vocal pedagogy, choral techniques, rehearsal and performance techniques. <u>Required performances</u> include concerts in winter and spring, OMEA District Choir Contest, possibly OMEA State Choir Contest, Harding High School graduation, and other community/school performances scheduled. Optional performances include OMEA Solo and Ensemble Contest, school musical, and Panorama. The more advanced students are encouraged to audition for OMEA All-State Choir.</p> <p>Career Pathway: Art, Audio/Video Technology and Communications</p>	Fine Arts Met, Local Seal Fine & Performing Arts or Engagement	No
Music Appreciation	1.0	<p>This course is designed to emphasize a general knowledge and understanding of music theory and music history. Students are challenged with an in-depth study of how music is written, time periods it derived from, and how to utilize music theory knowledge into daily practice. There will be required observations and experiences in music.</p> <p>Career Pathway: Art, Audio/Video Technology and Communication</p>	Fine Arts Met	

<p>Band</p>	<p>1.0</p>	<p>Harding High School has a single band program throughout the year. During the summer and football seasons the band marches at selected community activities, OMEA marching band adjudicated events and football games. All band students will be <i>required</i> to participate in out-of-school performances and rehearsals, as scheduled. Immediately after the marching season, the bands are organized into two concert groups – Concert Band and Symphonic Band. Required performances: Football games, OMEA adjudicated concert and marching band festivals, Popcorn/Christmas/Memorial Day Parades, a select number of winter Basketball Pep Band games, spring concert, Harding High School Graduation and any other community/school performances when scheduled. Students are encouraged, but not required to participate in OMEA District 2 Solo and Ensemble. The more advanced students are also encouraged to audition for Stardusters Jazz Ensemble, OMEA honor groups and other honor festivals/groups in the area</p> <p>Career Pathway: Art, Audio/Video Technology and Communication</p>	<p>Fine Arts Met, Local Seal Fine & Performing Arts or Engagement</p>	<p>No</p>
<p>Concert Orchestra</p>	<p>1.0</p>	<p>Concert orchestra is a performance-based ensemble comprised of string players. Students will strive to achieve fundamentals of string performance through string pedagogy/techniques, string and full orchestra literature, the use of clinicians, individual sectionals, and rehearsal/concert etiquette. Wind and percussion players will be selected at the discretion of the band and orchestra directors. Required performances: include: Winter/Spring concerts, OMEA contests/festivals, recruiting concerts, and any other performance deemed beneficial to the advancement of the orchestra by the directors. Students are encouraged to participate in OMEA solo and ensemble, HHS musical pit orchestra (by audition), and Panorama</p> <p>Career Pathway: Art, Audio/Video Technology and Communication</p>	<p>Fine Arts Met, Local Seal Fine & Performing Arts or Engagement</p>	<p>No</p>

<p>AP Music Theory</p>	<p>1.0</p>	<p>This course in theory is designed to emphasize an in-depth study of music and its structure. Enrollment is limited to juniors and seniors who wish to pursue a career in music or are serious about music and who want a challenging course taught in a “standard” classroom setting. Objectives of the course are met through lecture, recorded listening, aural training, creative composition, and vocal sight-reading. Student grades will be composed of: classroom participation, homework, quizzes, and tests. Students must provide a 3-ring binder and a notepad of staff paper.</p> <p>Career Pathway: Art, Audio/Video Technology and Communication</p>	<p>Fine Arts Met, Local Seal Fine & Performing Arts or Engagement, Advanced Placement Pathway, AP Test College Credit</p>	<p>Yes 2.0</p>
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Science Courses Flow Chart



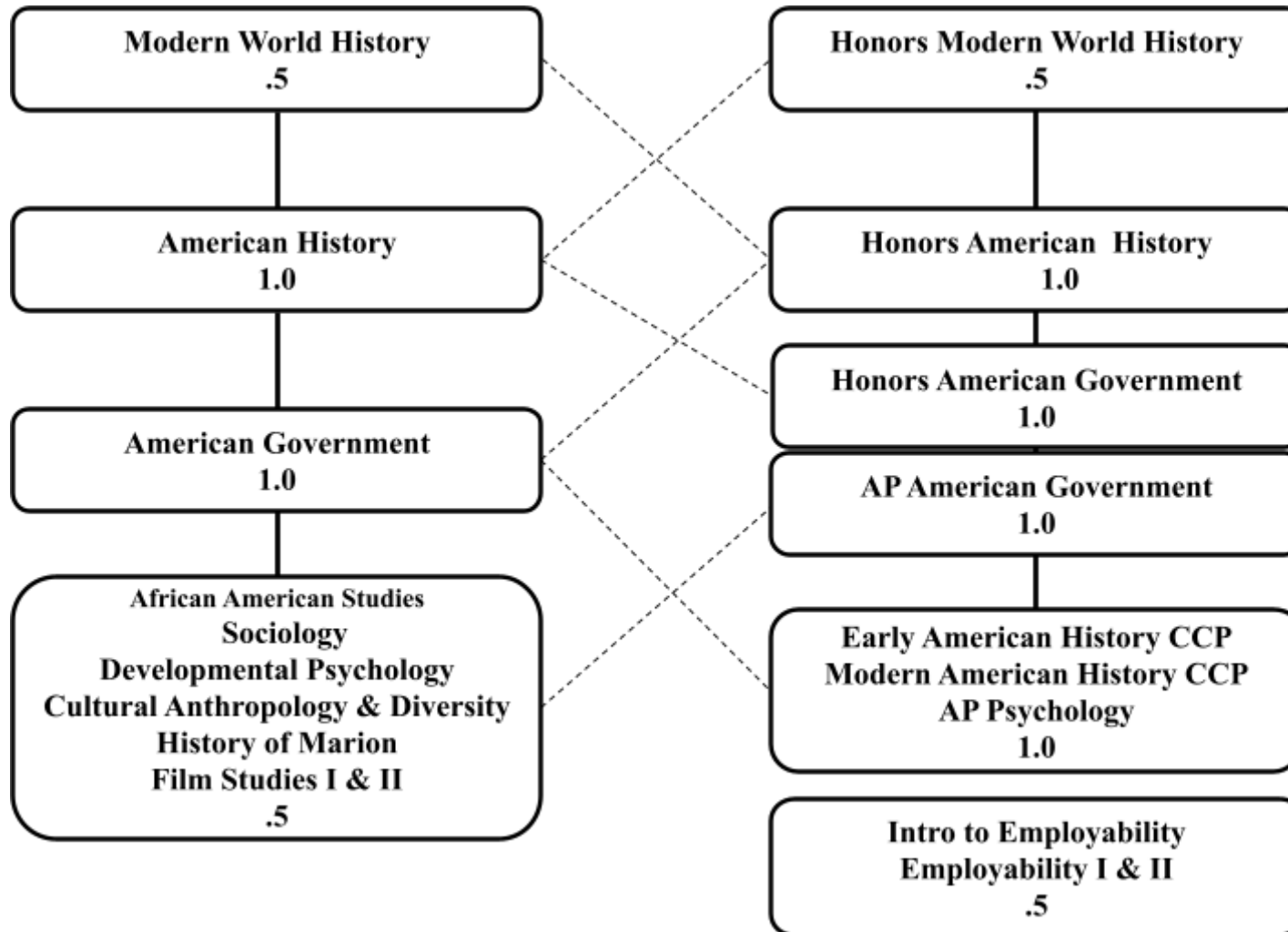
Science

Course Name	Credit	Course Description	Outcomes	Weighted
PHYSICAL SCIENCE	1.0	<i>This course is recommended for 9th grade students</i> , as it provides a foundation for all other science course options. The year starts with a bang as the big bang theory, the evolution of stars, and the beginning of all matter are explored. Matter and changes to matter are investigated for the first semester. The second semester focuses on introductory physics concepts such as Newton's laws and energy.	Physical Science requirement	No
HONORS PHYSICAL SCIENCE	1.0	<i>This course is recommended for 9th grade students</i> . The year starts with a bang as the big bang theory, the evolution of stars, and the beginning of all matter are explored. Matter and changes to matter are investigated for the first semester. The second semester focuses on introductory physics concepts such as Newton's laws and energy. The topics in this course are similar to the regular physical science class; however more details and mathematical computations are required. Algebra I skills are required. <i>This course provides a solid foundation for students who will be taking chemistry and physics in their subsequent years.</i>	Physical Science requirement	Yes 1.5
BIOLOGY I	1.0	<i>This course is recommended for 10th grade students who have not previously taken Pre-AP Biology</i> . Biology is the study of life and covers a multitude of topics including cells, genetics, evolution, and ecology. Through this course you will understand how your cells divide, how traits are passed from your parents to you, how organisms have changed over time, and the importance of our ecosystem and the organisms that live there. Furthermore, this course will provide you with a good foundation for future Life Science courses, such as AP Biology, Anatomy and Physiology, Environmental Science, etc.	Life Science requirement, Ohio State Test, State Seal Science with 3 on OST	No
PRE AP BIOLOGY I	1.0	<i>This course is recommended for 10th grade students who have not previously taken Pre-AP Biology</i> . Pre AP Biology is the study of life and covers a multitude of topics including cells, genetics, evolution, and ecology. Through this course you will understand how your cells divide, how traits are passed from your parents to you, how organisms have changed over time, and the importance of our ecosystem and the organisms that live there. The Pre AP curriculum will challenge the student to acquire knowledge independently, to master abstract concepts, and apply content to new situations. Furthermore, this course will provide you with strong foundations for future Life Science courses, such as Anatomy and Physiology, Environmental Science, etc.	Life Science requirement, Ohio State Test, Advanced Placement Pathway, State Seal Science with 3 on OST	Yes 1.5

ENVIRONMENTAL SCIENCE	1.0	Recommended that biology and physical science are taken first. Are you concerned about the world? Do you like to go outside and study nature? Do you want to better understand the complex environmental issues of today? If so, Environmental Science may be for you. We study ecological concepts of plant and animal relationships, food, and population. Climate change, hybrid cars, and renewable energy will also be topics of discussion. Emphasis will be placed on human populations and the resulting environmental impacts. We will be required to do hiking and outdoor activities, as well as student-led research. Be an environmentally aware citizen of the world - sign up for Environmental Science.	Life Science requirement, Possible Local Seal Community Service	No
EARTH SCIENCE	1.0	Recommended that biology and physical science are taken first.. If you are interested in learning more about our last frontier, to study areas where no man has gone before, then Earth Science is for you. A variety of areas such as meteorology, oceanography, and geology are included in this course. Laboratory experiments will provide some very interesting educational experiences. Projects will allow you to demonstrate your learning using different media	Physical Science requirement, Possible Local Seal Community Service	No
AP BIOLOGY	1.0	Option for <u>3rd</u> science class. Study the core scientific principles, theories, and processes that govern living organisms and biological systems. You'll do hands-on laboratory work to investigate natural phenomena. Study the core scientific principles, theories, and processes that govern living organisms and biological systems. You'll do hands-on laboratory work to investigate natural phenomena, collecting and analyzing data, interpreting data to draw conclusions, and developing and supporting a scientific claim with evidence. This is a college level biology course, with the work that is related and the option to take the AP test. College Board recommends students take Pre-AP Biology AND Chemistry OR Physical Science prior to taking this class.	Life Science requirement, Possible Ohio State Test, Advanced Placement Pathway, AP Test, State Seal Science, College Credit	Yes 2.0
CHEMISTRY	1.0	This is an option for <u>3rd</u> science credit. It is recommended that biology and physical science are taken first. Chemistry is designed to give students a basic understanding of chemical principles. This course explores the science of matter changing phase and composition. Subjects for study include, the atomic model, electron configurations, the periodic table, chemical bonds, nomenclature (naming), stoichiometry, solutions, acids and bases, energy, and the gas laws. Since there is an emphasis on both the theoretical and practical aspects of chemistry, students should expect an emphasis on problem solving and laboratory work.	Physical Science requirement	Yes 1.5

<p>PHYSICS</p>	<p>1.0</p>	<p>This is an option for <u>3rd</u> science credit. It is highly recommended that biology and physical science are taken first. Physics includes the study of motion, forces, momentum, energy, waves, light, electricity and magnetism. Students will be guided through many laboratory experiences to foster their inquiry, reasoning, analysis and communication skills. Algebra skills will be necessary for success in this course. This honors class extends these topics to include evaluating forces on inclined planes, Kepler's laws, sound waves and its properties, heat and calorimetry problems, applying the right hand rule to electricity and magnetism problems, and applying principles of electroacoustics to construct a simple speaker.</p>	<p>Physical Science requirement</p>	<p>Yes 1.5</p>
<p>ANATOMY AND PHYSIOLOGY</p>	<p>1.0</p>	<p>This is an option for <u>3rd</u> science credit. It is highly recommended that biology and physical science are taken first. Interested in a medical field such as physical therapy, veterinarian, or becoming a doctor or nurse? Are you thinking of a career in any healthcare field? If so, Anatomy and Physiology is the class for you. In this course students will take in-depth looks at the structure and the functions of the human body. Body systems such as the skeletal, muscular, nervous, excretory and digestive, are studied to explore their role in the maintenance of the whole organism. This course is recommended for the college-bound student interested in any area of health care including medicine, physical therapy, sports medicine, etc. Dissection of a rabbit is required.</p>	<p>Life Science requirement, Credential Health Pathway (STNA)</p>	<p>Yes 1.5</p>
<p>FORENSIC SCIENCE</p>	<p>1.0</p>	<p>This is an option for <u>3rd</u> science credit. It is highly recommended that biology and physical science are taken first. Do you like to solve mysteries, puzzles, interpret evidence, participate in hands-on activities? Are you interested in a career in forensic sciences or law enforcement? Then this class is for you. Topics for study include history of forensics, impression evidence, crime scene sketching, ballistics, DNA, trace evidence, handwriting analysis, and data collection and preservation. Laboratory experiences will support the connection between science and real life. This course will show how the structure of atoms, interaction of energy and matter, and chemical reactions all help to solve crimes.</p>	<p>Physical Science requirement, College Credit with acceptance</p>	<p>No</p>

Social Studies Flowchart



Social Studies

Course Name	Credit	Course Description	Outcome	Weighted
American History	1.0	U.S. Studies from 1877 to the Present: Post-Reconstruction through the 20 th century. Students will continue the chronological study of the history of the United States with emphasis on domestic affairs. This study incorporates each of the seven standards: history, people in society, geography, economics, government, citizenship rights and responsibilities, and social studies skills and methods. As students study historic eras, they consider the geographic, cultural, economic, and governmental changes that have occurred. Students develop a deeper understanding of their role as citizens and continue to expand their command of social studies skills and methods.	State Test, State Citizenship Seal	No
Honors American History	1.0	U.S. Studies from 1877 to the Present: Post-Reconstruction through the 20 th century. Students will continue the chronological study of the history of the United States with emphasis on domestic affairs. Student performance will be evaluated against more stringent criteria than would be normally true of a non-weighted course. A student in an honors course is expected to demonstrate higher performance levels with respect to critical thinking skills and writing skills.	Ohio State Test, State Citizenship Seal	Yes 1.5
Modern World History	.5	Early Revolutions – Enlightenment through the Bolshevik Revolution. This study incorporates each of the seven standards: history, people in society, geography, economics, government, citizenship rights and responsibilities, and social studies skills and methods. As students study historic eras, they consider the influence of geographic settings, cultural perspectives, economic systems, and various forms of government. Students gain a deeper understanding of the role of citizens and continue to develop their research skills.	Social Studies Requirement	No

Honors Modern World History	.5	World studies from 1750 to the present: Age of Enlightenment through the 20 th century. This study incorporates each of the seven standards: history, people in society, geography, economics, government, citizenship rights and responsibilities, and social studies skills and methods. As students study historic eras, they consider the influence of geographic settings, cultural perspectives, economic systems, and various forms of government. Students gain a deeper understanding of the role of citizens and continue to develop their research skills.	Social Studies Requirement	Yes 1.5
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Introduction to Employability Skills	.5	Employability-related vocabulary Soft skills Personal dress and hygiene. Introduction to employment needs and requirements	Social Studies or Elective Credit, Credential CPR/AED, Workkeys Prep	No
Social Skills for Employment I & II	1.0	Skills Applications Practice Applications Resources Application Needs and Requirements Application Portfolio Completion. Interviews for Post-Grad employment	Social Studies or Elective Credit, Credential CPR/AED, Workkeys Prep	No
American Government	1.0	Topics covered include philosophy of government, comparative world governments, national, state and local governments within the United States, as well as special emphasis on current affairs as they relate to the role and purpose of government today.	Ohio State Test, State Citizenship Seal	No
Honors American Government	1.0	This is an honors course where student performance will be evaluated against a more stringent criteria than in a non-weighted course. A student in a honors course is expected to demonstrate higher performance levels with respect to critical thinking skills and writing skills. The above description of American Government applies with a more in-depth study.	Ohio State Test, State Citizenship Seal	Yes 1.5

AP United States Government and Politics	1.0	This course is an advanced, in-depth study of U.S. government focusing on the following units: constitutional underpinnings of the United States government; political beliefs and behaviors; political parties, interest groups and mass media; institutions of national government: the Congress, the presidency, the bureaucracy, and the federal courts; public policy; and civil rights and civil liberties. This course is designed to prepare a student for the Advanced Placement Exam in addition to becoming an active, knowledgeable, contributing citizen.	State Test, State Citizenship Seal, Advanced Placement Pathway, AP Test College Credit	Yes 2.0
AP Psychology	1.0	The AP Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatments of psychological disorders, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, evaluate claims and evidence, and effectively communicate ideas.	Advanced Placement Pathway, AP Test College Credit	Yes 2.0
African American Studies	.5	The course will explore African American culture and society through art, music, literature, history, and current events. Students would benefit from this course by understanding the development of the culture's past and its relationship to the present.	Social Studies Credit or Elective	No
Sociology	.5	This semester course surveys certain core concepts composing the study of groups and human relationships. The goals of the course include thinking like a sociologist, developing your sociologist imagination, and appreciating cultural diversity.	Social Studies Credit or Elective	No
Developmental Psychology	.5	This semester course surveys the psychological study of behavior including the methods of inquiry and evaluation used by psychologists. It also contains information relating to issues that all individuals personally encounter in human development. Study should lead to more understanding and tolerance for individual differences. Students should not take this course if they plan on taking the full-year course of Psychology.	Social Studies Credit or Elective	No

Cultural Anthropology and Diversity	.5	The course will explore the concept of diversity through the study of culture, equality and inequality, and current events. This class will explain why society has stereotypes, and educate students about the many forms of diversity in our society. This class will offer students opportunities to give reactions and support opinions to events past and present.	Social Studies Credit or Elective	No
Film Studies I & II	1.0	The course presents an introductory overview of film analysis, film history, and film production. Students will view, study, discuss, and write about film to develop and demonstrate skills in technological, cultural, and media literacy. Students will study the history of American film from silent to the Production Code, to modern films. Classic films and modern films will be studied as texts for analysis. Students taking this course should expect to write in-depth analyses about, discuss, and create their own films.	HS ELA OR Social Studies Credit, Credential Adobe Premier 4	No
History of Marion, Ohio	.5	In this class, students will be exposed to the long and distinguished history of the city of Marion, Ohio. Covering a time span from its founding in 1822 to the present, this class will introduce members to the important people, places and events that have made Marion an influential community from the earliest days of America's agrarian society, through industrialization and into the modern technological age. Gaining a newfound respect for their hometown, students should expect a challenging course that includes guest speakers, on-site learning and project based research.	Social Studies or Elective Credit, Possible Local Seal Community Service	No
MTC Early American History (CCP)	1.0	This course is an introduction to the political, social, and cultural development of the American nation. HST1500 studies American civilization from the Age of Exploration through the Civil War. In addition, this course will focus on central themes and issues noted in the growth of the U.S. with the enduring theme being Life in Early America. The student will be asked to read supplementary analyses and critiques, and apply historical issues to modern topics. HST1500 will investigate the various dreams held by early Americans for the new nation and how these notions are interpreted by contemporary historians. 3 Cr Hrs. Course Requirement(s): None. Ohio Transfer Module (OTM) Course [TMSBS]; Ohio TAG Course [OHS043]; and, Ohio TAG Sequence Course HST1500 & HST1600 [OHS010].	College Credit, HS American History Credit, OST Test Grade Replacement	Yes 2.0

<p>MTC Modern American History (CCP)</p>	<p>1.0</p>	<p>This history course is an introduction to the political, economic, and social (with an emphasis on race, gender, and class) development of the American nation starting with Reconstruction. The primary objectives of this course are to develop your skills as a critical reader and provide you with fundamental knowledge about the events, people and institutions that have influenced and created America. We will examine how the perceptions of freedom and equality shifted and thus shaped American History. In addition, the course will investigate the various "dreams" Americans had as the nation progressed and how these are interpreted by contemporary historians. Key topics include the rise of industrialism and capitalism, the impact of immigration and urbanization, the rise of the US as a global power (including foreign relations) and how populism, civil rights and feminism shaped our culture, political and social institutions. 3 Cr Hrs. Course Requirement(s): None. Ohio Transfer Module (OTM) Course [TMSBS]; Ohio TAG Course [OHS044]; and, Ohio TAG Sequence Course HST1500 & HST1600 [OHS010].</p>	<p>College Credit, HS American History Credit, OST Test Grade Replacement</p>	<p>Yes 2.0</p>
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World Language

Students are encouraged to discuss world language selection with parents and guidance counselors. The study of a world language can be a very enjoyable experience for students who are willing to put forth the effort for this valuable program.

* Any student who has taken a level 3 language course (or higher) has the option to take a credit placement test through the Ohio State University at Marion. Based on the score obtained, students can receive college credit applicable at any state college/university. For more information, please contact your language teacher.

Course Name	Credit	Course Description	Outcome	Weighted
French I	1.0	This introduction to the French language stresses the four skills of speaking, listening, reading and writing. The ability to communicate in a language other than English is an important factor of French I. Tolerance for cultural and linguistic differences is developed as well as an increased understanding of the English language and culture. An introduction to the French speaking world, including its culture, geography, and history, is an integral part of the first year class. Career Pathway: Education and Training & Business & Hospitality and Tourism	Elective Credit, Possible College Credit with Test Out, Honors Diploma Requirement	No
French II	1.0	The material covered in French I is thoroughly reviewed and reinforced in French II. The communication skills of writing and speaking are stressed at this level. In addition, the student will increase his/her ability to comprehend both the written and spoken language. More in-depth instruction in French culture, geography, and history is presented in French II. Career Pathway: Education and Training & Business & Hospitality and Tourism	Elective Credit, Possible College Credit with Test Out, Honors Diploma Requirement	No
French III	1.0	This is a review and a reinforcement of the learning done in French I and French II. Correct grammar is stressed with communication and understanding still being emphasized. Oral and written activities emphasizing all communication skills in French are done. Culture is part of each lesson. More emphasis is placed on being able to communicate in modern French when going to college abroad or traveling in Quebec, France, or other French- speaking areas of the world. Career Pathway: Education and Training & Business & Hospitality and Tourism	Elective Credit, Possible College Credit with Test Out, Honors Diploma Requirement, State Seal Biliiteracy	Yes 1.5

French IV	1.0	This is a study of French culture, history, and literature. Final grammar points are covered along with a comprehensive grammar review. Emphasis is placed on oral and conversational French.	Elective Credit, Possible College Credit with Test Out, Honors Diploma Requirement, State Seal Bilingual	Yes 1.5
Spanish I	1.0	The principal goal of the study of Spanish is to effectively communicate one's thoughts, needs, wants and reactions in another language. The course concentrates on a balance of correct written and oral understanding and reproduction of the target language. Time is spent learning the culture of the Spanish-speaking world by incorporating basic vocabulary and grammar concepts into reading and exploring the people and countries where Spanish is spoken.	Elective Credit, Possible College Credit with Test Out, Honors Diploma Requirement	No
Spanish II	1.0	The second year of Spanish starts with a review of all major grammatical items presented in the first level course. The listening, speaking, reading, and writing skills are further developed in present and past verb tenses. Cultural material based on the life and customs of Spanish-speaking peoples is presented. Students prepare dialogues, skits, sing songs, and practice pronunciation.	Elective Credit, Possible College Credit with Test Out, Honors Diploma Requirement	No
Spanish III	1.0	This is a study of historical and contemporary culture in Spanish-American countries and Spain. Through small and large group discussion using the Spanish language, through speaking, reading and writing, exercises utilize any and all grammar concepts. Communication in the target language is emphasized in all skill areas and may include written reports and oral presentations of skills and plays.	Elective Credit, Possible College Credit with Test Out, Honors Diploma Requirement	Yes 1.5
Spanish IV/Spanish V	1.0	This is a continuation and extension of activities of Spanish III, but on a more in-depth level, particularly for vocabulary building. Oral, written and reading activities emphasize the literary, cultural and historic characteristics of the Spanish-speaking areas of the world.	Elective Credit, Possible College Credit with Test Out, Honors Diploma Requirement	Yes 1.5

Business Marketing Pathway

The Business Marketing program will train students in basic retail and marketing functions, and will introduce strategies used to merchandise and sell products effectively in both traditional brick-and-mortar (physical) stores and emerging online stores. Students will learn basic sales and marketing techniques, customer service, business etiquette, marketing strategies, promotions, inventory control, marketing math, merchandising techniques, and store operations. Students will be introduced to customer services, digital marketing and social marketing activities to support both physical and online stores.

Course Name	Credit	Course Description	Outcome	Weighted
BUSINESS FOUNDATIONS	1.0	This is the first course for the Business and Administrative Services, Finance and Marketing career fields. It introduces students to specializations within the three career fields. Students will obtain knowledge and skills in fundamental business activities. They will acquire knowledge of business processes, economics and business relationships. Students will use technology to synthesize and share business information. Employability skills, leadership and communications and personal financial literacy will be addressed.	Credentials 3, Local Seal Community Service, WebXams	No
MARKETING PRINCIPLES	1.0	This is the first course in the Marketing career field. It introduces students to the specializations offered in Marketing. Students will obtain fundamental knowledge and skills in marketing communications, marketing management, marketing research, merchandising and professional selling. They will acquire knowledge of marketing strategies, market identification techniques, employability skills, business ethics and law, economic principles and international business. Technology, leadership and communications will be incorporated in classroom activities.	Credentials 3, Local Seal Community Service, WebXams	No

MARKETING APPLICATIONS	1.0	Students will develop and implement marketing strategies and techniques across marketing functions: channel management, marketing research, market planning, pricing, product/service management and branding. They will use marketing operations procedures and activities to ensure marketing's efficiency and effectiveness. Students will generate, screen, and develop new product ideas. They will predict economic trends and conditions and determine how cultural intelligence can impact organizations. Technology, employability skills, leadership and communications will be incorporated in classroom activities.	Credentials 3, Local Seal Community Service, WebXams	No
STRATEGIC ENTREPRENEURSHIP	1.0	Students will use innovation skills to generate ideas for new products and services, evaluate the feasibility of ideas, and develop a strategy for commercialization. They will use technology to select target markets, profile target customers, define the venture's mission, and create business plans. Students will take initial steps to establish a business. Students will calculate and forecast costs, break-even, and sales. Establishing a brand, setting prices, promoting products, and managing customer relationships will be emphasized.	Credentials 3, Local Seal Community Service, WebXams	No

Global Logistics Pathway

The Global Logistics & Supply Chain Management pathway enables students to practice innovative and critical thinking skills as they develop solutions to authentic logistics problems businesses regularly face both locally and internationally. Students will learn the complexities businesses deal with in securing raw materials from distant locations, moving them across multiple borders, receiving them in various ports, transporting them to warehouses accessible through multiple modes of transportation, storing them efficiently and then distributing them to customers through networks that properly balance transit time with cost. This pathway provides students with the opportunity to earn credit and may lead to an industry recognized certification.

****All Courses are Semester courses that are blocked 2 periods.**

Course Name	Credit	Course Description	Prerequisite	Weighted
INTRODUCTION TO LOGISTICS	1.0	This course engages students in solving contextual problems related to the concepts of supply chains, warehouse location, contingency planning, insourcing and outsourcing, and expanding existing supply chains. These concepts form the basis of global logistics and supply chain management and help students understand how professionals examine options to maximize the use of resources across distribution networks. Includes English course credit. Career Pathway: Business Marketing, Manufacturing	Credential Lean Six Sigma, CPR, OSHA10, CLA-Certified Logistics Associate 6, State Seal Industry Credential	No
FUNCTIONAL AREAS IN LOGISTICS	1.0	This course compels students to explore deeper understanding of the concepts they discovered in the previous course as students navigate projects on warehouse technology, emergency responsiveness and the supply chain for manufacturing. Students use their experiences in this course to discover ways that professionals minimize the outlay of resources while improving efficiency and ability in the global market. Career Pathway: Business Marketing, Manufacturing	Credential Lean Six Sigma, CPR, OSHA10, CLA-Certified Logistics Associate 6, State Seal Industry Credential	No
GLOBAL LOGISTICS MANAGEMENT	1.0	This advanced course offers challenging projects that require students to look at the global implications of the industry in more earnest as they experiment with decisions over intermodal transportation, route selection, international shipping regulations, emergency preparedness, cultural awareness, and business ethics. Students develop their understanding of the industry in this course and truly build their awareness of the challenges of doing business in a world with multiple borders that must be traversed. Students who complete the course will receive industry certification. Career Pathway: Business Marketing, Manufacturing	Credential Lean Six Sigma, CPR, OSHA10, CLT-Certified Logistics Technician 6, State Seal Industry Credential	No
LOGISTICS AND SUPPLY CHAIN MANAGEMENT	1.0	This advanced course allows students to see the implications of all of the concepts they learned in the previous three courses as they consider environmental impact. Industry certification for students completing the course. Career Pathway: Business Marketing, Manufacturing	Credential Lean Six Sigma, CPR, OSHA10, CLT-Certified Logistics Technician 6, State Seal Industry Credential	No

EXERCISE SCIENCE & SPORTS MEDICINE PATHWAY

Are you looking for an educational experience that is fun, exciting and fast paced? Look no further than Exercise Science. This program will provide knowledge and real life experiences in recognizing, initially treating and rehabilitating athletic injuries. Under the direction of a licensed trainer, students will assist injured athletes from the onset of injury to their full return to competition. Students will also learn about prevention of injury through the practice of proper sports nutrition, conditioning and weight training. The Exercise Science & Sports Medicine Program will help you select and prepare for a future in fitness or a variety of health related careers.

Recommendations: Anatomy and Physiology

Careers for which Exercise Science & Sports Medicine will prepare students include: Athletic Training, Personal Trainer, Kinesiology and Exercise Science, Physical Therapist Assistant, Occupational Therapist Assistant, and Medical Massage Therapist.

Postsecondary majors for which this pathway prepares students include: Athletic Training, Kinesiology and Exercise Science, Foods, Nutrition and Wellness Studies.

****All Courses are Semester courses that are blocked 2 periods.**

Course Name	Credit	Course Description	Outcome	Weighted
EXERCISE AND ATHLETIC TRAINING (072000)	1.0	In this, first course students will apply procedures and techniques used in athletic training and in the care and rehabilitation of athletic injuries and therapeutic exercise. Topics include injury prevention, conditioning, and wound care techniques of the musculoskeletal system. Students will learn techniques in the analysis of mechanical factors related to human movement. In addition, current trends, technology, legal considerations, and the role of exercise science in relationship to other health fields will be emphasized. Career Pathway: Health Science	Credential CPR, OSHA10, Physical Therapy Aide Certificate, State Seal Industry Credential	No

SPORTS EXERCISE PSYCHOLOGY (072030)	1.0	<p>Students apply practical and theoretical information as it relates to the psychology of sport. Students analyze the reciprocal relations among physical activity, exercise behavior, and biochemical and physiological adaptation. Topics include theories of behavior change, exercise psychology interventions, and the relationship between exercise and mental health. Further, students will identify psychosocial determinants and effects associated with adopting and maintaining an exercise program and develop strategies for promoting optimal performance in athletes.</p> <p>Career Pathway: Health Science</p>	Credential CPR, OSHA10, Physical Therapy Aide Certificate, State Seal Industry Credential	No
ATHLETIC INJURIES AND PREVENTION (072025)	1.0	<p>Students will identify signs and symptoms of injury and apply emergency procedures and techniques used in the immediate care of athletic-related trauma. Students will learn clinical and field evaluative processes, injury prevention techniques, conditioning techniques, treatment, taping, bracing, and rehabilitation of musculoskeletal injuries and conditions. Students will design and implement conditioning programs, including nutritional considerations and ergogenic aids. Emphasis is placed on the synthesis of information gathered through injury history, observation, and manual muscle testing.</p> <p>Career Pathways: Health Science</p>	Credential CPR, OSHA10, Physical Therapy Aide Certificate, State Seal Industry Credential	No
FITNESS EVALUATION & ASSESSMENT (072020)	1.0	<p>Students will complete comprehensive fitness evaluations and develop individualized training programs. Students will administer lab and field tests of cardiovascular endurance, body composition, joint flexibility and muscular strength, power, and endurance. Emphasis is placed on assessing body composition, neuromuscular flexibility, agility, balance, coordination, and proprioception. Additionally, students will identify components of physical fitness and communicate how physical activity impact health and wellness.</p> <p>Career Pathway: Health Science</p>	Credential CPR, OSHA10, Physical Therapy Aide Certificate, State Seal Industry Credential	No

HEALTH TECHNOLOGIES PATHWAY

Health Technologies is a two year program for junior and seniors interested in a career in health care. Students will explore a variety of healthcare careers including: nursing, radiography, physical therapy, occupational therapy, respiratory therapy, lab technician. **Year 1 will be 2 periods in length; Year 2 will be 3 periods in length, including the Medical Terminology course.**

Course Name	Credit	Course Description	Outcome	Weighted
HEALTH SCIENCE AND TECHNOLOGY	1.0	Requirement: No criminal record – mandatory per OhioHealth and Nursing home policies. This first course in the career field provides students an overview of the opportunities available in the healthcare industry. Students will learn fundamental skills in effective and safe patient care that can be applied across a person’s lifespan. They will also be introduced to exercise science and sports medicine, the field of biomedical research and the importance of managing health information. Career Pathway: Health Science	Credential CPR, First Aid/AED, STNA, State Seal Industry Credential	No
PRINCIPLES OF ALLIED HEALTH	1.0	In this first course students will apply knowledge and clinical skills necessary to assess, plan, provide, and evaluate care to patients in varied healthcare settings. Students will apply first aid principles and techniques needed for response to choking, cardiopulmonary resuscitation, and other life-threatening emergencies. Emphasis will be placed on regulatory compliance, patient safety, pathophysiology, and medical interventions. Additionally, this course introduces psychomotor skills needed to assist individuals in meeting basic human needs. Career Pathway: Health Science	Credential CPR, First Aid/AED, STNA, State Seal Industry Credential	No
HUMAN PATHOPHYSIOLOGY	1.0	This is an Ohio Department of Health Law, must pass drug test – 8 panel drug screen, no criminal record – FBI/BCI check (mandatory for clinical), must pass physical and be up to date on all immunizations (OhioHealth/MGH policy), TB test (2-step PPD) In this course, students will demonstrate knowledge of body systems with emphasis on the interrelationships between structure and physical function. Students will analyze and evaluate how the body systems respond to physical activity, disease and aging. Students will use data acquisition software to monitor abnormal physiology and body functions (e.g., muscle movement, reflex, respiratory, and voluntary actions). Further, students will analyze descriptive results of abnormal physiology and evaluate clinical consequences. Career Pathway: Health Science	Credential CPR, First Aid/AED, STNA, State Seal Industry Credential	No

PATIENT CENTERED CARE and DIAGNOSTICS	1.0	In this course, students establish and implement treatment plans while providing primary nursing care. Topics include pharmacology, phlebotomy, mental health nursing and acute care nursing. Students use diagnostic techniques to develop patient health assessments. Emphasis is placed on the synthesis of information gathered through health history, observation, and the detection of deviations and variations from normal physical characteristics. In addition, students learn the legal and ethical principles needed to function within the scope of practice. Career Pathway: Health Science	Credential CPR, First Aid/AED, STNA, State Seal Industry Credential	No
MTC MEDICAL TERMINOLOGY (ALH1110) CCP	1.0		Credential, STNA (State Tested Nursing Assistant), CPR, and First Aid, College Credit	Yes

INTEGRATED PRODUCTION TECHNOLOGIES (IPT)

Integrated Production Technologies pathway will engage students in the innovative industry-driven technologies to imagine and design new and improved products. Great entry-level jobs leading to challenging, high-paying careers are available across the nation for students who have the academic and technical knowledge and skill sets to succeed.

Students will have the opportunity to earn a 12 point credential towards their high school graduation requirement. The [CERTIFIED PRODUCTION TECHNICIAN \(CPT\) 4.0](#) credential encompasses four areas of study which include: Safety, Quality Practices and Measurement, Manufacturing Processes & Production and Maintenance Awareness. These areas will be broken up over four semesters of learning.

All courses are semester courses that are blocked two periods each day. Students applying/ enrolling in Level 1- IPT will receive courses “Advanced Technology For Design” and “Systems of Advanced Technology” along with CPT Training in the areas of Safety and Quality Practices and Measurement. Students who apply/ enroll in Level 2 IPT after completing Level 1, will receive “Mechatronics Systems For Advanced Production” along with “Design For The Production of Advanced Products” along with CPT Training in the areas of Manufacturing Processes & Production and Maintenance Awareness.

Course Name	Credit	Course Description	Outcome	Weighted
ENGINEERING CAREER EXPLORATIONS	.5	Engineering Career Exploration is designed to help students decide which career technical education field may be best suited for them during their final years at Harding High School or Withrow Academy. This class will introduce students to the following areas: problem solving process, 3D printing, laser cutting, programming, web design, cyber security, software applications along with other engineering concepts. Following the conclusion of the class, students will be recommended into one of the career technical education programs located at Harding and Withrow.	Introduction to Engineering and Manufacturing Pathway	No
ADVANCED TECHNOLOGY FOR DESIGN AND PRODUCTION (175003)L1	1.0	This course will engage students in the use of modern technologies in the design and improvement of products. Students will use three-dimensional CAD software in the creation and analysis process. Students will document designs using standards set by industry for design documentation. Students will implement methods of green production and just-in-time component supply which allow for the lowest cost and highest quality products. Students will design and troubleshoot data acquisition, programmable logic control, process monitoring, automation and robotic systems. Students will incorporate sensing and vision systems, utilizing cameras and sensors to control automated systems. Students will complete the CPT- Safety coursework. Career Pathway: Manufacturing, Engineering	Credential CPR, OSHA10, CPT-Certified Production Technician 6, State Seal Industry Credential	No
SYSTEMS OF ADVANCED TECHNOLOGY(175105)L1	1.0	In this course, students will apply the technologies that are found in modern clean, production environments. Students study effective and energy efficient control of pumping, conveyors, piping, pneumatic and hydraulic control systems. Students apply total quality management to production design to assure quality. Students also focus on properties of materials and material testing, creating documentation to support designs, examining properties and justifying material selections based on properties. Students learn that old products become the new raw materials for new products. Students will complete the CPT- Quality Practices and Measurement coursework. Career Pathway: Manufacturing, Engineering	Credential CPR, OSHA10, CPT-Certified Production Technician 6, State Seal Industry Credential	No

MECHATRONIC SYSTEMS FOR ADVANCED PRODUCTION(175006)L2	1.0	Students will design cost-effective work cells incorporating automation and robotics to improve quality of final products. The advanced production in this course depends on the use and coordination of information, automation, network systems, vision and sensing systems. Students will design and create mechatronic systems and automated tooling to accomplish these advanced tasks. Students produce authentic documentation about their cyber-mechanical systems and the integration with data to control and monitor processes. Students will complete the CPT- Manufacturing Processes & Production coursework. Career Pathway: Manufacturing, Engineering	Credential CPR, OSHA10, CPT-Certified Production Technician 6, State Seal Industry Credential	No
DESIGN FOR THE PRODUCTION OF ADVANCED PRODUCTS(175004)L2	1.0	Students will create plant designs to process and automatically assemble materials into new products. Students follow the process of developing and producing a new product from prototype to final product. They will accomplish this by creating a production flow plan that allows for the mass production of the product. Students will analyze and evaluate all aspects of the design and production processes with an emphasis on clean, lean and green production. Students will utilize data acquisition, quality control processes and Six Sigma methodology to control production. Students will complete the CPT- Maintenance Awareness coursework. Career Pathway: Manufacturing, Engineering	Credential CPR, OSHA10, CPT-Certified Production Technician 6, State Seal Industry Credential	No

WELDING PATHWAY

Credentials:

Four different 9 point industry recognized Welding credentials (Each of the four welding processes) that meet the Ohio Department of Education graduation requirements are offered within this course. These credentials are also lifetime Welding certifications.

Course Name	Credit	Course Description	Outcome	Weighted
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GAS METAL ARC WELDING	1.0	<p>Students will be able to use the Gas Metal Arc Welding process (SMAW) to safely join various types of metal. They will perform multiple types of welds and joints in all positions, up to and including overhead. They will select the appropriate type of electrode and adjust welding equipment based on the physical characteristics and properties of the metal. Students will apply quality control factors to evaluate the quality of welds.</p> <p>Career Pathway: Manufacturing</p>	Credential CPR, OSHA 10, First Aid/AED, AWS American Welding Society 9, State Seal Industry Credential	No
SHIELDED METAL ARC WELDING	1.0	<p>Students will be able to use the Shielded Metal Arc Welding process (SMAW) to safely join various types of metal. They will perform multiple types of welds and joints in all positions, up to and including overhead. They will select the appropriate type of electrode and adjust welding equipment based on the physical characteristics and properties of the metal. Students will apply quality control factors to evaluate the quality of welds.</p> <p>Career Pathway: Manufacturing</p>	Credential CPR, OSHA 10, First Aid/AED, AWS American Welding Society 9, State Seal Industry Credential	No
FLUX CORE ARC WELDING	1.0	<p>Students will be able to use the Flux Cored Arc Welding process (FCAW) to safely join various types of metal. They will perform multiple types of welds and joints in all positions up to and including overhead. They will select the appropriate type of cored electrode wire and adjust welding equipment based on the physical characteristics and properties of the metal. Students will apply quality control factors to evaluate the quality of welds. Career Pathway: Manufacturing</p>	Credential CPR, OSHA 10, First Aid/AED, AWS American Welding Society 9, State Seal Industry Credential	No
GAS TUNGSTEN ARC WELDING	1.0	<p>Students will use the Gas Tungsten Arc Welding process (GTAW) to safely join various types of metal. They will perform multiple types of welds and joints in all positions, up to and including overhead. They will select the appropriate type of electrode, filler metal and shielding gas. They will be able to adjust welding equipment based on the physical characteristics and properties of the metal. Students will apply quality control factors to evaluate weld quality. Career Pathway: Manufacturing</p>	Credential CPR, OSHA 10, First Aid/AED, AWS American Welding Society 9, State Seal Industry Credential	No

CONSTRUCTION TECHNOLOGY

Credentials:

Year 1 (6 industry credential points) Career Connections Project Book 1

Year 2 (6 industry credential points) Career Connections Project Book 2

Forklift Experience Certificate (1 industry credential point)

CPR/First Aid (1 industry credential point)

Course Name	Credit	Course Description	Outcome	Weighted
CORE & SUSTAINABLE CONSTRUCTION	1.0	Students will learn principles in basic safety, construction math, hand and power tools and operation, blueprint reading, material handling, communication and employability skills. An emphasis will be placed on safe construction practices. Career Pathway: Construction	Credential CPR, First Aid/AED,, State Seal Industry Credential	No
STRUCTURAL SYSTEMS	1.0	Students will learn procedures and techniques required for layout and framing of walls and ceilings, including roughing-in door and window openings, constructing corners and partitions; bracing walls and ceilings; and applying sheathing. Students will learn methods of roof, cold formed steel, and wood stair framing. Students will learn site and personal safety, material properties, and design procedures. They will have the opportunity to earn up to <u>12 industry recognized credential points in two years to meet the Ohio Department of Education graduation requirements.</u>	Credential CPR, First Aid/AED, State Seal Industry Credential	No
STRUCTURAL COVERINGS AND FINISHES	1.0	This course will address applications of interior and exterior finish work. Students will identify material properties and select for appropriate application. Students will install thermal and moisture protection including roofing, siding, fascia and soffits, gutters, and louvers. Students will install drywall; trim-joinery and molding and apply wall, floor and ceiling coverings and finishes. Throughout the course, the safe handling of materials, personal safety, prevention of accidents and the mitigation of hazards are emphasized.	Credential CPR, First Aid/AED, State Seal Industry Credential	No

PRINCIPLES OF WOOD CONSTRUCTION	1.0	Students will engage in the introductory skills utilized in working with various wood construction materials. They will learn to use basic measuring tools, hand tools and machines, common to the wood industry, to construct basic projects. Additionally, students will examine various wood construction materials and their properties. Throughout the course, students will learn components of site and personal safety.	Credential CPR, First Aid/AED, State Seal Industry Credential	No
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INDUSTRY 4.0 PATHWAY

Credentials:

CPR/First Aid (1 industry credential point)

OSHA 10 (1 industry credential point)

Course Name	Credit	Course Description	Outcome	Weighted
INTRODUCTION TO INDUSTRY 4.0	1.0	Subject Code: 176020 Students will apply the knowledge and skills necessary for installing, maintaining and safely troubleshooting modern industrial machinery. Students will learn about pneumatic, hydraulic, mechanical and electrical systems. They will learn to solve practical maintenance problems, read and interpret drawings and maintenance manuals and understand manufacturing process quality practices. Students will troubleshoot electrical controls, sensors and actuators for automated machinery and manufacturing processes. Career Pathway: Manufacturing	Credential CPR, OSHA 10, First Aid/AED, State Seal Industry Credential	No
PRINCIPLES OF MANUFACTURING	1.0	Subject Code: 176010 Students will apply knowledge and skills required in the application of standard manufacturing practices including planning, design and visualization. Students will learn and apply skills related to interpreting drawings, creating documentation and performing measurements. Additionally, students will use principles and techniques of Computer Numerical Control (CNC), employ scheduling, and practice project evaluation.	Credential CPR, OSHA 10, First Aid/AED, State Seal Industry Credential	No

INDUSTRIAL MAINTENANCE	1.0	Subject Code: 176020 Students will apply the knowledge and skills necessary for installing, maintaining and safely troubleshooting modern industrial machinery. Students will learn about pneumatic, hydraulic, mechanical and electrical systems. They will learn to solve practical maintenance problems, read and interpret drawings and maintenance manuals and understand manufacturing process quality practices. Students will troubleshoot electrical controls, sensors and actuators for automated machinery and manufacturing processes.	Credential CPR, OSHA 10,First Aid/AED, State Seal Industry Credential	No
HYDRAULICS AND PNEUMATICS	1.0	Subject Code: 010225 Students will learn to diagnose, repair and rebuild hydraulic systems and their components. Students will learn the physical and mechanical principles of both hydraulic and hydrostatic operating units. Topics include testing system components and properly maintaining hydraulic and hydrostatic circuits. Students will demonstrate contamination control and system cleanliness in both hydraulic and hydrostatic operating systems. Throughout the course, site and personal safety procedures and business practices are reinforced.	Credential CPR, OSHA 10,First Aid/AED, State Seal Industry Credential	No

INFORMATION TECHNOLOGY PATHWAY

Credentials:

CompTIA ITF+ (6 industry credential points)

CompTIA A+ (6 industry credential points)

Course Name	Credit	Course Description	Outcome	Weighted
INFORMATION TECHNOLOGY	1.0	Subject Code: 145005 This first course in the IT career field is designed to provide students with a working knowledge of computer concepts and essential skills necessary for work and communication in today's society. Students will learn safety, security, and ethical issues in computing and social networking. Students will also learn about input/output systems, computer hardware and operating systems, and office applications.	Credential CompTIA ITF+, State Seal Industry Credential	No

COMPUTER HARDWARE	1.0	Subject Code: 145025 Students will learn to install, repair, and troubleshoot computer hardware systems. They will perform preventative maintenance practices and learn techniques for maintaining computer hardware security. Communication skills and professionalism in troubleshooting situations will be emphasized.	Credential CompTIA ITF+ ,State Seal Industry Credential	No
SOFTWARE	1.0	Subject Code: 145030 Students will apply knowledge and skills of commercial and open source operating systems in portable, stand alone, and networked devices. Students will install a variety of operating systems manually and using remote assistance. They will learn to configure, modify, and troubleshoot operating systems. Desktop virtualization, system security, and operating system history will be addressed.	Credential CompTIA ITF+, State Seal Industry Credential	No
NETWORKING	1.0	Subject Code: 145035 Students will install, configure, and troubleshoot network hardware and peripherals. Students will learn networking by exploring the OSI model, network topologies, and cabling. Students will design simple networks, know how to select physical devices, and be able to configure the equipment. Knowledge and skills relating to the operation and usage of network protocols will be developed.	Credential CompTIA ITF+, State Seal Industry Credential	No

ELECTRICAL ENGINEERING PATHWAY

CPR/First Aid (1 industry credential point)

OSHA 10 (1 industry credential point)

Course Name	Credit	Course Description	Outcome	Weighted
CONSTRUCTION TECHNOLOGY ELECTRICAL	1.0	<p>Students will learn principles in basic safety (10-hr OSHA), construction math, hand and power tools and operation, blueprint reading, material handling, communication and employability skills. An emphasis will be placed on safe and green construction practices.</p> <p>Career Pathway: Construction</p>	Credential CPR, OSHA 10, First Aid/AED, State Seal Industry Credential	No
CONSTRUCTION ELECTRICAL SYSTEMS	1.0	<p>Subject Code: 178007 This introductory electrical course will emphasize electrical theory, materials, equipment. Students will explore the National Electrical Code and learn worksite safety. They will interpret schematics; construct basic circuits, use test equipment and electrical hand and power tools.</p>	Credential CPR, OSHA 10, First Aid/AED, State Seal Industry Credential	No
CONSTRUCTION SAFETY AND CREW LEADERSHIP (Offered 24-25)	1.0	<p>Subject Code: 178018 This course covers OSHA standards (30-hr OSHA) and requirements as they apply to the construction industry and crew/project management. Topics include safety and health hazards, safe practices, construction safety management, and crew management. Emphasis is on hazard identification, avoidance, control and prevention.</p>	Credential CPR, OSHA 10, First Aid/AED, State Seal Industry Credential	No

COMMERCIAL AND INDUSTRIAL ELECTRICAL CONSTRUCTION (Offered 24-25)	1.0	Subject Code: 178009 Students will plan and install electrical systems in commercial settings. Students learn worksite safety and understand permitting requirements. Students interpret plans and job specifications and calculate loads and service requirements. Students install, test and repair receptacle outlet, lighting and equipment circuits. They will understand circuit protection concepts and be able to install entrance panels. Specialty commercial circuit installation will be addressed. Students apply operating principles to the installation and troubleshooting of motors and controls.	Credential CPR, OSHA 10, State Seal Industry Credential	No
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AGRIBUSINESS PATHWAY

CPR/First Aid (1 industry credential point)

OSHA 10 (1 industry credential point)

Ohio AgriBusiness Certification (12 point credential)

Course Name	Credit	Course Description	Outcome	Weighted
Agriculture Food and Natural Resources	1.0	Subject Code: 010105 This first course in the career field is an introduction to Agricultural and Environmental Systems. Students will be introduced to the scope of the Agricultural and Environmental Systems career field. They will examine principles of food science, natural resource management, animal science & management, plant & horticultural science, power technology and bioscience. Students will examine the FFA organization and Supervised Agricultural Experience programs. Throughout the course, students will develop communication, leadership and business skills essential to the agriculture industry.	Credential CPR, OSHA 10, First Aid/AED, State Seal Industry Credential	No
Animal and Plant Science	1.0	Subject Code: 010125 Students will apply knowledge of animal and plant science to the agriculture industry. They will be introduced to the value of production animals relative to the agricultural marketplace. Students will engage in animal classification and selection, body systems, along with animal welfare and behavior in relation to the production of animals. Students will learn principles of plant anatomy and physiology, and the role of nutrition, deficiencies and growing environment on plant production. Throughout the course, business principles and professional skills will be examined.	Credential CPR, OSHA 10, First Aid/AED, State Seal Industry Credential	No

Greenhouse and Nursery Management	1.0	Subject Code: 010610 Students will learn the operational practices needed for the successful growth of nursery stock and/or greenhouse plants. They will learn essential greenhouse practices including water and fertilizer distribution, lighting, ventilation and temperature control. Students will learn pest and disease identification and control along with bio-security practices. Students will demonstrate knowledge of propagation methods, plant health, nutrition, and growth stimulation. Throughout this course, business and employability skills will be emphasized.	Credential CPR, OSHA 10,First Aid/AED,State Seal Industry Credential	No
Business Management for Agricultural and Environmental Systems	1.0	Subject Code: 010115 Students will examine elements of business, identify organizational structures and apply management skills while developing business plans, financial reports and strategic goals for new ventures or existing businesses. Learners will use marketing concepts to evaluate the marketing environment and develop a marketing plan with marketing channels, product approaches, promotion and pricing strategies. Throughout the course, students will apply concepts of ethics and professionalism while implications of business regulations will be identified.	Credential CPR, OSHA 10, State Seal Industry Credential	No

ARMY JUNIOR RESERVE OFFICER TRAINING COURSE (JROTC)

The Military Science (JROTC) program prepares students for leadership roles while making them aware of their rights, responsibilities and privileges as Americans. The mission of JROTC is to motivate young people to be better citizens. The program promotes graduation from high school, and provides instructional opportunities which benefit the student, community and nation. Wearing the military uniform once a week is a requirement to participate in JROTC. While in uniform, cadets must meet the minimum appearance standards listed in the appropriate regulation, including haircut standards.

Honor credit is available for Levels IV and V JROTC courses. The honor curriculum builds on previous JROTC courses and focuses on short and long range planning, decision-making skills and the coordination, control and execution of cadet organization activities. It includes a research-based essay project and oral presentation. Honor students must have previously completed JROTC III, apply to and be interviewed by the JROTC Leadership Board, and be approved by the Senior Service Instructor Instructor.

Military Science has been approved as a career pathway for the Career Prep course of study. It is an elective for all other courses of study. Selective students who successfully complete 18 weeks of Army or Air Force JROTC receive credit for either Life Skills or P.E. II with approval of their guidance department and the JROTC senior instructor. The four basic Army and Air Force courses, plus add-on levels of LET V, must be completed successfully in sequence. Cadets may only take Level IV and V courses with the approval of the senior instructor.

Course Name	Credit	Course Description	Outcome	Weighted
LET I : Army JROTC I	1.0	Study leadership theory and application, foundation for success, communication/study skills, citizenship, military customs and courtesies, physical training, drill, map reading, and the history and objective of JROTC.	Elective Credit, State Seal Enlistment, Alternate Pathway to Graduation	No
LET II : Army JROTC II	1.0	Study of wellness, fitness and first aid, drug awareness, ethical values and principles of good citizenship in American history and Government. Demonstrate knowledge of drill, map reading and physical training, with emphasis on methods of instruction. Prerequisite: Army JROTC I.	Elective Credit, State Seal Enlistment, Alternate Pathway	No
LET III : Army JROTC III	1.0	Study of leadership strategies, foundation of success, managing conflict, career planning, financial planning, citizenship in American history and government with continued practical work in leadership, drill, technology awareness, and methods of instruction, map reading and physical training. Prerequisite: Army JROTC II.	Elective Credit, State Seal Enlistment, Alternate Pathway to Graduation	NO
LET IV/V : Army JROTC IV	1.0	Demonstrate leadership potential as a role model, coach, counselor, management skill and assistant instructor. Study service to the Nation and financial planning, with continued practical work in drill, technology awareness, physical training and command and staff principles. (950421) Assist instructor in the LET level class assigned. Assist instructor in drill, physical training and inspections with a requirement to teach a minimum of one class for each subject taught for the LET level class assigned, with emphasis placed on proper teaching methods and preparation of lesson plans. Normally assumed the leadership position and the responsibilities of command functions with continued practical work in drill, technology awareness, and physical training. Prerequisite: Prerequisite: JROTC III or IV	Elective Credit, State Seal Enlistment, Alternate Pathway to Graduation	No

Marion Harding High School

Work-Study Program

Objectives: Marion Harding High School is committed to graduating all students College and Career Ready. Regardless of the direction students choose, they must make their own decisions and an educational plan must be in place to meet the goals and provide a learning structure.

The Marion Harding High School Work-Study Program allows students with paid jobs and/or unpaid internships to prepare for the world of work AND earn high school elective credit. Under Ohio's Education Options provisions, students are permitted to take advantage of flexible hours and flexibility in the number of credits that can be earned.

Program Requirements: Parent Approval/signature - Student Program Acknowledgment Agreement/signature - Internship/Work-Study Business Partner Approval/signature - School Counselor Approval/signature - Principal Approval/signature.

1. Hourly Requirements for Elective Credit (based on the district calendar) **60 hours = ½ credit**

Three Maximum Elective Credits Per Year

2. Arrive at school on time and attend classes every day. If an absence occurs, proper documentation will be provided to the attendance office.
3. Hourly Verification For Work-Study verification, students must provide the school with their paycheck information, listing hours worked, tax deductions, etc. Confidential or sensitive information will be blacked out and photocopies will be made and filed in a secure location as evidence supporting the credibility of Work-Study hours and awarded credit.

Submit pay stubs weekly/biweekly to the students' school counselor.

4. Should a student receive a disciplinary consequence (i.e. in-school suspension, detention) the student is required to serve the suspension and lose the work study privilege until the action is fulfilled.
5. If a student fails any class during the quarter/semester then the student may be unenrolled for the Work-Study program and enrolled into classes at school and/or may have their work permit revoked.

Step One: Parent Approval

This form is the first step in securing approval for your son or daughter to participate in the Marion Harding High School Work-Study program. Participating students must agree to the provisions, procedures and requirements of the program and secure approval from a business or agency partner, parent (s), school counselor and principal. Students must keep a record of their hours and complete all paperwork in compliance with the program. They must participate in a semester exam presentation at the end of each semester. Students who participate, do so by their own choice, accept full responsibility for transportation, safety and any cost for participation upon leaving school property. Students may be

subject to a modified schedule allowing him/her to arrive late or leave school early up to three periods. All work study students must be enrolled in a minimum of four classes in addition to work study. Students enrolled in a Work-study program are subject to all rules and conditions as listed in the Marion Harding High School Student Code of Conduct.

I have reviewed the information packet and I approve of my child's participation in the Work-Study Program for all or part of the 2020-2021 school year.

Student Name: _____ Grade: _____ Date: _____

Parent signature: _____

- Has work permit
- Has own transportation

Step Two: Student Agreement

I acknowledge that I have reviewed this information packet, discussed the program in detail with my parents and I agree to all provisions, procedures and requirements. Failure to abide by the signed agreement may result in my removal from the program, loss of credit and will be subject to the building discipline code.

Student Signature: _____ Phone: _____ Date _____

Step Three: Business or Agency Partnership

Business or Agency Name: _____ Phone: _____

Business or Agency Supervisor Name (print) _____

Business or Agency Supervisor Name (signature) _____

Step Four and Five: School Counselor and Administrative Approval

School Counselor: _____ Principal _____