



Delaware Hayes High School

**2026 – 2027 Course
Handbook**

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SCHOOL POLICIES AND SCHEDULING GUIDELINES

Carefully consider your interests, your abilities, the requirements for graduation, the overall plan of your high school curriculum, and your future plans as you make your choices. You are encouraged to discuss your plans with your counselor, parents/guardians, and teachers. Careful planning will allow you to make the most of your educational opportunities in high school. Only under exceptional circumstances should changes be made in your yearly schedule after your selections are completed. **ALL SCHEDULES MUST BE APPROVED BY COUNSELING AND/OR ADMINISTRATIVE STAFF.**

SCHEDULING POLICIES

- Full-time students must be enrolled in at least 5 credits for the year unless approved by an administrator. Consider athletic eligibility before scheduling. It is the responsibility of a student-athlete to make sure they are athletically eligible.
- Once a student has successfully completed a higher-level course, they may not go back and take a prerequisite for that course for credit.
- Students with health concerns that need special attention need to provide documentation of the physical need.

SCHEDULING CHANGES

- Students are expected to follow their schedule as assigned. This schedule is based on the student's choices during schedule sign-up and administrative assignments based on student achievement.
- All schedule changes must be made by **August 14, 2026 at 3 PM.** using the online schedule change form. No schedule changes will be made after that date for the first three days of school, unless one of the reasons below warrants a schedule change. Students will have the week of **August 24-28, 2026** to make schedule changes using the online schedule change form before the drop policy goes into effect.
- Reasons for making a schedule change are as follows:
 - Clerical errors by the office
 - Health concerns
 - Failure of course or prerequisite
- In order to balance classes, accommodate staff changes, or to provide a positive learning environment for each class, administration and counseling departments reserve the right to adjust students' schedules. **Requests for specific lunch periods or teachers cannot be honored.**

ADD/DROP POLICY

Adding a class to a student's schedule may be made within the first full week of classes. Students may drop an elective class within the first two weeks of the course without penalty as long as they continue to carry a full load of classes. **Core classes may not be dropped.**

If an elective class is dropped following the two-week period, students will be issued a penalty-free "W" on their transcript indicating they withdrew from the course. This penalty-free option may be used **only once** during a student's high school career. A year-long course may not be dropped after the first semester, and a semester-long course may not be dropped after the 1st quarter. Any additional dropped courses during a student's high school career will result in an "F". Students attending the Delaware Area Career Center may only return to Hayes within the first week or at semester with administrative approval from both Hayes and DACC.

REQUEST TO REPEAT A PASSED COURSE

In order to repeat a course already passed for a replacement grade, the appropriate form (available in the Counseling Office) must be completed and submitted to the Counseling Office before entering the class. The course information and the grade earned the first time remains on the transcript as part of the student's academic record. However, the grade that is earned the second time is the grade that is computed in the calculation of the grade point average. This means students will always receive the second grade earned as credit can only be awarded once for the course.

- A course may be repeated only once.
- Grades from out-of-district sources (i.e. TRECA Digital Academy), correspondence courses, independent study, and tutoring will not be accepted as replacement grades.
- Students looking to improve mastery learning course grades through Hayes' summer school will follow this same protocol.

- The dropping of a course that is being repeated will be handled according to the same rules as all other courses.
- Students planning to become NCAA D1 or D2 athletes should consult the NCAA before repeating courses.

REQUEST TO TAKE COURSE PASS/FAIL

The pass/fail grading option permits a student to take one full credit per year in grades 10-12 without receiving a standard letter grade. The pass/fail selection for a full-year, a semester, or blocked course must be made by the student before the end of the course's first grading period. In a pass/fail choice, a grade of "P" is recorded for a course that is passed with at least a 70%. An "F" is recorded if the student earns a D or F. The grade "P" received in a pass/fail option is not used in computing a student's Grade Point Average (GPA) but an "F" will be computed.

The following restrictions are placed upon this choice:

- No required core course may be taken pass/fail.
- No more than one credit may be elected in a given subject area during the four years of high school.
- PowerSchool will indicate actual grade percentage earned or the student's current mastery level.
- A student may choose to return to the standard letter grade any time prior to the end of the course. If this option is selected, the student is responsible for making the request in writing to the school counselor by the end of the course. The student will then receive a letter grade for the final grade of the course. When the student drops the pass/fail option, they may *not* use the pass/fail option for another course in that school year.

Please note:

- NCAA college athletic eligibility rules calculate all P's as if the student earned a D.
- Not all colleges will accept P's for admission. Students are responsible for checking with colleges before requesting this option. No changes will be made once the course is completed.

ATHLETIC ELIGIBILITY

HIGH SCHOOL ELIGIBILITY

A student-athlete must be enrolled in and have passing grades in a minimum of five solid courses or the equivalent. Additional information on eligibility can be obtained from the Ohio High School Athletic Association (OHSAA) website at: <https://www.ohsaa.org/eligibility>.

COLLEGE ELIGIBILITY

A student must register with the NCAA Eligibility Center in order to be eligible for Division I or II college athletics. It is the **student's/parent's responsibility** to be sure that all requirements are met. Please visit the Eligibility Center's website at <https://web3.ncaa.org/ecwr3/> for full details. Students and parents/guardians should meet with their counselor and coach to discuss eligibility requirements beginning in the sophomore year. Course checks should also be made during the junior year and before scheduling for the senior year.

CURRICULUM

The Advisory Commission on Articulation between secondary education and the Ohio colleges recommends certain courses in preparation for college. In addition to the graduation requirements two units of the same world language and one unit in visual/performing arts are highly recommended for students intended to enroll in four-year colleges. Below are example curriculums based on possible post-secondary plans.

COLLEGE-PREPARATORY CURRICULUM

9 th Grade	10 th Grade	11 th Grade	12 th Grade
English 9/Honors	English 10/Honors/ Sophomore Journalism	American Lit, College & Career Lit, AP Lang, Journalism, AP Seminar	World Lit, AP Lit, Journalism, College & Career Lit, AP Research
Algebra 1	Geometry/Honors	Algebra 2/Honors	Pre-Calculus/Honors
Physical Science	Biology/Honors	Chemistry/Honors	Physics/Honors

World Studies	US History/Honors/AP US History	Government/AP Government	Social Studies Elective
World Language	World Language	World Language	World Language
Physical Education/Health	Physical Education/Health	Electives	Elective
Fine Arts Elective	Fine Arts Elective		
Elective (Financial Literacy)	Elective (Financial Literacy)		

CAREER-TECHNICAL CURRICULUM

9 th Grade	10 th Grade	11 th Grade	12 th Grade
English 9/Honors	English 10/Honors	American Lit, AP Lang, College & Career Lit, Journalism, AP Seminar	World Lit, AP Lit, Journalism, College & Career Lit, Ap Research
Algebra 1	Geometry/Honors	Algebra 2/Honors	Pre-Calculus/Honors
Physical Science	Biology/Honors	Government/AP Government	Advanced Science
World Studies	US History/Honors/AP US History	DACC Lab**	DACC Lab**
Physical Education	Physical Education		
Health	Financial Literacy		
Electives	Electives		

*Students interested in participating in a program at DACC, must apply. Here is the link to explore the different programs:

<https://www.delawareareacc.org/o/dacchs/page/programs>.

**Some DACC programs may have Career Technical Assurance Guide (CTAG) credits associated with the program and be subject to weighted grades similar to Advanced Placement and College Credit Plus courses.

EDUCATIONAL OPTIONS FOR HIGH SCHOOL AND/OR COLLEGE CREDIT

Hayes High School provides students with a variety of options by which to earn both high school and college credit, including Advanced Placement courses, credit flexibility, testing-out of courses, independent study, and College Credit Plus. Each of these opportunities is described below.

ADVANCED PLACEMENT COURSES

Hayes offers a number of Advanced Placement (AP) courses. Students must meet the prerequisites in order to take these courses. Advanced Placement courses also have additional fees and a culminating test in May. Students that qualify for free/reduced lunch may have their fees adjusted. Students must be enrolled in their AP course(s) by joining AP Classroom on CollegeBoard by November 1 so that their exam can be ordered. **Additionally, students must opt-out of their exam by November 1 to avoid a unused/test cancellation fee of \$40, per College Board policy.** High test scores may result in earning college credit. AP courses available at Hayes include the following:

- AP Calculus AB
- AP Calculus BC
- AP Computer Science Principles
- AP Computer Science A
- AP Statistics
- AP Biology
- AP Chemistry
- AP Physics 1
- AP Physics C: Mechanics
- AP Environmental Science
- AP World History: Modern
- AP United States Government and Politics
- AP Psychology
- AP European History
- AP United States History
- AP Language & Composition
- AP Literature & Composition
- AP Research
- AP Seminar
- AP Studio Art
- AP Art History

AP courses offered each year based on enrollment in each course. Specific course descriptions can be found in the sections for each department below.

CREDIT FLEXIBILITY, TEST-OUT OPTIONS, AND INDEPENDENT STUDY

Ohio's plan for credit flexibility is designed to broaden the scope of curricular options available to students, increase the depth of study possible for a particular subject, and allow tailoring of learning time and/or conditions. Students and parents will be notified twice a year either through newsletters, parent letters, counseling presentations, or e-mail, about the upcoming opportunities for testing out or flexible credits. Students must complete an application to test out of a course for the first semester by June 1st or by October 15th for second semester. Testing out requirements must be met by August 1st for first semester/summer grading and by December 1st for second semester grading. There also may be applicable fees for testing-out of courses.

Independent study is designed for coursework outside the curriculum offered at Hayes. All potential independent study credits must be approved through the school's application process. Applications for all credit flexibility options, including testing-out and independent study, can be found on the Hayes website at: <https://hayes.dcs.k12.oh.us/counseling/credit-flex>.

COLLEGE CREDIT PLUS

College Credit Plus (CCP) is an Ohio Department of Education initiative to allow high school students to attain up to 30 semester hours of college credit per school year tuition-free at Ohio public institutions. The college courses will be transcribed on the student's high school and college transcripts. It will be the student's responsibility to ensure the college courses taken transfer to the college or university of their choosing. (Transferology.com is a resource many institutions use to determine which courses are transferable between institutions.) Students will also be responsible for obtaining their college transcript of completed coursework to the institution they are transferring the credits to. **ALL COLLEGE CREDIT PLUS COURSES OFFERED AT HAYES HIGH SCHOOL ARE SUBJECT TO CHANGE.** Visit the Hayes College Credit Plus Website for more details: <https://hayes.dcs.k12.oh.us/college-career/college-career/college-credit-plus>.



College Courses Offered at Hayes High School

Social Science Courses – Offered by Marion Technical College

- Psychology (3 college credits)*
- Sociology (3 college credits)*

English Courses – Offered by Marion Technical College

- English Composition I (3 college credits)
- English Composition II (3 college credits)
- Oral Communication (3 college credits)*

Science Courses – Offered by Marion Technical College

- Intro to Engineering (2 college credits)
- Engineering Drawings & Diagrams (2 college credits)
- Computer Aided Drafting (3 college credits)

Art Course – Offered by Marion Technical College

- Digital Image Manipulation (Photography 5—3 credits)

Nursing Course – Offered by Marion Technical College

- Nurse Assistant Certification Prep (3 credits)

Business Courses – Offered in Conjunction with DACC and Columbus State Community College

- 21st Century Supervision (3 credit hours)
- Financial Accounting (3 credit hours)

Courses designated with an asterisk (*) are part of the Marion Technical College Block courses and are recommended to be taken together.

Additional college courses may be taken at participating College Credit Plus institutions provided that the student meets the admission criteria of the institution. For a full listing of courses offered, please review the course catalog on the institution's website. For additional information on the College Credit Plus program, visit <https://higher.ed.ohio.gov/initiatives/access-acceleration/college-credit-plus>.

The following four College Credit Plus courses will be taught at Hayes in cooperation with Marion Technical College (MTC) and taught by an MTC instructor in two consecutive periods. Oral Communication and Sociology will be taught the first semester and Introduction to Psychology will be taught in the second semester. Students may choose to take any or all of the courses.

ORAL COMMUNICATION (COM1400) – MARION TECHNICAL COLLEGE (1 high school English credit and 3 college credits)

This class prepares students for communication for the job. Topics included are listening, questioning, nonverbal communication and business presentations. Students will give four speeches.

- **Prerequisite:** Acceptance through application process for Marion Technical College's CCP program, GPA of 3.0

SOCIOLOGY – MARION TECHNICAL COLLEGE (1 high school Social Studies credit and 3 college credits)

Introductory sociology will be presented in a systematic and scholarly way, while offering the maximum social insight and self-understanding, and emphasizing the application of sociological knowledge to everyday life. This course will explore the fundamental concepts of the science of sociology. We will first investigate the sociological theories that attempt to explain societal and groups' behaviors. We will then examine various aspects related to society, all of which influence behavior, including: socialization, social structure, culture, social institutions, deviant behavior and various social variables and how they impact societal behavior. As we investigate these important aspects of our society the student will be asked to apply today's issues to these topics and offer ideas to refine societal standards. Students will be able to demonstrate societal insight and self-understanding and be able to apply sociological aspects to today's issues.

- **Prerequisite:** Acceptance through application process for Marion Technical College's CCP program, GPA of 3.0

INTRODUCTION TO PSYCHOLOGY – MARION TECHNICAL COLLEGE (1 high school Social Studies credit and 3 college credits)

An introduction to theories and techniques used by psychologists for describing, explaining, predicting, and influencing human behavior. Topics covered include learning, cognition, intelligence, motivation, emotion, personality and maladaptive behavior. An overview of the field of psychology is given.

- **Prerequisite:** Acceptance through application process for Marion Technical College's CCP program, GPA of 3.0.

Partnership between Delaware Hayes & Columbus State Community College – Delaware Campus

Delaware Hayes High School and Columbus State Community College – Delaware Campus have partnered to offer courses that align with Hayes' busing schedule to the Delaware Area Career Center. The bus will make a stop at both the Delaware Area Career Center and the Columbus State Community – Delaware Campus, providing transportation to those students who would not otherwise be able to take courses at the CSCC – Delaware Campus due to lack of transportation. Transportation will be provided in the morning, mid-day, and afternoon. Please note that transportation will not be provided on the days that Delaware City Schools delays or cancels school due to inclement weather. Students will be responsible for their own transportation on these days.

COLLEGE AND CAREER PATHWAYS

Delaware City Schools in partnership with Marion Technical College will be offering courses in college and career pathways, which will leverage students to secure employment in some of Ohio's fastest growing industries with top companies in the area, as well as the potential to earn college credit towards degrees in those career fields. Beginning with the 2025-2026 school year, Delaware Hayes High School will be offering the following pathways: Career Exploration, Educator Academy, Advanced Manufacturing, and Health Sciences.

Additionally, students have the opportunity to engage in pre-apprenticeship opportunities with local businesses and organizations. These types of activities can be paid or unpaid positions. Most recently students have had pre-apprenticeships at Performance Columbus, Emergency Plumbing Heating and Air, Ohio Living Sarah Moore and Goodwill. Pre-apprenticeships meet the foundation requirement for career readiness steps toward graduation.

Career Explorations 1 & 2 (½ credit each)

This new course offering allows students to explore various careers as well as gain valuable employability skills. Students will be able to explore exciting and fast-growing career fields such as Nursing, Flight & Drone Technology, Intro to Computer Science, Robotics, Welding Basics, Computer Graphics & Game Design, and Sports Medicine. Throughout the semester, students will be actively engaged in the activities or duties of each career area, as well as learning about, training and/or certification requirements for in-demand jobs. In addition, students will learn about employability skills including resume building, interviewing, completing job applications, and developing interpersonal skills.

Educator Academy 1 (2 credits - double block of classes) 2.0 Credits

The DCS Educator Academy will be a 1 or 2 year career pathway opportunity for students interested in pursuing a profession in an education-related field such as K-12 teaching, school psychology, speech-language pathology, or school paraprofessional careers, all of which are highly in-demand. The Educator Academy will provide realistic, authentic, and hands-on opportunities for high school juniors and seniors to experience the highly rewarding field of education. Students will participate in classroom observations, assist as a classroom aide, and provide tutoring opportunities with students. In addition, students will join a nationally recognized student organization for leadership development. College Credit may be an opportunity.

Educator Academy 2 (2 credits - double block of classes) 2.0 Credits

If a student has already participated in Educator Academy 1 during the 25-26 school year, they are encouraged to sign up for Educator Academy 2. This class will be offered during the same double block as Educator Academy 1, but students will be exploring topics more thoroughly, as well as spending more time in the classrooms and school settings, engaging in the field of education they are interested in pursuing. In addition, students will join a nationally recognized student organization for leadership development. College Credit may be an opportunity.

Advanced Engineering Technology (varying credits available) - See page 23 for more information

The DCS Advanced Engineering Technology Pathway will have multiple on and off ramps for students, with the ability to start as early as the freshmen year. Hayes High School will have the opportunity to take exploratory career technology classes, earn industry credentials such as the Intel Semiconductor Certificate or a Robotic Systems Certificate, and college credit plus classes that are aligned to an Associates Degree of Science in Engineering Technology. Additionally, students participating in the pathway will be provided with opportunities to connect with business partners and institutions of higher education.

Introduction to Health Science Careers 1 & 2 (½ credit each)

This new course allows students to gain exposure to a variety of careers in the field of health care. These include Biotechnology, Nursing, Pharmacology, Medical Imaging, Health care management, Clinical Labs, Dentistry, Speech Therapy, and Ophthalmology. Students are introduced to basic healthcare concepts including medical terminology, anatomy/physiology, and the structure of the healthcare system. Students will also learn about the legal and ethical responsibilities associated with the healthcare field. Throughout the course, students will be actively engaged in the activities or duties of the medical career area, as well as learning about, training and/or certification requirements for in-demand jobs.

GRADING POLICY AND GPA CALCULATION

The grading procedure uses a method of grade computation based on recording and averaging numerical percentage grades, including semester exams, throughout the length of the course. Term and semester exam percentage grades will be converted to a letter grade for the permanent record. The school's grading scale is below.

Traditional Grading

100% - 98%	A+	97% - 93%	A	92% - 90%	A-
89% - 87%	B+	86% - 83%	B	82% - 80%	B-
79% - 77%	C+	76% - 73%	C	72% - 70%	C-
69% - 67%	D+	66% - 63%	D	62% - 60%	D-
		Below 60%	F		

Standards Based Grading

4.00-3.75	A+	3.74-3.26	A	3.25-3.00	A-
2.99-2.84	B+	2.83-2.67	B	2.66-2.50	B-

2.49-2.34	C+	2.33-2.17	C	2.16-2.00	C-
1.99-1.76	D+	1.75-1.26	D	1.25-1.00	D-
		Below 1.00	F		

In 2025-26, the majority of classes will be using the Standards Based Grading system. Additional information about Standards Based Grading can be found here: <https://hayes.dcs.k12.oh.us/counseling/grades>.

GRADE POINT AVERAGE CALCULATION

Grade point averages (GPAs) are based on grades, values assigned, and the course credit value. See the following chart for values assigned based on your graduating year. Hayes utilizes a 4.0 grading system with weighted grades. Honors classes are weighted and given an additional .50 points. Advanced Placement, Career-Technical Assurance Guide (CTAG), and College Credit Plus courses are given one additional point when receiving a C- or higher in the course. A copy of the point scale is below.

A+	4.0	A	4.0	A-	3.7
B+	3.3	B	3.0	B-	2.7
C+	2.3	C	2.0	C-	1.7
D+	1.3	D	1.0	D-	0.7
		F	0		

To determine your GPA, multiply the grade point value by the course credit, total the points, and divide by the total number of credits. Cumulative GPAs are based on the yearlong or semester final grade. Semester GPAs are calculated using all completed courses and semester averages for the current year. A GPA calculator is available on the Hayes High School website at this link: <https://hayes.dcs.k12.oh.us/counseling/grades/calculating-your-gpa>.

GRADUATION REQUIREMENTS

The State of Ohio requires students to complete a rigorous curriculum as a requirement for high school graduation and a prerequisite for admission to Ohio's four-year state assisted institutions of higher education. These requirements are detailed below.

COURSE REQUIREMENTS

The State of Ohio and Delaware City Schools requires students to earn 21 credits in order to graduate from high school. These requirements are described below by subject area.

Subject	Credits Required
English Language Arts	4 credits
Mathematics ¹	4 credits
Science ²	3 credits
Social Studies ³	3 credits
Health	0.50 credit
Physical Education	0.50 credit (or earn PE Waivers)
Fine Arts/DACC Lab	1 credit
Financial Literacy	0.5 credit
Electives	4.5 credits (5 credits if PE Waiver earned)

TESTING REQUIREMENTS

¹ Must include one unit of Algebra 2 or the equivalent of Algebra 2, such as Quantitative Reasoning or Computer Science Principles.

² Must include one unit of Physical Sciences, one unit of Life Sciences and one unit of Advanced Science.

³ Must include ½ unit of American History, ½ unit of American Government, and ½ unit of World History.

In addition to earning the class credits described above, the State of Ohio requires students to fulfill testing requirements in order to graduate from high school. Students must complete the following:

COMPETENCY DEMONSTRATION: Students must earn a passing score (684) on both the Algebra 1 and English Language Arts 2 tests. Students who do not pass one or both of these tests after two attempts can fulfill this requirement through one of the following four options:

- Demonstrate two career-focused activities, including one foundational activity:
 - Foundational activities: Proficient score on WebXams, 12-points of industry credential, and/or acceptance into an pre-approved apprenticeship program
 - Supporting activities: Complete 250 hours of work-based experience, achieve workforce-readiness score on WorkKeys or earn OhioMeansJobs Readiness Seal
- Earn credit for one college-level math and/or English course through college credit plus
- Enlist in the military
- Earn a “remediation-free” score on either the ACT or SAT. The scores for each test are in the table below:

ACT	SAT
Mathematics: 22 or higher	Mathematics: 530 or higher
Reading: 22 or higher	
English: 18 or higher	Evidence-Based Reading & Writing: 480 or higher

READINESS DEMONSTRATION: Students must also earn at least two of the following readiness seals, one of which must be defined by the state.

- State-defined seals:
 - OhioMeansJobs Readiness Seal
 - Industry-recognized credential seal
 - College-ready seal
 - Military enlistment seal
 - Citizenship seal
 - Science seal
 - Honors diploma seal
 - Seal of biliteracy
 - Technology seal
- Locally-defined seals
 - Community service seal
 - Fine and performing arts seal
 - Student engagement seal

Information on the graduation requirements can be found at the Ohio Department of Education website:

<https://www.unlockyourfuture.org/>.

AWARDS AND HONORS

Students have the opportunity to earn various awards and honors as they graduate from high school. Below are descriptions of some of the honors that students may be eligible to receive.

GOVERNOR’S MERIT SCHOLARSHIP

The Governor's Merit Scholarship is awarded to Seniors who rank in the top 5% of the Senior class as of the end of the 6th semester. Summer school and courses completed after the 6th semester will not be included in this determination. Delaware City Schools will be notified by the Ohio Department of Higher Education each Fall of how many Seniors may be awarded this scholarship. Students who accept the scholarship will receive \$5,000/year when they attend an Ohio public or private college/university. Additional details about the scholarship can be found at <https://highered.ohio.gov/educators/financial-aid/sgs/gms/gms>.

PRESIDENT'S AWARD FOR EDUCATION EXCELLENCE

Seniors qualify for this award by earning at least a 3.5 GPA following the seventh semester and a score of 27 on the reading part of the ACT or 640 on the SAT or a score of 27 on the math part of the ACT or a 640 on the SAT.

DIPLOMA WITH HONORS

The Diploma with Honors is awarded to seniors who meet the requirements as determined by the Ohio Department of Education. GPAs for the Diploma with Honors and academic awards are calculated based on the grades earned for completed courses and the first semester averages for year-long classes of the senior year. For the Class of 2026 & Beyond, students must earn the following for the Academic Honors Diploma:

- Earn 4 credits of English
- Earn 4 credits of Math including Algebra I, Algebra II, & Geometry
- Earn 4 credits of Science including two advanced science courses
- Earn 4 credits in Social Studies
- Earn either 3 credits of one World Language or 2 credits each of 2 World Languages
- Earn 1 credit of Fine Arts
- Maintain an overall unweighted GPA of at least 3.5 up to the last grading period of the senior year
- Obtain a composite score of 27 on the ACT or 1280 on the SAT (may be superscored)
- Earn 4 Graduation Seals in addition to the Honors Diploma Seal
- Complete experiential learning by completing one of the following: Field experience & portfolio, OMJ-Readiness Graduation Seal, OR 250 hours of work-based learning
- One of the following can replace the GPA, SAT/ACT scores, or world language requirement: 12 CCP credits, 3 AP scores of 3 or higher, CTAG's worth 12 college credits, an apprenticeship, score of 50 or higher on the ASVAB, 250 hours of work-based learning, or scores of 6 or higher on all three sections of the WorkKeys.

Four additional Honors Diplomas are being offered by the Ohio Department of Education including: Career Tech Honors Diploma, STEM Honors Diploma, Arts Honors Diploma, and Social Science & Civic Engagement Honors Diploma. The criteria for earning honors diploma can be found at <https://education.ohio.gov/Topics/Ohio-s-Graduation-Requirements/Contacts-and-Resources/Honors-Diplomas>.

GRADUATION HONORS

Students who have excelled academically will be recognized at graduation. Based on the 7th semester GPA, students will be awarded the academic honors of Cum Laude (GPA of 3.5 – 3.74), Magna Cum Laude (GPA of 3.75 – 3.99), or Summa Cum Laude (GPA of 4.0 or above).

HONOR ROLL

Distinguished Honor Roll is awarded at the end of the year to students with a 4.0 or higher GPA for the year. Honor Roll is awarded at the end of the year to students with a 3.5 - 3.99 GPA for the year. Merit Roll is awarded at the end of the year to students with a 3.0 - 3.49 GPA for the year.

STUDENT FEES

Classes may have additional fees for instructional materials needed, workbooks, extra-curricular activities, AP testing, or uniform needs. All fees are subject to change and will be published in the student handbook pending Board approval.

ENGLISH COURSE OFFERINGS

The English curriculum provides foundational course offerings for 9th, 10th, 11th and 12th graders to meet individual needs and help students achieve competence while working toward increasing levels of accomplishment. Several electives may be scheduled in addition to the required classes. Students are required to earn four English credits by the Board of Education. All courses offered by the English department are considered to be composition and reading courses, and therefore, writing and reading skills will be practiced in all classes. All courses will be planned with the Common Core standards. Each student may select additional elective courses to meet special needs or interests. Elective courses do not count towards the four English credits required for graduation.

FOUNDATIONAL ENGLISH COURSES

These full credit courses offer the reading and study of short stories, poetry, drama, non-fiction, and the novel. All students will practice both creative and expository writing, and pursue language study as well as speaking and listening.

ENGLISH 9 (1 credit)

Students in this literature-based class will learn and refine reading, writing, listening, speaking, and visual literacy skills with emphasis on mastering the Common Core standards. Language study and composition will be based primarily upon assigned literature.

ENGLISH 9 HONORS (1 credit)

English 9 Honors will follow the general English 9 curriculum. However, it will be taught at an accelerated pace, extending the learning of Common Core skills and providing opportunities for critical thinking. This course is intended for the students who are primarily interested in the reading and analyzing of texts. Students should expect to complete a large amount of reading and writing, both in and out of class. Students should be able to write a multi-paragraph analysis of both fiction and nonfiction texts, incorporating evidence from the text and analysis of that evidence. The critical thinking and writing skills required for this class will also prepare the student for Honors as well as Advanced Placement level English classes.

- **Prerequisite:** 8th Grade Language Arts Semester Grade of B or higher.

ENGLISH 10 (1 credit)

Students in this literature-based course will learn and refine reading, writing, listening, speaking, and visual literacy skills with strong emphasis on the Common Core standards. Language study and composition will be based primarily upon assigned nonfiction and literature.

ENGLISH 10 HONORS (1 credit)

This course will teach students how to analyze, create, and critique literature as well as read challenging texts. The course will ask students to connect literature and informational texts to social justice issues and our society, analyzing similarities and differences. Students will learn skills that prepare them for state tests, and subsequent courses, such as AP Language and Composition. This course will go beyond the regular English 10 curriculum by having a faster pace, using more complex texts, and requiring a more rigorous level of analytical and critical writing. Students can expect to read a selection of contemporary and classical texts from diverse authors that explore issues we see today, such as racism, sexism, and classism.

- **Prerequisite:** Average grade of B or better in English 9 or English 9 Honors.

SOPHOMORE JOURNALISM (1 credit)

This is a writing-intensive English course designed to teach the basics of scholastic journalism, specifically for students who would like to explore the field of journalism. By incorporating the journalism curriculum with the English 10 standards, this course allows students to pursue an interest in student publications while still meeting 10th grade English requirements. The course provides an alternative to the regular English 10 curriculum and helps to prepare students for writing-intensive courses during their junior and senior years. Students will focus on writing using journalistic style; keep up on current events; and use the Internet to read and research news. Students will learn about many different types of journalistic writing, as well as interview techniques, editing, the history and ethics of publishing, and the responsibility of the student press. Students who are interested in being a writer on the staff of Talisman must complete either Sophomore Journalism or Journalism prior to being considered for staff. Students who have taken Journalism are not eligible to take Sophomore Journalism.

- **Prerequisite:** C or better in English 9.

AMERICAN LITERATURE AND COMPOSITION (1 credit)

Students in this class will study the literature of America and how it represents our national identity, our history and our diversity. Entwined with the literature study will be development of competency in writing. Punctuation, grammar and usage will be reviewed as students develop and organize writing assignments from paragraphs to multiple-page essays. Informal, critical, analytical, and persuasive writing will be covered.

AMERICAN LITERATURE AND COMPOSITION HONORS (1 credit)

This course will prepare students for success in the World Literature Honors course or other AP coursework in Language Arts. Since students in the World Literature Honors course will be expected to write and respond to literature at a college-entry level, American Literature Honors will accelerate development of critical thinking and composition skills to assure success at the next level. Students will improve evaluative, argumentative and analytical skills using diverse literary genres, and a variety of media. Students will identify and explore topics of interest to them and argue a position on issues they will face as American citizens in the 21st century.

- **Prerequisite:** Average grade of B or higher in English 10.

JOURNALISM (1 credit)

This is a writing-intensive English course designed to teach the basics of scholastic journalism. Students will learn news writing, editorial writing, sports writing, column and review writing, and feature writing. Instruction will cover interview techniques, editing, and the history and ethics of publishing, with emphasis on the responsibility of the student press. Students will focus on writing using journalistic style; keep up on current events; and use the Internet to read and research news. Nonfiction selections, including essays, biography, and documentaries will be studied. Literature components will be discussed through book reviews and other relevant assignments. Students use programs such as Adobe InDesign and Photoshop to design and publish their work. Students who are interested in being a writer on the staff of Talisman must complete either Sophomore Journalism or Journalism prior to being considered for staff. Students who have taken Sophomore Journalism are not eligible to take Journalism.

WORLD LITERATURE AND COMPOSITION (1 credit)

Students will analyze a broad range of classic and contemporary literature from around the world including British literature. The literature will include novels, plays, poems, and essays. Using a sociocultural and historical context, students will develop an understanding of various cultures through composition, independent research, group work, speeches, and discussion. Students will improve writing, speaking, listening, viewing, and critical thinking skills.

WORLD LITERATURE AND COMPOSITION HONORS (1 credit)

The content and format of this course will prepare college-bound students for the level of writing required of entry-year students. This course will focus heavily on improving students' writing abilities in analytical writing, argumentative writing, and narrative writing. Students will work to improve writing conventions and to think critically about all types of media they will be confronted with in the 21st Century. The course will expose students to concepts and ideas in a more global sense by including literature and media from around the world to which students will respond.

- **Prerequisite:** Average grade of B or higher in previous English classes.

COLLEGE AND CAREER LITERATURE AND COMPOSITION (1 credit)

This course aims to prepare students for on-the-job writing in business, science, engineering, and technical professions. Students will demonstrate proficiency in writing and presentation skills by producing different technical writing such as research reports, presentations, and workplace writing (e.g., technical reports, manuals, proposals, memoranda, and cover letters). As collaboration is often a key part of the professional realm, students will complete group projects each quarter. This course will have less emphasis on fiction literature compared to World Literature and Composition.

- **Prerequisite:** Grade 11 or 12.

ADVANCED PLACEMENT ENGLISH LANGUAGE AND COMPOSITION (1 credit)

Advanced Placement Language and Composition is a yearlong course emphasizing the modes of writing; levels of diction; varieties of sentence structure; relationship between sentences and paragraphs within essays; and rhetorical strategies. A variety of writing experiences will prepare the student for the Advanced Placement exam given in May. This test involves a prepaid fee that is determined by The College Board. Completion of this test is recommended for all students in this course. High test scores may result in earning college credit.

- **Prerequisite:** Average grade of B or higher in previous English classes.

ADVANCED PLACEMENT ENGLISH LITERATURE AND COMPOSITION (1 credit)

Advanced Placement Literature and Composition is a college level course available for those juniors and senior students who qualify based on previous successful English studies with A or B averages. This course involves discussion and analysis of great literature and poetry from throughout the literary canon. Writing skills will be refined. Frequent in-class and out-of-class essay writing assignments will provide the background experience to score successfully on the Advanced Placement test given in May. Completion of this test is recommended for all students in this course. High test scores may result in earning college credit.

- **Prerequisite:** Average grade of B or higher in previous English classes.

ADVANCED PLACEMENT SEMINAR (1 credit)

AP Seminar is the first course in the AP Capstone program and a high school English core credit. It is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational literary and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. AP Seminar is a prerequisite for AP Research as per College Board. If students choose to continue on to AP Research, they have the opportunity to earn the AP Capstone Certificate or the AP Capstone Diploma distinction on their transcript. **This course may not count toward English credit in college.**

- **Prerequisite:** Passing the ELA 2 OST.

ADVANCED PLACEMENT RESEARCH (1 credit)

The second course in the AP Capstone experience and a high school English core credit, AP Research allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000-5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense. **This course may not count toward English credit in college.**

- **Prerequisite:** AP Seminar is a prerequisite for AP Research as per College Board.

ENGLISH COMPOSITION I (ENG1000) – MARION TECHNICAL COLLEGE (1 high school English credit and 3 college credits)

In this composition course, you will write themes and essays based on your own experience. This class includes an analysis of the formality needs of Standard English, the study of effective organization and style, the analysis of writing for logic and reason, and a strong concentration on developing clear and concise writing skills. Online specifications: All assignments, including the midterm and final, are to be completed online. This course is part of the Ohio Transfer Module (OTM) and approved to transfer to any state college or institution.

- **Prerequisite:** Acceptance through application process for Marion Technical College's CCP program, GPA of 3.0, and qualifying ACT/SAT/Accuplacer Test Scores or a B or higher in English 9 & 10.

ENGLISH COMPOSITION II (ENG1100) – MARION TECHNICAL COLLEGE (1 high school English credit and 3 college credits)

As a continuation of English Composition I, students will expand their knowledge through reading, thinking, and writing assignments. Through essay writing, students will demonstrate their ability to analyze and evaluate ideas and integrate those ideas into their own writing. Students will engage in writing both independently and collaboratively while participating in discussions and reading assigned literature. The course places emphasis on the research essay as a fundamental form of writing in which students will document sources while integrating research into their writing. Online specifications: assignments, including tests, are submitted through CANVAS. All assignments are the same as the traditional class. This course is part of the Ohio Transfer Module (OTM) and will transfer to any state college or university in Ohio.

- **Prerequisite:** Completion of ENG1000 with a C or higher.

ENGLISH ELECTIVES

CREATIVE WRITING (.50 credit)

This semester-long course will focus on the development of students' creative writing skills. Students in this class will see marked improvement in their grammar, punctuation, rhetorical, and reading skills as well. The course demands students be prepared to interact and share writing on a daily basis and learn to edit critically. Students will work to develop their own writing voice. Units may include: short story, poetry, children's book, and slam performance.

- **Prerequisite:** Grades 11 or 12.

CRITICAL READING (.50 CREDIT)

This course is an intensive reading intervention program. It directly addresses individual student needs through adaptive instruction software and direct instruction in reading and writing skills. Students will learn explicit core reading strategies to help them comprehend more deeply, critically, and analytically across all courses. Reading strategies include activating prior knowledge, questioning, visualizing, predicting, inferring, monitoring meaning, determining author's purpose and synthesizing information. Students will gain the skills necessary to read, process, and remember the denser textbook materials assigned in high school.

- **Prerequisite:** Teacher, counselor, or administrator recommendation only.

DELHI (1 credit)

This is a yearlong production class for elective credit. The students in this course have the responsibility for creating, editing, and publishing the school yearbook, *The Delhi*. The yearbook is self-supporting, and the class is run like a business. All students will sell ads, take photographs, conduct interviews, write and edit copy, work with layout and design, and keep business records. Students must be academically strong enough to devote the time needed to get the job done, both during and after school; producing a yearbook requires major effort and commitment. Previous or concurrent enrollment in journalism and/or photography is recommended; however, underclassmen with strong writing skills and plenty of desire are also needed. This course is repeatable for credit.

FILM AND LITERATURE (.50 credit)

This course will teach students how to analyze literature and film for each text's ability to convey information. Students will improve their critical thinking skills by examining different types of media they will confront within the 21st Century. This course will also require students to improve their analytical writing skills in order to critique the interpretations of events in both film and literature.

- **Prerequisite:** Grades 10, 11, or 12.

HAYES CINEMATICS (1 credit)

This yearlong English elective course utilizes video production in order to develop students' skills in organization, time-management, teamwork, visual and verbal communication, and visual media analysis. Students will write and create in a variety of video genres such as comedy, action, documentary, horror/suspense, commercial videography, and advertisements. Students will learn technical skills essential to the six steps of video production, including screenwriting, cinematography, acting, directing, editing, and producing, while using professional equipment. Our production team will also produce films for other groups in the school and community throughout the year. Students will be required to maintain a level of professionalism appropriate to being part of our Hayes Cinematics Productions team, including meeting production deadlines, participating in fundraising for equipment, and fulfilling out of class responsibilities of filming for our clients and managing/assisting with our public film showings. This course may be repeated.

- **Prerequisite:** Grades 10, 11 or 12.
- **Note:** Previous or concurrent enrollment in Film & Literature, Video Editing, and/or Photography are beneficial but not required.

INTRODUCTION TO ACTING (.50 credit)

This semester course is intended for students who wish to gain a basic approach to the art of acting. The beginning part of the course will use oral interpretation and pantomime to introduce the student to the coordination of voice and body. After the students master this art, the course moves into a look at the theater in terms of the stage actor. Students will then be required to produce a short production to be presented.

MULTIPLE PERSPECTIVES IN LITERATURE (.50 credit)

In Multiple Perspectives, we will learn about various cultures that exist in America today through reading, guest speakers and food tastings to gain a broader perspective of the world around us as well as our place in it. We will be reading and discussing picture books, short fiction/nonfiction pieces, and full length young adult fiction/nonfiction texts that highlight the perspectives of Black,

LatinX, Indigenous, Muslim, Asian & Pacific Islanders, and a final perspective of each student's choice. The class will invite guest speakers for each unit, and we will have food representative of some aspect of each culture. This is a hybrid class, so there will be many opportunities for students to read and reflect on their own during work days. There is only one short assignment for each perspective and the end project is to share ideas from the unique perspective each student chooses to study. This class is open to students in 10th through 12th grade.

- **Prerequisite:** Grades 10, 11 or 12.
- **Note:** Reading available for texts in both print and audiobook form.

PUBLIC SPEAKING (.50 credit) This semester course will explore a variety of speaking situations including group communication, listening skills, introductory speeches, informative and persuasive presentations, impromptu speaking, and contest speaking. Through the preparation and presentation of speeches, the student will learn the fundamentals of speaking and the importance of verbal communication skills.

- **Prerequisite:** Grades 11 or 12.

TALISMAN (1 credit)

This is a production class that gives students the responsibility for producing and publishing the school newspaper, *Talisman*. The class is run like a business and is self-supporting. Students report, edit, take photographs, keep the business records, and help with sales and advertising. Students apply for jobs, including editorial positions. The students must be academically strong enough to devote the time necessary, both during and after school, as jobs involve major effort and commitment. Meeting deadlines is expected, and failure to meet deadlines may be cause for removal. Individual instruction will help each staff member fulfill his/her assignments. This course may be repeated.

- **Prerequisite:** Completion of Journalism or Sophomore Journalism. Acceptance based on application/interview process.

TALISMAN BROADCAST (1 credit)

This is a production class that gives students the responsibility for producing and publishing the school newspaper, *Talisman*. The class is run like a business and is self-supporting. Students report, edit, take photographs, keep the business records, and help with sales and advertising. Students apply for jobs, including editorial positions. The students must be academically strong enough to devote the time necessary, both during and after school, as jobs involve major effort and commitment. Meeting deadlines is expected, and failure to meet deadlines may be cause for removal. Individual instruction will help each staff member fulfill his/her assignments. This course may be repeated.

- **Prerequisite:** Priority given to students who have completed Journalism or Sophomore Journalism. Acceptance based on application/interview process.

MATH COURSE OFFERINGS

The mathematics curriculum at Hayes High School is sequential. The skills and content in most courses depend on mastery of material in previous courses. The course sequence a student selects will depend upon his/her mathematics background, strengths and college/career interests. Each student should discuss this decision with his/her mathematics' teacher, school counselor and parents/guardians. **The mathematics requirement for high school graduation is four years of mathematics study, including Algebra 2 or its equivalent.** All college-bound students should include math in the senior year schedule. Departures from course sequencing, such as taking courses simultaneously, will require permission of the instructor(s) involved. No student may take a class that is lower in sequence than the courses already taken, unless the student has a teacher recommendation.

Note: There are honors sections available of Geometry, Algebra 2, and Pre-Calculus at the high school. If students are recommended to take the honors classes, they will be on track to take AP Calculus during their junior or senior year.

MATH COURSES

ALGEBRA 1A (1 credit)

Algebra 1A is designed to provide a solid foundation for all future work in mathematics. This course is designed to build students' foundational skills with number sense, graphing lines, solving equations and statistics. The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. Algebra 1A is part one of a two-year course. Check with the NCAA Eligibility Center if you are an aspiring college athlete. Students will use Desmos to explore, model and apply their knowledge to concepts.

- **Prerequisite:** Teacher, counselor, or administrator recommendation only.

ALGEBRA 1B (1 credit)

Algebra 1B is a continuation of Algebra 1A. Students will further their study of linear, exponential and quadratic functions, including analyzing and solving these kinds of functions. Students will use Desmos to explore, model and apply their knowledge to concepts. Students are required to take the Algebra 1 Ohio State Test during spring of this course.

- **Prerequisite:** Algebra 1A, or Teacher, counselor, or administrator recommendation.

ALGEBRA 1 (1 credit)

Algebra 1 is a yearlong course designed to give the student a thorough and extensive study of linear, quadratic and exponential functions and graphing on the xy-coordinate system. Students will explore linear expressions, equations, inequalities, functions, systems of linear equations and inequalities, exponents, polynomials, roots and irrational numbers, statistics, and arithmetic sequences. Students will use Desmos to explore, model and apply their knowledge to concepts. Students are required to take the Algebra 1 Ohio State Test during spring of this course.

EUCLIDEAN GEOMETRY (1 credit)

Euclidean Geometry is a yearlong course that introduces the student to the processes of inductive and deductive reasoning and formal proof. It utilizes Algebra skills in the study of both plane and solid Geometry. Topics covered include points, lines, planes, angles, polygons, surface area, and volume. Students will use Desmos to explore, model and apply their knowledge to concepts.

- **Prerequisite:** Algebra 1 or equivalent.

EUCLIDEAN GEOMETRY HONORS (1 credit)

This is a yearlong course that introduces students to the process of inductive and deductive reasoning using formal proof. Algebra skills are utilized in the study of plane and solid Geometry. Topics will be explored in more depth and the class moves at a faster pace than the regular geometry class. Additionally, geometric proofs are studied throughout the course at a deeper level. Topics covered include foundations of Geometry with points, lines, planes, parallel lines, triangles, congruence, similarity, right triangles and trigonometry, parallelograms and quadrilaterals, circles, conics, volume, constructions, and transformations. Students will use Desmos to explore, model, and apply their knowledge to concepts.

- **Prerequisite:** Cumulative GPA of 3.0 or higher and B or higher in Algebra 1.

QUANTITATIVE REASONING (1 credit) - ALGEBRA 2 Equivalent Course

This course focuses on the application and extension of Algebra 1 and Geometry topics. Students will work with linear, exponential and quadratic functions, linear/quadratic systems, trigonometry, statistics and probability. Students will be provided with experiences to use the knowledge acquired in previous math courses to further mathematical proficiency and problem solving through appropriate technologies and real-life contexts.

- **Prerequisite:** Algebra 1 and Geometry.

Statistics and Probability (1 credit)- ALGEBRA 2 Equivalent Course

This year-long course includes foundational concepts addressed in a college-level statistics course, making this a strong option for students who will be required to take Statistics in college or would like to be exposed to statistics concepts prior to enrolling in AP Statistics. Students will learn experimental design, use sampling techniques and work with one- and two-variable data to understand distributions and make inferences. The course also covers conditional probability, the rules of probability, and using probability to make decisions.

- **Prerequisite:** Algebra 1 and Geometry.

ALGEBRA 2 (1 credit)

This yearlong course is designed to prepare students for Pre-Calculus or Algebra 3. The content covers the common core standards including functions, quadratic functions and their algebra, radicals and the quadratic formula, complex numbers, polynomials and rational functions, trigonometric functions, trigonometric applications, exponential and logarithmic functions, probability, statistics and series and sequences.

- **Prerequisite:** Algebra 1.

ALGEBRA 2 HONORS (1 credit)

This yearlong course is designed to prepare students for Pre-Calculus Honors. The content covers the common core standards including functions, quadratic functions and their algebra, radicals and the quadratic formula, complex numbers, polynomials and

rational functions, trigonometric functions, trigonometric applications, exponential and logarithmic functions, probability, statistics and series and sequences.

- **Prerequisite:** Cumulative GPA of 3.0 or higher and B or higher in both Algebra 1 and Geometry.
- **Note:** A graphing calculator (TI-84 or TI-Nspire) is recommended for this course.

COLLEGE PREP MATH (1 credit)

Delaware Hayes is partnering with Columbus State Community College (CSCC) to assist students in mastering basic mathematics skills. This course is computer-based. Calculators will NOT always be permitted. Students are tested and placed at their level, then they move through computer topics at their own pace. This course **does not** grant college credit, but students who elect to attend CSCC are permitted to continue in their current course of study.

- **Prerequisite:** Completion of Algebra 2 and recommendation by teacher or counselor.
- **Note:** Recommended for those who earn a C- or lower in Algebra 2.

ALGEBRA 3 (1 credit)

A project based course focusing on real life applications, students will explore statistics and probability, trigonometry, exponential and logarithmic functions, systems of equations and inequalities and matrices.

- **Prerequisite:** Algebra 2.
- **Note:** A graphing calculator (TI-84 or TI-Nspire) is required for this course.

PRE-CALCULUS (1 credit)

This yearlong course is designed to prepare students for Business Calculus or first-year college Calculus courses. Concepts covered include, but are not limited to, function transformations, rational functions, logarithmic and exponential functions, trigonometric functions, equations and proofs, polar coordinates, complex numbers, and vectors.

- **Prerequisite:** C or higher in Algebra 2.
- **Note:** A graphing calculator (TI-84 or TI-Nspire) is recommended for this course.

PRE-CALCULUS HONORS (1 credit)

This yearlong course is designed to prepare students for AP Calculus AB and BC, or first-year college Calculus courses. Concepts covered include, but are not limited to, rational functions, function transformations, logarithmic and exponential functions, trigonometric functions, equations and proofs, polar coordinates, complex numbers, vectors, topics in discrete mathematics, and an introduction to calculus.

- **Prerequisite:** B or higher in Algebra 2 Honors.
- **Note:** This class is designed for students who plan to take AP Calculus or college Calculus the following year.
- **Note:** This course does require a summer assignment.
- **Note:** A graphing calculator (TI-84 or TI-Nspire) is recommended for this course.

ADVANCED PLACEMENT CALCULUS AB (1 credit)

Advanced Placement Calculus AB is an extension of advanced mathematical concepts studied in Pre-Calculus Honors. Topics include continuity and limits, composite functions, and graphing. An overview of analysis topics of derivatives and integration is presented with emphasis on application. Prospective students are students whose future college plans are in mathematics/science fields.

- **Prerequisite:** B or higher in Pre-Calculus Honors, or a B+ or higher in Pre-Calculus.
- **Note:** This course does require a summer assignment.
- **Note:** A graphing calculator (TI-84 or TI-Nspire) is recommended for this course.
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ADVANCED PLACEMENT CALCULUS BC (1 credit)

Topics for Advanced Placement Calculus BC include functions, graphs, and limits; derivatives; integrals, and polynomial approximations and series. Derivatives will include the analysis of planar curves given in parametric, polar, and vector form including velocity and acceleration vectors. There will be a geometric interpretation of differential equations via slope fields and the relationship between slope fields and derivatives of implicitly defined functions. The course will also include numerical solutions of differential equations using Euler's method. The concept of polynomial approximations and series will include the series of constants and Taylor Series.

- **Prerequisite:** B or higher in AP Calculus AB and a score of 3 or higher on the AP Calculus AB test.
- **Note:** This course does require a summer assignment.

- **Note:** A graphing calculator (TI-84 or TI-Nspire) is recommended for this course.

CALCULUS (1 credit)

Calculus explores the foundations of differential and integral Calculus. Topics include limits, continuity, derivatives, differentiation rules, implicit differentiation, derivatives of logarithmic and exponential functions, extrema, concavity, applied maxima and minima, curve sketching, optimization, integration, integration rules, introductory differential equations, and applications of derivatives and integrals.

- **Prerequisite:** C or higher in Pre-Calculus or Pre-Calculus Honors.
- **Note:** A graphing calculator (TI-84 or TI-Nspire) is recommended for this course.

ADVANCED PLACEMENT STATISTICS (1 credit)

The collection, processing, interpretation, and presentation of numerical data all belong to the domain of statistics. This course will stress the development of statistical thinking, the assessment of credibility and the value of the inferences made from data, both by those who consume them and those who produce them. The computer will be used to produce graphic displays of data. Prospective students should be one of the following: 1) Taking this course as an alternative to taking the traditional pre-calculus/calculus track if their future college plans are not in mathematics/science fields; or 2) Taking this course in addition to taking the traditional pre-calculus/calculus track if their future college plans are in mathematics/science fields.

- **Prerequisite:** B or higher in Algebra 2 or concurrent with Honors Algebra 2.

COMPUTER SCIENCE COURSE OFFERINGS

Computer Science course offerings below include a four-year sequential curriculum. Students may start the course sequence with either Computer Science Principles or AP Computer Science Principles, if the prerequisite is met. All Computer Science courses count as math credits.

COMPUTER SCIENCE COURSES

COMPUTER SCIENCE FOUNDATIONS (1 credit) - Algebra 2 Equivalent Course

This foundational course provides an overview of key areas in computer science, introducing students to the fundamental principles, technologies, and skills that power today's digital world. Topics include: Computer Systems and Devices, Web Development, Artificial Intelligence (AI)], Networks & the Internet, Cybersecurity, and an Introduction to Programming.

Students will gain foundational knowledge and practical skills, preparing them for further study in computer science or for applying computational thinking in other disciplines. This course is suitable for beginners and requires no prior programming experience.

ADVANCED PLACEMENT COMPUTER SCIENCE PRINCIPLES (1 credit)

AP Computer Science Principles (AP CSP) is an introductory college-level course designed to broaden students' understanding of computer science through creative, collaborative, and real-world applications. This course covers a wide range of foundational topics in computing, equipping students with critical skills for the digital age. Key areas of study include: Computational Thinking and Problem Solving, Programming in Javascript, Data and Information, The Internet: and the Impact of Computing. This course requires no prior programming experience and is recommended for students whose future college plans are in the engineering, mathematics, and/or science fields.

- **Prerequisite:** C or higher in Geometry.

COMPUTER SCIENCE LANGUAGES (1 credit)

This advanced course builds on foundational programming skills, emphasizing agile programming methodologies, team leadership development and the 7 core computational thinking practices. Units of study include C# programming within Unity, focusing on the development of interactive game design, Python programming and Visual Studio Code to build projects that address practical challenges and Exploration of College and Career Pathways in Computer Science.

- **Prerequisite:** B or higher in AP Computer Science Principles.

ADVANCED PLACEMENT COMPUTER SCIENCE A (1 credit)

AP Computer Science A (AP CSA) is a college-level course in computer science, focusing on programming and object-oriented design. Using Java, students will develop strong problem-solving skills and a solid understanding of coding fundamentals. This course covers essential topics in programming, data structures, and algorithms, emphasizing both technical skills and analytical thinking.

- **Prerequisite:** B or higher in Computer Science Languages.

SCIENCE COURSE OFFERINGS

Science is continuing to take on an important role in an increasingly technological society. The science curriculum has been designed to help students meet some of the future challenges they may confront. Successful completion of a chosen science scope and sequence will allow students to enter college, the military, or the workforce with the necessary knowledge and skills to be scientifically literate, and be competitive in their future careers.

The State of Ohio's Science standards require all students to pass three years of science. It also highly recommends that all freshmen will have taken some form of Physical Science and Biological Science by the end of their sophomore year. Each student must fulfill the Board of Education requirement in science by satisfactorily completing a minimum of three (3) credits from this curriculum, and may select additional elective courses to meet special needs or interests.

Although only three Science credits are required for graduation, it is recommended that college-bound students take four years of Science. Such students are encouraged to take any combination of Chemistry, Physics, AP courses, or elective courses. Students can take more than one Science course per year, and are encouraged to do so if it fits into their schedules.

SCIENCE COURSES

PHYSICAL SCIENCE (1 credit)

Physical Science is an exploration of the physical world. It introduces students to key concepts and theories that provide a foundation for further study in biology, chemistry and physics. This course is part of the Ohio standards for high school physical science, and focuses on concepts in physics and chemistry, and as an introduction to engineering.

BIOLOGICAL SCIENCES (1 credit)

Biological Sciences explore the world of living things. This course will include all the Common Core Standards for high school Biological Science. This includes the four main areas of biology, including cells, genetics, diversity and interdependence of life, and evolution.

- **Prerequisite:** Current Sophomore and/or enrolled in Geometry or higher level math
- **Note:** Students who have taken Algebra 1 or Geometry or higher in middle school should enroll in Biology or Biology Honors, per prerequisites for those courses.

BIOLOGICAL SCIENCES HONORS (1 credit)

This course will include the Common Core Standards for high school biological science. It is designed for a student who can learn at a faster pace, who anticipates taking one or more AP science courses in subsequent years. This course will move at an accelerated pace, allowing time for enrichment. Enrichment may include going above the standards by exploring concepts with more depth, extensions of related topics, and student interest-based projects.

- **Prerequisite:** An A in Physical Science and B or higher in Algebra 1 or higher math course.
- **Note:** Students who have taken Algebra 1 or Geometry or higher in middle school should enroll in Biology or Biology Honors, per prerequisites for those courses.

ADVANCED PLACEMENT BIOLOGY (1 credit)

This is a yearlong college level Biology course that follows the course syllabus as established by the College Board, intended for students interested in entering the sciences, medicine, engineering and related fields, or to advance their knowledge of biology. This course is designed to provide a college-level experience and prepare students for the AP exam in early May. Students will develop an understanding of biological concepts through scientific inquiry, investigations, interactive experiences, higher-order thinking, real-world applications, writing analytical essays, statistical analysis, interpreting and collecting data. Students will participate in a variety of engaging activities that enhance their mastery of the following biological concepts: Chemistry of Life; Cell Structure and Function; Cellular Energetics; Cell Communication and Cell Cycle; Heredity; Gene Expression and Regulation; Natural Selection; and Ecology. This course fulfills one required science credit for high school graduation. Class activities include preparation for the required examination administered through the College Entrance Examination Board in May. Textbook studies and laboratory work are combined to make this a fast-paced study for students who have successfully completed Biology with a solid A or high B average. A college textbook is used.

- **Prerequisite:** A- or higher in Biology, or B- or higher in Biology Honors. Also, concurrently enrolled in Chemistry.

CHEMISTRY (1 credit)

Chemistry is a yearlong course intended for the college-bound student. The course will briefly review and expand on topics introduced in physical science. Further development of these topics, along with the addition of more descriptive and quantitative topics will be explored. These topics include the study of chemical interactions and the structure and properties of matter. Laboratory activities will introduce, support and apply the various concepts explored in class. Chemistry is an important prerequisite for AP Biology and AP Chemistry.

- **Prerequisite:** C or higher in Biological Sciences and concurrent enrollment in Algebra 2 or higher math course recommended.

CHEMISTRY HONORS (1 credit)

Chemistry Honors is for students intending to major in science, medicine or engineering. It will prepare students for AP Chemistry, and college-level science courses. The course will move at a faster pace, and cover the material more in-depth. Additional topics will include chemical kinetics and equilibrium, electrochemistry, and an introduction to thermodynamics. The Chemistry Honors curriculum will challenge the student to acquire knowledge independently and to master abstract concepts. Laboratory activities will introduce, support and apply the various concepts explored in class. This course is strongly suggested for those students planning on enrolling in AP Chemistry.

- **Prerequisite:** Achieve a B or higher in Biological Sciences and concurrent enrollment in Pre-calculus or higher math course is recommended.

ADVANCED PLACEMENT CHEMISTRY (1 credit)

AP Chemistry is a college-level course that follows the course syllabus as established by the College Board. This course is intended for students interested in entering the sciences, medicine, engineering and related fields, or to advance their knowledge of chemistry. Students will examine, at an advanced level, atomic and molecular structure and interactions, solution stoichiometry, chemical kinetics and equilibrium, electrochemistry, thermodynamics, and organic chemistry. Extensive independent study is essential for success, and an intensive lab component is provided. Students will take the AP Chemistry Examination at the end of the course. A college textbook is used.

- **Prerequisite:** B or higher in Chemistry and concurrent enrollment in Pre-calculus or higher math course.

EARTH AND SPACE SCIENCE (1 Credit)

Earth and Space Science is a year long course that will explore the different geological processes on Earth such as Minerals, Rocks, and Geologic Time Scale. In addition, there will be analysis into the Ocean and Atmosphere. The second semester will focus on Astronomy; specifically looking at our Solar System, Galaxy, and the ever expanding Universe. This course is part of the Ohio State Learning Standards for Science and fulfills all of the Physical Geology credit for High School.

- **Prerequisite:** Completion of Physical Science and Biological Sciences.

ENVIRONMENTAL SCIENCE (1 credit)

Environmental Science is an upper-level year-long course designed to show thematic connections between a variety of science disciplines including Biology, Chemistry, and Physics. The course will focus on ecosystem dynamics, evolutionary biology, atmosphere, weather and biogeochemical cycles along with investigations into how humans have affected the natural cycle utilizing our ecology land lab as well as labs on pollution studies, climate change and many more. Active involvement in environmental initiatives around the school is strongly encouraged.

- **Prerequisite:** Completion of Physical Science and Biological Sciences.

ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE WITH WE SERVICE (1 credit)

AP Environmental Science is designed to be the equivalent of an introductory college course in Environmental Science. The goal of the Environmental Science AP course is to provide students with scientific principles, concepts and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. The lab portion is a vital part of the course and due to the nature of the course, extended lab time during academic options and weekend field trips to different locations will be necessary.

- **Prerequisite:** B or higher in Physical Science and Biology; completion or concurrent enrollment of Algebra 2 and Chemistry or Physics.
- **Note:** This course does require a summer assignment.

PHYSICS (1 credit)

Physics is the science of energy, forces and motion. The course provides important fundamentals for all college-bound students who will use technology, either directly or indirectly. Physics is the basis of all engineering and technology. Students also learn to understand the physical processes that occur in our everyday lives and in the universe around us. Major topic areas include motion, forces, energy, gravity, electricity, and waves. We may also briefly explore topics in astronomy, relativity and thermal physics. Students will learn to apply math skills and should have a non-programmable scientific calculator.

- **Prerequisite:** Completion of Algebra 2 with C or better in all Math courses.

HONORS PHYSICS (1 credit)

Physics is the science of energy, forces, and motion. The course provides important fundamentals for all college-bound students who will use technology, either directly or indirectly. Major topic areas include motion, forces, energy, gravity, electricity, and waves. We may also briefly explore topics in astronomy, relativity, and thermal physics. Students will learn to apply math skills and should have a non-programmable scientific calculator. **Honors Physics will move at a faster pace, cover more content, and involve more projects and labs than regular Physics. There will be a focus on higher-level critical thinking skills, projects, less-structured problems, and some basic programming.**

- **Prerequisite:** B or higher in Biological Sciences and concurrent enrollment in Pre-Calculus or higher math courses.

ADVANCED PLACEMENT PHYSICS 2 (1 credit)

AP Physics 2 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: fluids; thermodynamics; electrical force, field, and potential; electric circuits; magnetism and electromagnetic induction; geometric and physical optics; and quantum, atomic, and nuclear physics. It is equivalent to a one-semester, algebra-based, college-level Physics course. It is especially appropriate for students planning to specialize or major in Physics, Chemistry, or Engineering. Additionally, there is a lab component where students will spend a minimum of 25% of instructional time engaged in hands-on laboratory work. Students will ask questions, make observations and predictions, design experiments, analyze data, and construct arguments in a collaborative setting, where they direct and monitor their progress. Each student will complete a lab notebook or portfolio of lab reports.

- **Prerequisite:** Students should have completed Honors Physics or Physics, and be concurrently enrolled in Pre-calculus or higher math class.
- **Note:** The course will be offered in the even years (25-26, 27-28, 29-30, etc..)

ADVANCED PLACEMENT PHYSICS C: MECHANICS (1 credit)

AP Physics C: Mechanics is a calculus-based, college-level physics course. It covers kinematics; Newton's laws of motion; work, energy, and power; systems of particles and linear momentum; circular motion and rotation; oscillations; and gravitation. It is equivalent to a one-semester, Calculus-based, college-level Physics course. It is especially appropriate for students planning to specialize or major in Physics, Chemistry, or Engineering. Additionally, there is a lab component where students will spend a minimum of 25% of instructional time engaged in hands-on laboratory work. Students will ask questions, make observations and predictions, design experiments, analyze data, and construct arguments in a collaborative setting, where they direct and monitor their progress. Each student will complete a lab notebook or portfolio of lab reports.

- **Prerequisite:** Students should have completed Honors Physics, AP Physics 2, or Physics, and should have taken or be concurrently enrolled in Calculus or higher math class.
- **Note:** The course will be offered in the odd years (26-27, 28-29, 30-31, etc.)

ENGINEERING TECHNOLOGY/ ADVANCED MANUFACTURING COURSE OFFERINGS

Engineering Technology and Advanced Manufacturing courses prepare students to apply science and technology to in-demand college and career fields. The Engineering technology classes will count towards science credits for students. The Advanced Manufacturing classes will count as science credits.

ENGINEERING TECHNOLOGY

INTRO TO ENGINEERING (.50 high school credit or 0.67 high school credit & 2 college credits, if taken for college credit)

This hands-on, project-based course will provide an introduction into how individuals in technical fields follow the steps of the engineering process, communicate their design ideas using sketching and computer-aided drafting (CAD), and create a final prototype to solve the given problem. Students will learn about different career choices within the field of engineering. This course is available for high school and/or for college credit (2 semester hours) through Marion Technical College. Students must apply to Marion Technical College Credit Plus Program, be accepted, and qualify for CCP. Students taking this course for college credit will also complete an online module to obtain an OSHA 10 certification.

- **Prerequisite:** Concurrently enrolled in Geometry or higher Math.
- **Prerequisite:** To take the course through CCP, acceptance through application process for Marion Technical College's CCP.

ENGINEERING DRAWINGS & DIAGRAMS (.50 high school credit or 0.67 high school credit & 2 college credits, if taken for college credit)

Students will gain experience creating, using and interpreting engineering drawings of mechanical and electrical systems. Visualization of 3D objects as well as the development of multiview, isometric and section view hand sketched drawings as they relate to mechanical components and systems will be covered. Through this course, students will acquire the skills needed to create, interpret and understand the use of various types of engineering drawings. This course is available for high school and/or college credit (2 semester hours) through Marion Technical College.

- **Prerequisite:** Completion of Geometry (C or higher) or higher Math.
- **Prerequisite:** To take the course through CCP, acceptance through application process for Marion Technical College's CCP

COMPUTER AIDED DRAFTING (CAD) (0.5 high school credit or 1 high school credit & 3 college credits, if taken for college credit)

CAD is a hands-on course that will emphasize the basic concepts of parametric part and assembly modeling using the latest computer aided design (CAD) software. Students will learn to create and modify three-dimensional (3D) parts and combine these parts into assemblies. Students will make fully dimensioned two-dimensional (2D) detail drawings from 3D parts and use part assemblies to make exploded scene drawings. The concepts covered and skills developed in this course can easily be adapted to the many parametric modeling software programs currently used in industry. Students may earn the AutoCad User and SolidWorks Associate Certifications. This course is available for high school and/or college credit (3 semester hours) through Marion Technical College.

- **Prerequisite:** Engineering Drawings & Diagrams with a C or better. It is also strongly recommended students have also completed Intro to Engineering as students will have some exposure to CAD prior to taking this course.
- **Prerequisite:** To take the course through CCP, acceptance through application process for Marion Technical College's CCP program and completion of Engineering Drawings and Diagrams for college credit.

ROBOTICS (.50 credit)

The use of robotic technology is becoming increasingly common in today's society, and the study of Robotics provides an exciting opportunity for students to learn about the engineering design process. Throughout this semester-long, project-based curriculum, students will learn about topics such as mechanical power transmission, drivetrain design, and lifting mechanisms and how they apply to mobile robotics. Students will also integrate sensors into their robot designs and use a C-based programming language to create robots that can accomplish tasks autonomously. Most of the course will focus around task-based challenges and class competitions. Any student with interests in Engineering or Computer science is encouraged to enroll.

- **Prerequisite:** Concurrently enrolled in Geometry or higher Math.

ADVANCED MANUFACTURING COURSES

EXPLORATORY ENGINEERING/ADVANCED MANUFACTURING 1 (.50 credit)

This course introduces students to next generation advanced manufacturing where students will learn concepts & terminology of smart manufacturing; basic setup, adjustment & operation of automated machines; safety and hand tools; blueprint & schematic reading; precision measurement; basic electrical control, pneumatic, & sensor systems operation; basic robot operation & terminology; production monitoring via HMI, Internet, ethernet, & smart phones. Students taking this course have the opportunity to earn the Smart Automation Certification Alliance Basic Operations industry credential.

- **Recommendation:** It is recommended that students have some background in Engineering/Manufacturing terminology by taking Career Explorations (at Dempsey or at Hayes) or through Intro to Engineering. It is not required, though.

EXPLORATORY ENGINEERING/ADVANCED MANUFACTURING 2 (.50 credit)

This course builds off of the technology and engineering skills of Exploratory Engineering Technology 1 such as smart manufacturing system metrics & optimization; setup, adjustment, & operation of computer controlled machines; basic ethernet network operation; basic programmable controller programming & operation; basic mechanical & hydraulics system operation & adjustment; basic mechatronic systems programming & operation; basic robotics & CNC programming/operation; HMI interface & operation. Students taking this course have the opportunity to earn the Smart Automation Certification Alliance Advanced Operations industry credential.

- **Prerequisite:** Exploratory Engineering/Advanced Manufacturing 1.

EXPLORATORY ENGINEERING/ADVANCED MANUFACTURING 3 & 4 (1.0 credit)

This course builds off of the technology and engineering skills of Exploratory Engineering Technology 2 such as concepts & terminology of robots, robot setup & adjustment, robot operations & basic programming, robot-ethernet network communications, robot I/O device & PLC system interfacing and robot smart manufacturing concepts, barcode & RFID programming & operation, smart sensor programming & operation, managed ethernet switch configuration & operation, variable frequency drive programming, SQL database systems, data analytics & manufacturing execution systems (MES) and lean manufacturing & system optimization. Students taking this course have the opportunity to earn the Smart Automation Certification Alliance IIoT, Networking and Data Analytics industry credential. Students taking this course have the opportunity to earn the Smart Automation Certification Alliance Robot System Operations industry credential.

- **Prerequisite:** Exploratory Engineering/Advanced Manufacturing 2.

SEMICONDUCTOR 101 (1 high school credit and 3 college credits)

This is one of three courses for the Intel Semiconductor Credential. In this course, a student will explore career opportunities within the semiconductor industry and learn how people effectively work in a cleanroom environment and adhere to chemical safety best practices. Students will be introduced to how semiconductor wafers are manufactured and processed to become an integrated circuit used in a variety of industries. Students will demonstrate problem-solving, critical thinking and communication skills while learning how the microelectronic manufacturing environment focuses on punctual delivery of products and tasks, according to the Standard Operating Procedure (SOP)/checklist. **This course is only offered at Marion Technical College's Campus at this time.**

- **Prerequisite:** To take the course, acceptance through application process for Marion Technical College's CCP program, GPA of 3.0, and qualifying ACT/SAT/Accuplacer Test Scores.
- **Prerequisite:** Grades 10 - 12.

MANUFACTURING PROCESSES (1 high school credit and 3 college credits)

This is the second course for the Intel Semiconductor Credential. This course is designed to give students an overview of the vast world of manufacturing. Many aspects of manufacturing will be discussed, including manufacturing methods, metrology, and material properties, in order to provide the students with a strong foundation of knowledge for use in future MET and MFT courses.

- **Prerequisite:** To take the course, acceptance through application process for Marion Technical College's CCP program, GPA of 3.0, and qualifying ACT/SAT/Accuplacer Test Scores.
- **Prerequisite:** Grades 10 - 12.

INTRODUCTION TO VACUUM SYSTEMS (1 high school credit and 3 college credits)

This is the third course for the Intel Semiconductor Credential. In this course, students will be introduced to the operational mechanisms and process use of vacuum pumps used in the semiconductor industry. Students will explain the operational methodology and process use of equipment that require vacuum pumps used in the semiconductor industry. Students will demonstrate problem-solving, critical thinking and communication skills while learning how to perform maintenance on a vacuum system. **This course is only offered at Marion Technical College's Campus at this time.**

- **Prerequisite:** To take the course, acceptance through application process for Marion Technical College's CCP program, GPA of 3.0, and qualifying ACT/SAT/Accuplacer Test Scores.
- **Prerequisite:** Grades 10 - 12.

HEALTH SCIENCE COURSE OFFERINGS

The Health Science courses will help prepare students for careers in the Healthcare Industry, whether they plan on entering the workforce directly from high school or plan on attending college for additional certifications or degrees.

HEALTH SCIENCES COURSES

Introduction to Health Science Careers 1 & 2 (1/2 credit each)

This course allows students to gain exposure to a variety of careers in the field of health care. These include Biotechnology, Nursing, Pharmacology, Medical Imaging, Health care management, Clinical Labs, Dentistry, Speech Therapy, and Ophthalmology. Students are introduced to basic healthcare concepts including medical terminology, anatomy/physiology, and the structure of the healthcare system. Students will also learn about the legal and ethical responsibilities associated with the healthcare field. Throughout the course, students will be actively engaged in the activities or duties of the medical career area, as well as learning about, training and/or certification requirements for in-demand jobs.

HUMAN ANATOMY AND PHYSIOLOGY (1 credit)

This course is designed to give an in-depth understanding of the structures and functions of the human body. The subject matter will focus on four areas: the language of anatomy and physiology, the body systems (muscular system, nervous system, digestive system, etc.), the interrelatedness of the organ systems, and the major pathologies/diseases of the individual organ systems. This course will include multiple labs and activities including several dissections throughout the term.

- **Prerequisite:** B average or above in Biology and a C or higher in Chemistry or concurrently enrolled in Chemistry.

MEDICAL BIOLOGY (.50 credit)

Medical biology is a course that will cover different aspects of life science that are integrated within the medical field. The course will cover topics such as, medical history, exploration of different types of microorganisms and the infectious diseases that they cause, how those microbes are studied, how diseases spread, and some of the different biotechnology processes used within medical/forensic laboratories. The course will also utilize case studies and different elements of scientific research and literature to examine how biological processes learned in biology play a role within the field of medicine.

- **Prerequisite:** C or higher in Biological Sciences; designed to be taken with Bioethics.

BIOETHICS (.50 credit)

This course centers on contemporary topics in biology and biotechnology that require ethical examination. The focus of this course will be on the examination of various topics with the student's responsibility to explore all aspects of the topics in a scientific debate setting. This curriculum is designed to help guide students to analyze issues using scientific facts, ethical principles, and reasoned judgment.

- **Prerequisite:** C or higher in Physical Science and Biological Sciences; designed to be taken with Medical Biology.

NURSE ASSISTANT CERTIFICATION PREP (NURC1003) – MARION TECHNICAL COLLEGE (1 high school Elective credit and 3 college credits)

This course includes concepts related to basic nursing. This course also includes the guidelines set forth in the Omnibus Budget Reconciliation Act of 1987 (OBRA 1987) and focuses on care of elderly residents in the long-term care (LTC) facilities. Content includes an overview of the role of the nursing assistant, communication and interpersonal skills, infection control, safety and emergency procedures, promotion of residents' independence, protection of and respect for residents' rights, psychosocial needs and interactions, and basic nursing, personal care, and restorative care skills. Critical thinking situations are an integral part of each class discussion. A background check, TB test, and health record will need to be provided to Marion Technical College. At the conclusion of the course, students will be able to take the Certified Nursing Assistant (CNA) certification test. These costs are not covered by CCP funding.

- **Prerequisite:** Acceptance through application process for MTC's CCP program, GPA 3.0, & qualifying ACT/SAT/Accuplacer Test

SOCIAL STUDIES COURSE OFFERINGS

Each student must fulfill the Board of Education requirement in social studies by satisfactorily completing a minimum of three (3) credits from this curriculum. Students must complete at least ½ credit in Modern World History, ½ credit in US History, and ½ credit in American Government. Students may select additional elective courses to meet special needs or interests.

FOUNDATIONAL SOCIAL STUDIES COURSES

MODERN WORLD HISTORY (1 credit)

This year-long required course is taken by students in the ninth grade. This study incorporates each of the seven social studies standards. 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.

MODERN WORLD HISTORY HONORS (1 credit)

Honors ninth-grade students continue the chronological study of world history. As students study historic eras, they consider the influence of geographic settings, cultural perspectives, economic systems, and various forms of government. All world history courses (honors or otherwise) utilize similar targets and indicators for student performance. However, students enrolled in Modern World History Honors will cover course content at a faster pace and/or in greater depth than those students enrolled in other Modern World History classes. The critical thinking and writing skills required for this class will also prepare the student for Advanced Placement level social studies classes. Literary and historical reading and writing are also major components of the curriculum. Students will gain a deeper understanding of the role of citizens and continue to develop their research skills.

- **Prerequisite:** 8th Grade Social Studies and Language Arts Semester Grade of B or higher.

UNITED STATES HISTORY (1 credit)

This year-long, required course is taken by students in the tenth grade. Students continue to study the chronological study of the history of the United States with emphasis on domestic affairs. This study incorporates each of the seven social studies standards. 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 develop command of social studies skills and methods.

UNITED STATES HISTORY HONORS (1 credit)

To prepare you to learn in and contribute to an information-oriented world, this year-long honors level course will provide a very detailed overview of United States history from the country's beginnings to the current world conditions that we live in today. You will gain insight into the forging of the new nation, the sectional conflicts that nearly tore it apart, and the Civil War and Reconstruction. You will learn about nineteenth-century industrialization and urbanization, the growth of the West and the "New South," and political efforts to reform capitalism. You will also analyze the effects of the Great Depression and the New Deal, the Cold War and the United States' role as a world power, and more recent challenges such as movements for equality, environmental issues, and global terrorism. As a class, we will investigate and interpret past events, learn collaboratively, encourage personal ownership of learning, and apply what we have learned to real-world situations.

ADVANCED PLACEMENT UNITED STATES HISTORY (1 credit)

In AP U.S. History, students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change. The course also provides eight themes that students explore throughout the course in order to make connections among historical developments in different times and places: American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures. AP U.S. History is equivalent to a two-semester introductory college course in U.S. history. There are no prerequisites for AP U.S. History. Students should be able to read a college-level textbook and write grammatically correct, complete sentences.

AMERICAN GOVERNMENT AND ECONOMICS (1 credit)

This year-long course is a study of the principles and practices of government on the national, state, and local levels. Areas of study are: legislative, executive and judicial branches of government, political parties, elections, civil rights, American foreign policy, and comparative political systems. Students will also explore various economic systems, as well as examining the forces that control a market economy. In addition, the class will also address how economic policy and market changes can affect the individual. This course satisfies the American Government curriculum, as well as the new Ohio Peace Officer requirement.

ADVANCED PLACEMENT UNITED STATES GOVERNMENT AND POLITICS (1 credit)

Advanced Placement United States Government and Politics is a year-long course that will give students an analytical perspective on government and politics in the United States. This course involves both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. political reality. Topics likely to be covered include: constitutional underpinnings of 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 may be taken to fulfill the government & economics requirement. An examination prepared and evaluated by College Board and given in May is used by colleges to determine advanced placement and/or college credit. This exam is recommended for- all students. This course will also implement the new Ohio Peace Officer requirement.

- **Prerequisite:** B or higher in Social Studies and English courses.

FINANCIAL LITERACY (.5 credit)

This course is designed to teach students the essential concepts of personal finances and to give them a lifetime program of successful money management. Students will learn several financial strategies, including banking; budgeting; savings; buying cars, house and insurance; investing; how to handle credit and debt; and philanthropy.

- **Prerequisite:** Grades 10, 11, 12.
- **Note:** The course satisfies the Financial Literacy requirement for graduation.

ELECTIVE SOCIAL STUDIES COURSES

CURRENT ISSUES (.50 credit)

For this elective semester course, students will apply their skills and knowledge to research current issues. The learner will participate in projects that will provide them the opportunity to conduct academic research and to utilize the results in considering solutions to real problems or issues.

SOCIOLOGY (.50 credit)

For this elective semester course, students will apply their skills and knowledge to research sociology. Students will have an opportunity to further understand the relationship of mankind in society. Problems, relationships, and institutions will all be explored. This course will enable students to apply skills and knowledge gained through earlier courses and will provide opportunities to better understand real-world problems and issues.

ADVANCED PLACEMENT EUROPEAN HISTORY (1 credit)

This Advanced Placement college course begins with a brief summary of ancient history establishing the foundation of Western Civilization, followed by a survey of the Middle Ages to determine the roots of modern European institutions. The remainder of the course, and the emphasis, is devoted to the history of modern Europe from the High Renaissance to the present. An examination prepared and evaluated by College Board and given in May is used by colleges to determine advanced placement and/or college credit. This exam is recommended for- all students.

- **Prerequisite:** B or higher in Social Studies and English courses and passing scores on Social Studies OSTs.

ADVANCED PLACEMENT PSYCHOLOGY (1 credit)

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, treatment of abnormal behavior, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, analyze bias, evaluate claims and evidence, and effectively communicate ideas. This exam is recommended for all students.

- **Prerequisite:** Completion of World History and US History.

AP WORLD HISTORY: MODERN (1 credit)

In AP World History: Modern, students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and

continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

- **Prerequisite:** 8th Grade Social Studies and Language Arts Semester Grade of B or higher. For upperclassmen, a B or higher in Social Studies and English courses.

MUSIC COURSE OFFERINGS

A high degree of conduct, attendance, and performance ability is to be maintained in all performing arts classes. Failure to meet these standards may result in removal from the class.

VOCAL MUSIC COURSES

CONCERT CHOIR (1 credit)

This course is open to students with soprano and alto voices and does not require an audition. This course will provide students with an understanding of good vocal techniques and singing habits that will enhance their personal enjoyment of singing. The concert choir will perform in regularly scheduled concerts.

- **Prerequisite:** Recommendation of Middle School Choral Director or interview with High School Choral Director.
- **Note:** Members are required to attend dress rehearsals and concerts.

CHORALE (1 credit)

This course is open to students with alto and soprano voices. Chorale performs at scheduled school concerts and sings both secular and sacred music. Chorale participates in Ohio Music Education Association Adjudicated Events.

- **Prerequisite:** Admission for new members by audition only. The Director reserves the right to re-audition current members.
- **Note:** Members are required to attend dress rehearsals and concerts.

ENSEMBLE (1 credit)

Ensemble is a performing group designed to create interest among students with bass and tenor voices and enhance their understanding of musical styles written for bass and tenor singers. Ensemble performs at scheduled school concerts and community events.

- **Prerequisite:** Admission for new members by audition only. The Director reserves the right to re-audition current members
- **Note:** Members are required to attend dress rehearsals and concerts.

SYMPHONIC CHOIR (1 credit)

The Symphonic Choir is designed to meet the needs and interests of students desiring to perform more advanced choral literature. Music is selected from all periods of music history and is both secular and sacred. The Symphonic Choir performs at scheduled concerts, community events and participates in Ohio Music Education Association Adjudicated Events.

- **Prerequisite:** Admission for new members by audition only. The Director reserves the right to re-audition current members
- **Note:** Members are required to attend dress rehearsals and concerts.

HAYES SINGERS (1 credit)

This select show choir performs at scheduled school concerts and community events. Membership in Symphonic Choir is required. Hayes Singers rehearses during the school day and after school. Auditions are held in May. Members will need to purchase outfits.

- **Prerequisite:** Admission for new members by audition only. The Director reserves the right to re-audition current members
- **Note:** Members are required to attend dress rehearsals and concerts.

INSTRUMENTAL MUSIC COURSES

CONCERT ORCHESTRA (1 credit)

The Concert Orchestra is composed of string players who can demonstrate a moderate level of proficiency on violin, viola, cello, or bass. Musical literature is varied and includes all styles from Baroque to Contemporary. Students in this class perform OMEA Class C high school level music. This class is designed to refine individual and group performance skills in preparation for membership in Symphony Orchestra. The members of Concert Orchestra should be prepared for a performance schedule that includes school concerts and State Orchestra AE. Concert Orchestra generally performs 5 concerts per school year. Performances and dress

rehearsals are mandatory. In addition to performing, students will continue their study of music theory and history. Students must have performed in their school orchestra the previous year. Fees for uniforms, dry cleaning, and Breezin' Thru Theory are required. Private lessons are encouraged.

- **Prerequisite:** Admission for new members by audition only. The Director reserves the right to re-audition current members.

CHAMBER ORCHESTRA (1 credit)

Chamber orchestra is the introductory class for all orchestra students, grades 9-12, that play the violin, viola, cello, and bass. Chamber Orchestra generally performs four concerts per school year. Private lessons are encouraged.

SYMPHONY ORCHESTRA (1 credit)

The Symphony Orchestra is composed of advanced string players who can demonstrate a high level of proficiency on violin, viola, cello, or bass. Musical literature is varied and includes all styles from Baroque to Contemporary. Students in this class perform OMEA Class B high school level music. The members of Symphony Orchestra should be prepared for a rehearsal and performance schedule that includes State Orchestra AE and school concerts. Symphony Orchestra generally performs 5 concerts per school year. Performances and dress rehearsals are mandatory. In addition to performing, students will continue their study of music theory and history. Fees for uniforms, dry cleaning, and Breezin' Thru Theory are required. Private lessons are encouraged.

- **Prerequisite:** Admission for new members by audition only. The Director reserves the right to re-audition current members.

HAYES PLAYERS (1 credit)

Hayes Players is a chamber orchestra composed of the most advanced string players who can demonstrate the highest level of proficiency on violin, viola, cello, or bass. Acceptance into this group is by yearly audition only. Musical literature is varied and includes all styles from Baroque to Contemporary. Students in this class perform OMEA Class A high school level music. The members of Hayes Players should be prepared for a rigorous rehearsal and performance schedule that includes Solo & Ensemble, State Orchestra AE, school concerts, and community performances. Hayes Players generally performs 6-7 concerts per school year in addition to playing many events in the community and within the school. Performances and dress rehearsals are mandatory. In addition to performing, students will continue their study of music theory and history. Fees for uniforms, dry cleaning, and Breezin' Thru Theory are required. Private lessons are strongly encouraged.

- **Prerequisite:** Admission for new members by audition only. The Director reserves the right to re-audition current members.

CONCERT MARCHING BAND (1 credit)

Concert Band is an audition-based wind ensemble that performs music with a focus on developing and refining individual and ensemble playing skills. The Concert Band performs music of high quality and appropriate difficulty and competes in OMEA Large Group Contest at the District and State level. All students who enroll in Concert Band are **required** to be a member of the marching band and pep band as the marching arts are crucial to the development of fine young musicians.

- **Prerequisite:** Admission by audition only.
- **Note:** Symphonic/Marching band participation earns a physical education waiver.

SYMPHONIC MARCHING BAND (1 credit)

The Symphonic Band is a co-curricular audition-based wind ensemble that features the finest musicians in the Hayes Band program. The Symphonic band continues refinement of professional skills and performs music of the highest quality. The Symphonic Band competes in OMEA Large Group Contest at the District and State level. All students who enroll in Symphonic Band are **required** to be a member of the marching band and pep band as the marching arts are crucial to the development of fine young musicians.

- **Prerequisite:** Admission by audition only.
- **Note:** Symphonic/Marching band participation earns a physical education waiver.

MUSIC THEORY AND HARMONY (1 credit)

A practical study of the theory of music. Basic to intermediate study will be done with the melodic, rhythmic and harmonic structures of music through the study of rhythm, intervals, scales, chords and harmonic progressions. Ear training, sight singing and written notation will be the areas of concentration.

- **Prerequisite:** 11th or 12th grade students and concurrent enrollment in a performing ensemble course.

Students are expected to demonstrate a strong work ethic and improve skills over time. Students taking art classes should be willing to think about ideas, read, write, view, and discuss like an artist. Students are expected to create art for the many opportunities to exhibit work throughout the year. Art courses may only be taken one time for credit.

ANIMATION 1 (.50 credit)

This course will introduce students to the art of animation & character development. Students will create, edit and share simple videos. We will explore traditional & contemporary animation, computer generated 3D character development & animation. Students will need to work with others, push their own comfort levels with technology, be willing to think about ideas, read, write, view and discuss like an artist.

ANIMATION 2 (.50 credit)

We will explore traditional & contemporary animation. Students will create and animate a vector character in Adobe Flash. Students will also animate a 3D character in Blender.

- **Prerequisite:** Completion of Animation 1 and permission of instructor.

ANIMATION 3 (.50 credit)

We will continue to learn different animation techniques and possibly look at the concepts of game design

- **Prerequisite:** Completion of Animation 2 and permission of instructor.
- **Note:** Completion of Animation 3-6 with a B or better will earn the Technology Graduation Seal.

ANIMATION 4 (.50 credit)

Students will continue to develop their animation skills. There will be a focus on character and story development.

- **Prerequisite:** Completion of Animation 3 and permission of instructor.
- **Note:** Completion of Animation 3-6 with a B or better will earn the Technology Graduation Seal.

ANIMATION 5 (.50 credit)

Students will continue to develop their animation skills. There will be a focus on character and story development.

- **Prerequisite:** Completion of Animation 4 and permission of instructor.
- **Note:** Completion of Animation 3-6 with a B or better will earn the Technology Graduation Seal.

ANIMATION 6 (.50 credit)

Students will continue to develop their animation skills. There will be a focus on character and story development.

- **Prerequisite:** Completion of Animation 5 and permission of instructor.
- **Note:** Completion of Animation 3-6 with a B or better will earn the Technology Graduation Seal.

ART APPRECIATION (.50 credit)

This is a non-studio focused class, meaning there may be some hands-on projects, but the focus will be on looking at art and discussing and writing about art and art concepts. The course will explore various concepts from across the history of art and examine artist's reactions to those concepts.

CERAMICS 1 (.50 credit)

Ceramics 1 is a one-semester course that introduces basic hand-built techniques. Sculptural as well as functional objects will be created using slab built and coil construction.

CERAMICS 2 (.50 credit)

Students will continue developing skills with emphasis on sculptural form. Students will be encouraged to explore experimental techniques in glazing and firing.

- **Prerequisite:** Completion of Ceramics 1 and permission of instructor.

CERAMICS 3 (.50 credit)

Ceramics 3 is a one-semester course that focuses on introduction to the potter's wheel. Students are also expected to exhibit a strong work ethic, improve skills over time, and create work for exhibition throughout the year.

- **Prerequisite:** Completion of Ceramics 2 and permission of instructor.

CERAMICS 4 (.50 credit)

Ceramics 4 is a one-semester course that focuses on wheel-thrown. Students are expected to work independently to complete a student-developed list of projects for the semester. Students are also expected to exhibit a strong work ethic, improve skills over time, and create work for exhibition throughout the year.

- **Prerequisite:** Completion of Ceramics 3 and permission of instructor.

CERAMICS 5 (.50 credit)

Ceramics 5 is a one-semester course that focuses on continued work and skill development combining wheel-thrown. Students are also expected to exhibit a strong work ethic, improve skills over time, and create work for exhibition throughout the year.

- **Prerequisite:** Completion of Ceramics 4 and permission of instructor.

CERAMICS 6 (.50 credit)

Ceramics 6 is a one-semester course that focuses on continued work and skill development combining wheel-thrown and hand-building techniques. Students are expected to work independently to complete a student-developed list of projects for the semester. Students are also expected to exhibit a strong work ethic, improve skills over time, and create work for exhibition throughout the year.

- **Prerequisite:** Completion of Ceramics 5 and permission of instructor.

COMPUTER GRAPHICS 1 (.50 credit)

A one-semester course introducing students to computer generated art. The focus will be how to navigate & use Adobe Photoshop, Illustrator & InDesign. Emphasis will be placed on understanding; image resolution, file types, saving and sharing. Students will create a digital portfolio to showcase artwork created during the semester. Art students will learn the importance of technology in art; it's not a replacement for traditional art, but another tool to use in creative expression and visual communication.

COMPUTER GRAPHICS 2 (.50 credit)

This one-semester course will continue to explore creative technology and developing computer art skills. Teaching how artists use the elements and principles of design will be a major focus, with students learning to design and create more original art. Students will continue to refine their digital portfolio.

- **Prerequisite:** Completion of Computer Graphics 1 and permission of instructor.

COMPUTER GRAPHICS 3 (.50 credit)

This one-semester course will continue to explore creative technology and developing computer art skills. Students are expected to work more independently and should exhibit a strong work ethic. Students should gain the understanding that with computer generated art, creativity is boundless, works of art can be created with precision, made ready for reproduction & sharing. Students may work on project requests by others, school groups or community groups.

- **Prerequisite:** Completion of Computer Graphics 2 and permission of instructor.
- **Note:** Completion of Computer Graphics 3-6 with a B or better will earn the Technology Graduation Seal.

COMPUTER GRAPHICS 4 (.50 credit)

This one-semester course will continue to explore creative technology and developing computer art skills. Students will be expected to work independently and develop more personal projects during the semester. There will also be a focus on examining Computer graphic art careers & college programs. Students will complete at least 1 community-based project. Students are also expected to exhibit a strong work ethic, improve skills, and create work for exhibition throughout the semester.

- **Prerequisite:** Completion of Computer Graphics 3 and permission of instructor.
- **Note:** Completion of Computer Graphics 3-6 with a B or better will earn the Technology Graduation Seal.

COMPUTER GRAPHICS 5 (.50 credit)

This one-semester course will continue to explore creative technology and developing computer art skills. Students will be expected to work independently and complete specific instructor directed projects. Students are also expected to exhibit a strong work ethic, improve skills, and create work for exhibition throughout the semester. Students will continue to refine their digital portfolio.

- **Prerequisite:** Completion of Computer Graphics 4 and permission of instructor.
- **Note:** Completion of Computer Graphics 3-6 with a B or better will earn the Technology Graduation Seal.

COMPUTER GRAPHICS 6 (.50 credit)

This one-semester course will continue to explore creative technology and developing computer art skills. Students will be expected to work independently and complete specific instructor directed projects. Students are also expected to exhibit a strong work ethic, improve skills, and create work for exhibition throughout the semester. Students will continue to refine their digital portfolio, and be encouraged to visit a college portfolio review day.

- **Prerequisite:** Completion of Computer Graphics 5 and permission of instructor.
- **Note:** Completion of Computer Graphics 3-6 with a B or better will earn the Technology Graduation Seal.

DRAWING 1 (.50 credit)

This one-semester course focuses on learning and developing drawing techniques. Projects will be assigned that emphasize the practice of these techniques using various drawing media. Assignments include still life, linear perspective, figure drawing and others.

DRAWING 2 (.50 credit)

Drawing 2 will emphasize a continued focus on developing drawing skills using a variety of media. Students will explore the creative process with an emphasis on subject development.

- **Prerequisite:** Completion of Drawing 1 and permission of instructor.

DRAWING 3 (.50 credit)

In this class there is a continued focus on developing drawing skills using a variety of media. Students will be expected to create original works based on their own personal themes and content. There is an emphasis on participating in competitions and exhibits.

- **Prerequisite:** Completion of Drawing 2 and permission of instructor.

DRAWING 4 (.50 credit)

In this class there is a continued focus on developing drawing skills using a variety of media. Students will be expected to create original works based on their own personal themes and content. There is an emphasis on participating in competitions and exhibits.

- **Prerequisite:** Completion of Drawing 3 and permission of instructor.

DRAWING 5 (.50 credit)

In this class there is a continued focus on developing drawing skills using a variety of media. Students will be expected to create original works based on their own personal themes and content. There is an emphasis on participating in competitions and exhibits.

- **Prerequisite:** Completion of Drawing 4 and permission of instructor.

DRAWING 6 (.50 credit)

In this class there is a continued focus on developing drawing skills using a variety of media. Students will be expected to create original works based on their own personal themes and content. There is an emphasis on participating in competitions and exhibits.

- **Prerequisite:** Completion of Drawing 5 and permission of instructor.

EXPRESSIVE ART (.50 credit)

This course replaces Introduction to Art as a semester-long general art course. Expressive Art is a one-semester course that explores basic concepts, techniques, and art appreciation. Students will use a variety of media, such as painting, drawing, collage, etc. in this class. Projects may be inspired by art therapy concepts.

PAINTING 1 (.50 credit)

This one-semester course is designed for the student who has completed a semester of drawing and wishes to explore advanced media and methods of painting, which may include tempera, water color, acrylic painting on paper and canvas, and mixed media. Structured assignments include still life, figure, and landscape.

PAINTING 2 (.50 credit)

In this class there is a continued focus on developing painting skills using a variety of media. Students will be expected to create original works based on their own personal themes and content. There is an emphasis on participating in competitions and exhibits.

- **Prerequisite:** Completion of Painting 1 and permission of instructor.

PAINTING 3 (.50 credit)

In this class there is a continued focus on developing painting skills using a variety of media. Students will be expected to create original works based on their own personal themes and content. There is an emphasis on participating in competitions and exhibits.

- **Prerequisite:** Completion of Painting 2 and permission of instructor.

PAINTING 4 (.50 credit)

In this class there is a continued focus on developing painting skills using a variety of media. Students will be expected to create original works based on their own personal themes and content. There is an emphasis on participating in competitions and exhibits.

- **Prerequisite:** Completion of Painting 3 and permission of instructor.

PAINTING 5 (.50 credit)

In this class there is a continued focus on developing painting skills using a variety of media. Students will be expected to create original works based on their own personal themes and content. There is an emphasis on participating in competitions and exhibits.

- **Prerequisite:** Completion of Painting 4 and permission of instructor.

PAINTING 6 (.50 credit)

In this class there is a continued focus on developing painting skills using a variety of media. Students will be expected to create original works based on their own personal themes and content. There is an emphasis on participating in competitions and exhibits.

- **Prerequisite:** Completion of Painting 5 and permission of instructor.

PHOTOGRAPHY 1 (.50 credit)

This is an introductory course in photography that concentrates on the basics of camera function. Emphasis is placed on visual creativity and technical competence of the craft. All students will take pinhole photographs and learn the basics of darkroom use as a way of introducing the photographic process. **You need to have your own camera** for this class (cell phones are not acceptable). Film camera requirements: 35mm SLR camera, with manual exposure settings available (focus, ISO, aperture, shutter speed). Film students must provide their own film and photo paper (chemicals are provided by the school). Digital camera requirements: digital camera with manual exposure settings available (focus, ISO, aperture, and shutter speed), SLR preferred. Digital students must provide professional prints for grading and display.

PHOTOGRAPHY 2 (.50 credit)

Students will continue to develop their understanding of the photographic process and their own artist's voice. Students are encouraged to develop their own style through the use of more sophisticated techniques. You need to have your own camera for this class (cell phones are not acceptable). Film camera requirements: 35mm SLR camera, with manual exposure settings available (focus, ISO, aperture, shutter speed). Film students must provide their own film and photo paper (chemicals are provided by the school). Digital camera requirements: digital camera with manual settings available (focus, ISO, aperture, and shutter speed), SLR preferred. Digital students must provide professional prints for grading and display.

- **Prerequisite:** Completion of Photography 1 and permission of instructor.

PHOTOGRAPHY 3 (.50 credit)

Photography 3 is a one-semester course that continues to focus on developing skills (the ability to see and capture light, lines, moments in time), and continued development of the artist's voice (vision, story, and creativity in images). Students are expected to work independently to complete a list of projects for the semester. There is an emphasis on participating in competitions and exhibits.

- **Prerequisite:** Completion of Photography 2 and permission of instructor.
- **Note:** Completion of Photography 3-6 with a B or better can earn students the Technology Seal.

PHOTOGRAPHY 4 (.50 credit)

Photography 4 is a one-semester course that continues to focus on skill development and developing artist's voice. Students are expected to work independently to complete a list of projects for the semester. There is an emphasis on participating in competitions and exhibits.

- **Prerequisite:** Completion of Photography 3 and permission of instructor.
- **Note:** Completion of Photography 3-6 with a B or better can earn students the Technology Seal.

PHOTOGRAPHY 5 (.50 credit)

Photography 5 is a one-semester course that continues to focus on skill development and developing artist's voice. Students are expected to work independently to complete a student-developed list of projects for the semester. There is an emphasis on participating in competitions and exhibits. Students enrolled in this course have the opportunity to earn three semester hours of credit by completing assignments to meet the requirements for Digital Image Manipulation at Marion Technical College. The coursework extends photo learning as students use photography for a series of graphic design projects.

- **Prerequisite:** Completion of Photography 4 and permission of instructor.
- **Note:** Completion of Photography 3-6 with a B or better can earn students the Technology Seal.

PHOTOGRAPHY 6 (.50 credit)

Photography 6 is a one-semester course that continues to focus on skill development and developing artist's voice. Students are expected to work independently to complete a student-developed list of projects for the semester. There is an emphasis on participating in competitions and exhibits.

- **Prerequisite:** Completion of Photography 5 and permission of instructor.
- **Note:** Completion of Photography 3-6 with a B or better can earn students the Technology Seal.

PRINTMAKING 1 (.50 credit) This course will not be offered during the 2026-27 school year.

Printmaking teaches how to make fine arts prints using studio processes such as monotype, relief, intaglio, lithography, and silkscreen. This course teaches the foundation of making prints, an art form that easily builds confidence in young artists. With an emphasis on studio production, this course is designed to develop higher-level thinking, art-related technology skill, art criticism, art history, and aesthetics. Students complete projects based on: t-shirt design, simple book design, and more.

PRINTMAKING 2 (.50 credit) This course will not be offered during the 2026-27 school year.

This class continues to focus on developing printmaking skills using a variety of materials and techniques. Students will be expected to create original works based on their own personal themes and content. There is an emphasis on participating in competitions and exhibits.

- **Prerequisite:** Completion of Printmaking 1 and permission of instructor.

PRINTMAKING 3 (.50 credit) This course will not be offered during the 2026-27 school year.

This class continues to focus on developing printmaking skills using a variety of materials and techniques. Students will be expected to create original works based on their own personal themes and content. There is an emphasis on participating in competitions and exhibits.

- **Prerequisite:** Completion of Printmaking 2 and permission of instructor.

PRINTMAKING 4 (.50 credit) This course will not be offered during the 2026-27 school year.

This class continues to focus on developing printmaking skills using a variety of materials and techniques. Students will be expected to create original works based on their own personal themes and content. There is an emphasis on participating in competitions and exhibits.

- **Prerequisite:** Completion of Printmaking 3 and permission of instructor.

PRINTMAKING 5 (.50 credit) This course will not be offered during the 2026-27 school year.

Printmaking 5 is a one-semester course that focuses on continued work and skill development combining wheel-thrown and hand-building techniques. Students are expected to work independently to complete a student-developed list of projects for the semester. Students are expected to exhibit a strong work ethic, improve skills over time, and create work for exhibition throughout the year.

- **Prerequisite:** Completion of Printmaking 4 and permission of instructor.

PRINTMAKING 6 (.50 credit) This course will not be offered during the 2026-27 school year.

This class continues to focus on developing printmaking skills using a variety of materials and techniques. Students will be expected to create original works based on their own personal themes and content. There is an emphasis on participating in competitions and exhibits.

- **Prerequisite:** Completion of Printmaking 5 and permission of instructor.

SCULPTURE 1 (.50 credit)

This semester course is an introductory course in both relief and sculpture-in-the-round. Students will explore a variety of media such as plaster, wire, metal, wood, wax, stone. Using these media, students will apply and demonstrate a knowledge and understanding of creating form in space. Class critiques will be a regular part of this class.

SCULPTURE 2 (.50 credit)

Students are expected to work independently to complete a list of sculptures for the semester. Students are expected to exhibit a strong work ethic, improve skills over time, and create work for exhibition throughout the year.

- **Prerequisite:** Completion of Sculpture 1 and permission of instructor.

SCULPTURE 3 (.50 credit)

Students are expected to work independently to complete a list of sculptures for the semester. Students are expected to exhibit a strong work ethic, improve skills over time, and create work for exhibition throughout the year.

- **Prerequisite:** Completion of Sculpture 2 and permission of instructor.

SCULPTURE 4 (.50 credit)

Students are expected to work independently to complete a list of sculptures for the semester. Students are expected to exhibit a strong work ethic, improve skills over time, and create work for exhibition throughout the year.

- **Prerequisite:** Completion of Sculpture 3 and permission of instructor.

SCULPTURE 5 (.50 credit)

Students are expected to work independently to complete a list of sculptures for the semester. Students are expected to exhibit a strong work ethic, improve skills over time, and create work for exhibition throughout the year.

- **Prerequisite:** Completion of Sculpture 4 and permission of instructor.

SCULPTURE 6 (.50 credit)

Students are expected to work independently to complete a list of sculptures for the semester. Students are expected to exhibit a strong work ethic, improve skills over time, and create work for exhibition throughout the year.

- **Prerequisite:** Completion of Sculpture 5 and permission of instructor.

VIDEO EDITING 1 (.50 credit)

Video Editing is designed around individual work while learning basic production and editing techniques. It is a hands-on course that involves active participation of students working under time constraints of production deadlines for videos. Students will learn: how to create a shot sequence, audio and video editing in Adobe Premiere, storyboarding, and operating a DSLR camera for filming. The class will provide practical knowledge for the student as well as problem solving skills, and showcase creativity. Students will be expected to be active participants and will be responsible for producing and keeping on record a portfolio of all their work. Students are required to have their own camera for making video clips for this class. Students should have a method of recording video for projects (for this class cell phones will work).

- **Note:** Suggested accessories for this class include an 8 GB flash drive and headphones.

VIDEO EDITING 2 (.50 credit)

Video Editing 2 students are expected to work independently to complete a list of video projects for the semester. Students are expected to exhibit a strong work ethic, improve skills over time, and create work for exhibition throughout the year.

- **Prerequisite:** Completion of Video Editing 1 and permission of instructor.

VIDEO EDITING 3 (.50 credit)

Video Editing 3 students are expected to work independently to complete a list of video projects for the semester. Students are expected to exhibit a strong work ethic, improve skills over time, and create work for exhibition throughout the year.

- **Prerequisite:** Completion of Video Editing 2 and permission of instructor.
- **Note:** Completion of Video Editing 3-4 with a B or better can earn students the Technology Seal.

VIDEO EDITING 4 (.50 credit)

Video Editing 4 students are expected to work independently to complete a list of video projects for the semester. Students are expected to exhibit a strong work ethic, improve skills over time, and create work for exhibition throughout the year.

- **Prerequisite:** Completion of Video Editing 2 and permission of instructor.
- **Note:** Completion of Video Editing 3-4 with a B or better can earn students the Technology Seal.

VIDEO EDITING 5 (.50 credit)

Video Editing 5 students are expected to work independently to complete a list of video projects for the semester. Students are expected to exhibit a strong work ethic, improve skills over time, and create work for exhibition throughout the year.

- **Prerequisite:** Completion of Video Editing 2 and permission of instructor.
- **Note:** Completion of Video Editing 3-4 with a B or better can earn students the Technology Seal.

VIDEO EDITING 6 (.50 credit)

Video Editing 6 students are expected to work independently to complete a list of video projects for the semester. Students are expected to exhibit a strong work ethic, improve skills over time, and create work for exhibition throughout the year.

- **Prerequisite:** Completion of Video Editing 2 and permission of instructor.
- **Note:** Completion of Video Editing 3-4 with a B or better can earn students the Technology Seal.

ADVANCED PLACEMENT ART HISTORY (1 credit)

The AP Art History course prepares students for the AP Art History Exam. The course covers art from the Paleolithic period through postmodernism and is designed to provide students with the same material covered in an introductory college course in art history. Students gain knowledge of architecture, sculpture, painting, and other art forms within diverse historical and cultural contexts. Students examine and critically analyze major forms of artistic expression from the past and present and from a variety of European and non-European cultures. In this course students engage in both visual and historical study about art and its contexts. Students develop an understanding of artworks in their context, considering issues of patronage, gender, politics, religion, and ethnicity. Attention is given to the interpretation of a work of art based upon its intended use, audience, and the role of both the artist and work of art in a particular society. Throughout the study of AP Art History, students examine how and why the work looks the way it does, what it means within its particular context, and how and why it has this meaning.

- **Prerequisite:** B or higher in most recent English class and recommendation of English and Art teacher.

ADVANCED PLACEMENT STUDIO ART (1 credit)

AP Studio Art is a yearlong course designed for students who are seriously interested in the experience of art and preparing a portfolio for entrance into an art school. AP Studio Art is not based on a written exam, instead, students submit portfolios containing twenty-four pieces for evaluation at the end of the school year. Portfolios that are submitted in AP Studio Art are reviewed by college, university, and secondary school art instructors using rigorous standards. The College Board program provides a national standard for the visual arts that allows students to earn college credit and/or advanced placement while still in high school.

- **Prerequisite:** Four semesters of Art, including Drawing and Painting; application including submission of 5-10 pieces of artwork for instructor to review and art teacher recommendation.

WORLD LANGUAGES COURSE OFFERINGS

The study of a foreign language counts as an elective credit for high school diplomas. For a diploma with honors, students must complete two years of two different languages or three years of the same language. Additionally, many colleges look for or require two to three years of a second language. At least three years of language study will prepare you for the college language placement test. Students must achieve mastery (level 1) to progress to the next level.

FRENCH COURSES

FRENCH 1 (1 credit)

French 1 introduces students to the French language and culture, with emphasis on proficiency. The four skills of listening, speaking, reading, and writing are developed through interaction with authentic resources. Acquisition of basic speech patterns and correct pronunciation are emphasized through use of a small, practical vocabulary. Both students and the teacher will speak in French. Cultural material emphasizes, but is not limited to, the Francophone countries France and Canada. Mastery will be assessed using performance assessments in speaking, reading, writing, and listening, plus vocabulary and grammar quizzes.

- **Prerequisite:** Parental approval and recommendation of English teacher (at Dempsey only).

FRENCH 2 (1 credit)

French 2 is a more intensified continuation of the first level with emphasis on proficiency in listening, reading, writing, and speaking. Both students and the teacher will speak in French. Authentic listening and reading selections are present. The course strengthens and expands the student's control of the basic language structures and increases their vocabulary. Mastery will be assessed using vocabulary and grammar quizzes, plus performance assessments in speaking, reading, writing, and listening.

- **Prerequisite:** Passing grade in the previous level.

FRENCH 3 (1 credit)

This course continues to increase students' ability to read, write, speak, and listen in French. French 3 focuses on student's control of more advanced language structures. Cultural material is presented within the context of the units focusing on authentic listening and reading selections. Both students and the teacher will speak in French. Writing compositions are more developed at this level. Progress will be assessed using vocabulary and grammar quizzes, plus performance assessments in speaking, reading, writing, and listening.

- **Prerequisite:** Passing grade in the previous level.

HONORS FRENCH 4/5 (1 credit)

This course further improves upon the student's ability to listen to read, write, and speak French. Course taught primarily in French. Advanced grammar and syntax are studied in the course. Cultural material is presented within the context of the chapters and coordinates with the reading selections, which include abridged short stories and non-fiction texts, as well as a French novel. There is also a film study during the second semester.

- **Prerequisite:** Passing grade in the previous level.

SPANISH COURSES

SPANISH 1 (1 credit)

Spanish 1 introduces students to the Spanish language and culture, with proficiency in the language being the main goal. Listening, speaking, reading, and writing skills are developed through interaction with authentic resources. Acquisition of basic speech patterns and correct pronunciation are emphasized through use of a small, practical vocabulary. Both students and the teacher will speak in Spanish. Authentic listening and reading selections are present. Cultural material emphasizes Hispanic countries throughout the world, including the U.S. Mastery will be assessed using performance assessments in speaking, reading, writing, and listening, plus vocabulary and grammar quizzes.

- **Prerequisite:** Parental approval and recommendation of English teacher (at Dempsey only).

SPANISH 2 (1 credit)

Spanish 2 is a more intensified continuation of the first level with emphasis on proficiency. The four skills of listening, reading, writing, and speaking continue to be developed. Students and the teacher will speak in Spanish. Authentic listening and reading selections are present. The course strengthens and expands the student's control of the basic language structures and increases their vocabulary. Mastery will be assessed using vocabulary and grammar quizzes, plus performance assessments in speaking, reading, writing, and listening.

- **Prerequisite:** Passing grade in the previous level.

SPANISH 3 (1 credit)

This course continues to increase students' ability to read, write, speak, and listen in Spanish. Spanish 3 focuses on student's control of more advanced language structures. Cultural material is presented within the context of the units. Students and the teacher will

speak in Spanish. Reading selections and writing compositions are more developed at this level. Mastery will be assessed using vocabulary and grammar quizzes, plus performance assessments in speaking, reading, writing, and listening.

- **Prerequisite:** Passing grade in the previous level.

HONORS SPANISH 4/5 H (1 credit)

This course continues to increase students' ability to read, write, speak, and listen in Spanish. Spanish 4/5 focuses on student's control of more advanced language structures. Cultural material is presented within the context of the units focusing on authentic listening and reading selections. Film, literature, poetry, and recordings will be incorporated into the curriculum. Full writing compositions are more expected at this level. Both students and the teacher will speak in Spanish. This course has an alternating curriculum, so it can be taken 2 years (once for Level 4 credit and once for Level 5 credit).

- **Prerequisite:** Passing grade in the previous level.

SPANISH FOR HERITAGE SPEAKERS/ESPAÑOL PARA HISPANOHABLANTES (1 credit)

This course is open to native and heritage students only and will be taught exclusively in Spanish. The goal of this course is to improve students' reading and writing skills, while continuing to support their listening and speaking skills. Students will explore themes and issues related to identities, education, immigration, etc. Students will read both a class novel and an independent novel, work on group and individual projects, write compositions, and do presentations. This course has an alternating curriculum, so it can be repeated.

- **Prerequisite:** Native or heritage speakers of Spanish with Intermediate low proficiency (as determined by placement test in first week). Open only to 10th, 11th, and 12th grade students.

Esta clase se ofrece solamente para los estudiantes hispanohablantes nativos o para los hispanohablantes de herencia y se ofrecerá exclusivamente en español. El objetivo de este curso es mejorar las habilidades de lectura y escritura de los estudiantes, mientras se continúan apoyando sus habilidades de comprensión auditiva y de expresión oral. Los estudiantes explorarán temas y asuntos relacionados con las identidades, la educación, la inmigración, etc. Los estudiantes leerán tanto una novela en la clase como una novela de manera independiente, trabajarán en proyectos grupales e individuales, escribirán composiciones y harán presentaciones. Este currículum se alterna para que los estudiantes puedan tomar el curso repetidas veces.

- **Prerequisite:** Hispanohablantes con "Intermediate low proficiency" (en un examen al principio del curso). No está disponible para los freshmen.

CULTURAL COURSES

SURVEY OF WORLD CULTURES (.50 credit)

This semester-long course is designed to provide an overview of the cultures of different regions around the world, such as the Americas, the Caribbean, Asia, Europe, etc. Topics to be addressed in the course include geography, history, food, clothing, celebrations/holidays, and current events. This course is taught in English. Quality of work completed will earn either a Passing or Failing grade.

HEALTH AND WELLNESS COURSE OFFERINGS

The required health and physical education program at Hayes High School and by state standards consists of a minimum of two semesters of Physical Education and one semester of Health.

The Delaware City Schools Board of Education has adopted a policy to excuse the high school physical education requirement for each student who, during high school, has participated in interscholastic athletics, marching band, or cheerleading for at least two full seasons, or has completed two full years of the AFJROTC program. The Delaware City School board shall not require the student to complete any physical education course as a condition to graduate. However, the student shall be required to complete one-half unit, consisting of at least sixty hours of instruction, in another course of study. Students may meet their health requirement by taking the health class described below. **Students must complete either 2 semesters of PE or receive 2 PE waivers. The requirement cannot be met by combining one PE waiver and one semester of PE.**

HEALTH (.50 credit)

The purpose of this class is to prepare students for life by educating students on the components of health: physical, social, mental, emotional, spiritual, and environmental. Through a holistic approach, the student will identify, practice and obtain facts and information that will create a positive influence on personal health as well as prevention and intervention. The curriculum is aligned

with the National Health Education Standards. Students will have the opportunity to be influenced in a positive way by speakers from the community and will be challenged to influence the community in a positive way. Students will complete at least one 30-minute lesson on the use of the AED (Automated External Defibrillator) and basic CPR (cardiopulmonary resuscitation). Students will not meet the required training to receive CPR certification.

ONLINE HEALTH (.50 credit):

This is an online version of the in person Health class. There is not a scheduled time throughout each school day for this class to meet face to face. All course work is completed and submitted through Canvas independently. Students may reach out to the instructor at any time for help along with the instructor having office hours on certain school days throughout each week to meet face to face. Grades are given through both digital assessments and assignments. The purpose of this class is to prepare students for life by educating students on the components of health: physical, social, mental, emotional, spiritual, and environmental. Through a holistic approach, the student will identify, practice and obtain facts and information that will create a positive influence on personal health as well as prevention and intervention. The curriculum is aligned with the National Health Education Standards. Students will complete lessons involving personal health, nutrition & fitness, CPR, healthy relationships, mental & emotional health, sexual health, diseases, alcohol, tobacco, & other drugs, and body systems.

P.E. SPORTS & TEAM ACTIVITIES (.25 credit)

This is a semester-long course offered to any student. This class will focus on a wide variety of sports and lifetime activities, including: 1) basketball; 2) soccer; 3) touch football; 4) badminton/pickleball; 5) team handball; 6) golf; 7) diamond games (wiffle ball, kickball, matball); 8) ultimate frisbee; and 9) floor hockey.

STRENGTH AND CONDITIONING (.25 credit)

This is a coed Wellness class designed to teach students how to create and implement a safe strength training program that will improve strength, power and speed. The class will cover scientific principles of conditioning, anatomy and metabolic energy. Students will learn about proper hydration, nutrition and how it affects their training and performance. Students will be able to take what they learn from this class and apply it in a real world application. The State of Ohio requires all Physical Education students to have comprehensive fitness knowledge. Part of this class will cover additional sport/recreational concepts throughout the semester.

- Note: Safety Contract Required- Students are to sign a safety contract, failure to adhere to the safety contract will result in removal from the course
- Prerequisite - Students enrolling in this course must have successfully completed another Wellness class offered here at Hayes or are given special permission from a Physical Education Teacher

PERSONAL FITNESS (.25 credit)

This is a semester-long course offered to any student. Be prepared to exercise in this class. It will be a combination of teacher led and student led group/individual activities. Topics to be discussed in class include goal setting, daily habits, current issues, benefits of movement, nutrition, types of physical training, smart research, technology, and stress reduction. Activities that students will engage in during class include walking, jogging, running, track and field; yoga; strength training; team/recreational sports; dance, lifetime sports; fitness assessment/personal portfolio.

YOGA, STRESS REDUCTION & LIFETIME RECREATION (.25)

This is a coed Wellness Class designed for students interested in improving personal levels of fitness through Yoga. Yoga will promote building sequences of beginning exercises practiced as part of a discipline to promote connection of the body and mind. Students will also learn coping skills for identifying and managing stress. The State of Ohio requires all Physical Education students to have comprehensive fitness knowledge. Part of this class will cover additional lifetime sport/recreational concepts (State of Ohio Physical Education standards) throughout the semester.

INDEPENDENT STUDY FOR PE (.25)

This course is designed for the student that is self motivated and/or involved in physical activities outside of school by providing a positive way to earn their PE credit(s). Two PE credits are needed for a total of .50 credit. This course is designed for the student to challenge themselves by creating fitness goals, and taking action steps throughout the semester on their own time to reach that goal with the guidance of the instructor as needed. Students will have the ability to interact with the instructor through email and/or

scheduled appointments during their office hours. There is not a scheduled class time during the school day as this class is completely finished independently. Students are required to log 60 physical activity hours along with various other mini assignments & assessments provided through the Canvas course to fulfill the state requirements & standards for physical education. Students will present their activity hours log and any other assignments/content work during a required face to face meeting with the instructor at the end of the semester to solidify their .25 credit.

BUSINESS COURSE OFFERINGS

INTRODUCTION TO BUSINESS (.50 credit)

Students will obtain fundamental knowledge and skills in general management, human resources management, operations management, business informatics and office management. They will acquire knowledge of business operations, business relationships, resource management, process management and financial principles. Students will use technological tools and applications to develop business insights.

BUSINESS MANAGEMENT (1 credit)

Students will learn to manage a workforce, lead change, and build relationships with employees and customers. Students will use technology to analyze the internal and external business environment, determine trends impacting business, and examine risks threatening organizational success. Ethical challenges, project management and strategic planning will also be addressed.

- **Note:** Students are enrolled in Business Professionals of America BPA (which includes an additional fee). An additional .50 credit is available through College Credit Plus and Columbus State Community College.
- **Note:** Course Fee: \$45.

INTRODUCTION TO MARKETING (.50 credit)

Students are introduced to the world of Marketing. Learn about the 4 P's of marketing: product, price, place, and promotion. Students learn marketing communications, marketing research, merchandising, distribution, and professional selling. They will acquire knowledge of marketing strategies, market identification techniques, employability skills, economic principles and international business.

DIGITAL MARKETING AND MANAGEMENT (1 credit)

Digital Marketing and Management explores how businesses identify and apply tools, strategies and processes to communicate digitally with targeted customers. Learners will develop knowledge and skills in the use of multiple digital marketing strategies, including social media, e-mail, websites, mobile marketing, etc. This course also incorporates learning outcomes in project, process and information management.

Entrepreneurship (1 credit)

Entrepreneurship explores how individuals use innovation to generate ideas for new products and services, evaluate the feasibility of business ideas and develop a strategy for commercialization. Learners will develop knowledge and skills to select target markets, profile target customers, define a business mission and develop a business plan. This course also includes learning outcomes in financial analysis and evaluation.

FINANCIAL ACCOUNTING (1 credit)

Students will track, record, summarize, and report a business's financial transactions. They will develop financial documents, project future income and expenses, and evaluate the accuracy of a business's financial information. Students will also apply tools, strategies, and systems to evaluate a company's financial performance and monitor the use of financial resources. Technology, employability skills, leadership and communications will be incorporated in classroom activities. Career exploration included. Students are enrolled in Business Professionals of America BPA.

- **Note:** Students are enrolled in Business Professionals of America BPA (which includes an additional fee). An additional .50 credit is available through College Credit Plus and Columbus State Community College.
- Course Fee: \$45.
- This course is weighted according to the Career-Technical Assurance Guide (CTAG) as an advanced course similar to Advanced Placement and College Credit Plus Courses.

MICROSOFT CERTIFICATION (1 credit)

This one-period course introduces senior students to the features and functionalities of Microsoft Office 365 while preparing them for the Microsoft Office Specialist (MOS) certification exams. Through video instruction, interactive skills demonstrations, practice assignments, and unit-level assessments, students become proficient in Microsoft Word, Excel, PowerPoint, and Outlook. By the end of each section of the course, students are prepared to take MOS certification exams in Word, Excel, PowerPoint, and Outlook/Access. Exam passing scores qualify for Microsoft Office Specialist (MOS) Certification and Industry Credentials.

- **Prerequisite:** 12th grade students only.
- **Note:** Students can earn 12 points worth of credentials to count towards the Industry Credential Seal, and they may earn college credit.

Business Capstone (1 credit)

Students will apply knowledge, attitudes and skills that were learned in a Business and Administrative Services program in a more comprehensive and authentic way in this capstone course. Capstones often include project/problem-based learning opportunities that occur both in and away from school. Under supervision of the school and through community partnerships, students may combine classroom learning with work experiences. This course can be delivered through a variety of delivery methods including cooperative education or apprenticeship.

Prerequisite: Must have completed 4 DACC Business Courses in a specific pathway

PERSONAL DEVELOPMENT COURSE OFFERINGS**CAREER EXPLORATIONS 1 & 2 (.50 CREDIT EACH)**

This new course offering allows students to explore various careers as well as gain valuable employability skills. Students will be able to explore exciting and fast-growing career fields such as Nursing, Flight & Drone Technology, Intro to Computer Science, Robotics, Welding Basics, Computer Graphics & Game Design, and Sports Medicine. Throughout the semester, students will be actively engaged in the activities or duties of each career area, as well as learning about, training and/or certification requirements for in-demand jobs. In addition, students will learn about employability skills including resume building, interviewing, completing job applications, and developing interpersonal skills.

WORK EXPERIENCE (1 credit)

Students who hold employment may choose to complete a work experience credit. Students who complete 160 hours of paid work from the same place of employment may earn one credit. Students may earn up to 2 credits. Students are required to submit pay stubs, submit a resume, complete the Ohio Means Jobs paperwork, as well as complete the Find Your Path assessment in School Links.

- **Note:** 11th & 12th grade students only. This course may not be used to satisfy the 5 solids required for athletic eligibility.

VOLUNTEER WORK EXPERIENCE (1 credit)

Students who volunteer at an established non-profit community service organization (i.e. Habitat for Humanity, Humane Society, Common Ground Free Store, etc.) may choose to complete a volunteer work experience credit. Students who complete 160 hours of volunteer hours at the same non-profit community service organization will earn one credit. Students will be required to obtain a letter (on letterhead) from the supervisor explaining the work the student will be performing. This course may be repeated once. Completing the Volunteer Work Experience can also earn a student the Community Service Seal.

- **Note:** This course may not be used to satisfy the 5 solids required for athletic eligibility.

INTRODUCTION TO THE COLLEGE ADMISSIONS PROCESS (.50 credit)

This 1st semester course is open to seniors who would like to better understand the college admission process and complete their college applications as part of the class. Students will cover topics, including college visits, career portfolios, researching majors, methods for applying to colleges, college essay writing, letters of recommendation, decision types for applying to colleges, SchoolLinks training, interviewing techniques, ACT/SAT testing, financial aid, scholarships, and transitioning to college. The course will be a blended course with both lecture and project-based learning components. Students will be required to have their own device for the course. Three days a week will be devoted to learning and two days a week will be given to students to work on college applications and course projects.

- **Note:** Taught by the College & Career Counselor; 12th grade students only; offered 1st semester only. Graded Pass/Fail.

FAMILY AND CONSUMER SCIENCES COURSE OFFERINGS

The Family and Consumer Science Department is a dynamic program that emphasizes self, work/career, family and community education and development. While you're busy preparing for your work life, don't neglect the personal side of your life. Because of the personal & universal nature of these courses they are equally relevant for both the college bound and non-college bound students of Delaware Hayes.

LIFE CHOICES (.50 credit)

Life Choices is a hands-on, project-based course for 9th and 10th grade students designed to build practical skills for school, work, and everyday life. Students learn how to set meaningful goals, explore career options, complete job applications, and practice interviewing. The course also covers essential financial skills such as understanding paychecks and creating personal budgets. In addition, students develop healthy approaches to friendships and romantic relationships and gain experience with basic sewing and basic cooking. Life Skills provides students with real-world knowledge they can use now and in the future.

- **Prerequisite:** 9th and 10th grade students only.

Independent Living & Financial Wellness (.50 credit)

Are you interested in experiencing what life is like after high school and begin creating your legacy? Students will apply goal setting, planning, and time management skills in reference to their family, school, and work. You will explore YouScience in order to find personality qualities and a career that might be a good fit, create a resume, utilize interviewing strategies, and participate in a career shadowing experience. You will develop attitudes and skills to achieve personal financial wellness. Students will learn the interrelationships between values, spending decisions, income, and education. Sound financial decision making activities would include: housing, banking, insurance, purchasing a car, wise credit card practices, wellness & selection of foods, and balancing a budget.

- **Prerequisite:** 11th – 12th grade students only.

FOOD AND NUTRITION (.50 credit)

This course is designed to challenge you with beginning to intermediate cooking skills, as well as learn to work in a collaborative kitchen group. Course topics include kitchen safety, kitchen equipment, measuring techniques, and preparation terminology, while preparing foods such as healthy snacks, pancakes, yeast breads, omelets, salads, cookies, and much more! Wellness and nutrition concepts are a part of everyday learning, and goal setting for healthy food choices throughout the lifecycle.

- **Prerequisite:** 10th – 12th grade students only.

ADVANCED FOODS (.50 credit)

Challenge yourself in the kitchen! This course is designed to follow the Food and Nutrition course and continue a path for you to become your own personal chef. Students will take a hands-on lab approach to learning a variety of food techniques while considering healthy practices. Favorite topics include: advanced cooking techniques, sports nutrition, USA regional foods, and international cuisine. An ethnic restaurant field trip is offered as well as opportunities to serve our community amazing recipes prepared in class.

- **Prerequisite:** Completion of Food and Nutrition.

CHILD DEVELOPMENT (.50 credit)

Child Development is a hands-on, project based course focused on the physical, emotional, intellectual, and social development of infants, toddlers, and preschoolers. Students explore developmental milestones, caregiving practices, and the factors that influence healthy growth. An Action Project is required and may include a "reality weekend" with RealCare Babies, after-school volunteering, or approved personal volunteer work. This course is ideal for students interested in careers involving children, education, healthcare, or human development.

TEXTILE DESIGN, CONSTRUCTION, & MAINTENANCE (.50 credit)

In this semester course, students will study the visual appearance of fabric and fashion design. Students will identify, analyze and apply production processes and techniques to textiles. Additional topics will include the maintenance and alterations of textiles products, including home interior accessories and garments.

AEROSPACE AND LEADERSHIP COURSE OFFERINGS

PROGRAM OVERVIEW: The AFJROTC program provides citizenship education and aerospace science curriculum for high school students. Enrollment in the AFJROTC program is open to all students in grades 9-12. The objectives of AFJROTC are to educate and train students in citizenship and life skills; promote community service; instill a sense of responsibility; and develop character and self-discipline through education and instruction in air and space fundamentals and the Air Force's core values: Integrity First, Service Before Self and Excellence In All We do. Each AFJROTC class consists of three components—Aerospace Science (AS), Leadership Education (LE), and Wellness. Courses are offered at Hayes High School and are available to high school students of the Olentangy, Delaware, Buckeye Valley, and Big Walnut districts. Chartered by Congress in 1966, this program is charged with integrating programs of aerospace education, citizenship, leadership, team-building skills, and voluntary community service with the curricula of their host high schools. and carries no obligation to enter military service. In addition, AFJROTC makes available extensive voluntary extracurricular activities such as field trips, interscholastic drill, air rifle marksmanship teams, rocket club, raider (Fitness Team), and community service projects. **The program is not an extension of the recruiting services of any branch of armed service and there is no military obligation associated with this course.**

AEROSPACE SCIENCE: This portion of the AFJROTC curriculum acquaints students with the elements of aerospace and the aerospace environment. It introduces them to the principles of aircraft flight and navigation, the history of aviation, the development of air power, contemporary aviation, human requirements of flight, cultural and global awareness, geography, the space environment, space programs, space technology, rocketry, propulsion, the aerospace industry, and survival.

LEADERSHIP EDUCATION: This portion of the AFJROTC curriculum develops leadership skills and acquaints students with the practical application of life skills. The leadership education curriculum emphasizes discipline, responsibility, leadership, followership, citizenship, customs and courtesies, cadet corps activities, study habits, time management, communication skills, career opportunities, life skills, financial literacy, management skills and drill and ceremonies, health and wellness.

MANAGEMENT OF THE CADET CORPS: Cadets should be in a leadership position of managing cadet corps programs by their fourth year in the AFJROTC program. Not every leadership position needs to be held by fourth-year cadets. Management of the Cadet Corps is intended for 4th-year cadets who hold corps management positions; instructors should ensure only those cadets holding corps management/leadership positions are enrolled in the course. This hands-on experience affords cadets the opportunity to put theories of previous leadership courses into practice. Planning, organizing, coordinating, directing, controlling, and decision-making will be done by cadets. They will put into practice their communication, decision-making, personal interaction, managerial, and organizational skills. Instructors should keep in mind that since there is no textbook for this course, the course syllabus will be structured so that cadets achieve course objectives by completing corps management activities.

AEROSPACE SCIENCE 1 AND LEADERSHIP EDUCATION 1 (1 credit)

Offered to students in grades (9-12) First Year Cadet. Note: First-year cadets do not have to wear a uniform or meet grooming standards. In so doing, it provides students the opportunity to explore the program without wearing a uniform or meeting grooming requirements.

- **Note:** First-year cadets have the ability to 'Opt. Out,' which means you do not have to wear a uniform or meet grooming standards. In so doing, it provides students the opportunity to explore the program without wearing a uniform or meeting grooming requirements.

AEROSPACE SCIENCE 2 AND LEADERSHIP EDUCATION 2 (1 credit)

Offered to cadets who successfully complete their first year in JROTC. Note: Second-year cadets are required to wear the uniform and meet grooming standards.

AEROSPACE SCIENCE 3 AND LEADERSHIP EDUCATION 3 (1 credit)

Offered to cadets who successfully completed their second year in JROTC. Note: Third-year cadets are required to wear the uniform and meet grooming standards.

AEROSPACE SCIENCE 4 AND LEADERSHIP EDUCATION 4 (1 credit)

Offered to cadets who successfully complete their third year in JROTC. Note: Fourth-year cadets are required to wear the uniform and meet grooming requirements.

MANAGEMENT OF THE CADET CORPS AND LEADERSHIP EDUCATION 4 (1 credit)

Offered to cadets who successfully complete their second or third year in JROTC and hold a staff leadership position within the corps and must have the Senior Aerospace Science Instructor's recommendation and approval prior to selecting this course option.

AFJROTC SUMMER LEADERSHIP SCHOOL (.50 credit)

This is an intense 6-day leadership experience at Wright Patterson Air Force Base and Wright State University involving students from high schools throughout the Midwest. Course is activity-based. All meals and living arrangements are provided. The program may include academics, land, water, and night survival, field training exercise, drill and ceremonies, recreation, and athletics. JROTC instructors organize and conduct the camp using Air Force and WSU facilities and funding opportunities.

- **Prerequisite:** Completion of at least one semester of Aerospace Science 1, 2, 3, or 4; excellent health; reasonable physical condition; health and accident insurance; and the approval of the Senior Aerospace Science Instructor.
- **Note:** Fee required – varies annually and is announced in April.