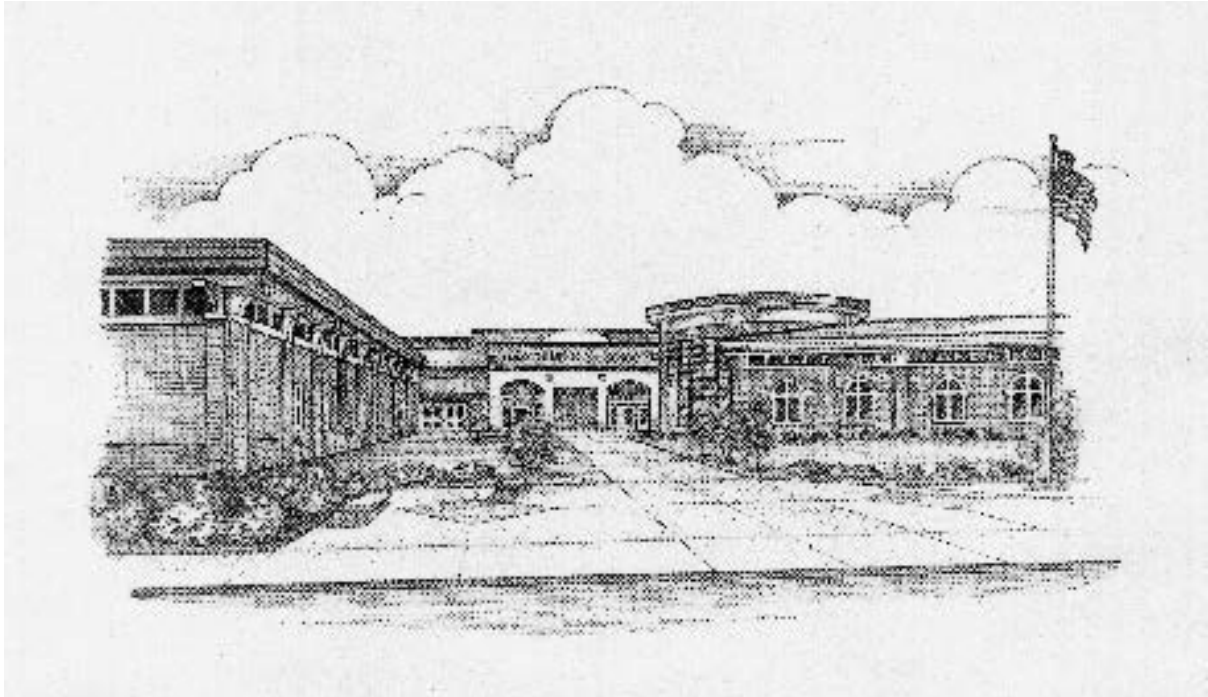


HARTLAND HIGH SCHOOL



AdvancED Accredited

2026-2027

Career Guide & Course Offerings

Dream Freely

Envision excellence

Cherish your creations

Exude enthusiasm

Be inspired

Inspire others

Take pride in you

Recognize inner beauty

Draw on inner strength

Look inside your soul

Create peace

Seek truth

Spread joy

Embark on adventure

Launch new ideas

Think big

Invoke positives

Live fully

Reach out

Aim high

Find happiness

Expect the best

Be the best

Table of Contents

Statement of Compliance with Federal Law	2
Hartland High School’s Mission & Beliefs.....	3
Scheduling Process	4
Grading System	5-6
NCAA Initial-Eligibility Clearinghouse.....	7
Graduation Requirements – Class of 2026 & 2027	8
Graduation Requirements – Class of 2028 & beyond.....	9
Universal FAFSA Graduation Requirement	10
Testing Out of a Class	11
High School Credits Earned While in Middle School	11
Personal Curriculum.....	11
Online Classes	11
Academic Letter	12
Academic Teams Letter.....	12
Academic Honor Cords	13
Articulation.....	14
Suggestions for Students Entering the World of Work.....	14
Suggestions for the College Bound Student.....	14
Advanced Placement Program	15
Dual Enrollment	16
University of Michigan Flint: DEEP Program.....	16
Livingston County Early College Program (LCEC).....	17
Michigan Career Pathways.....	18-30
Course Description Sample & Key	31
Livingston County Shared Time Programs: Out of District	32-39
Applied Technology Courses	40-42
Art Courses	42-44
Business Courses	45-47
Computer Science & Technology Courses	48-49
Human Services Courses.....	50-51
Language Arts Courses	52-55
Math Courses.....	56-59
Music Courses	60-61
Physical Education Courses	62-64
Science Courses.....	65-69
Social Studies Courses	70-73
World Language Courses	74-77
Non-Departmental Courses	78-80
Special Education Courses	81-87
Rigorous Curriculum Checklist.....	88

STATEMENT OF COMPLIANCE WITH FEDERAL LAW

NOTICE OF NONDISCRIMINATION

The Hartland Consolidated School District complies with all Federal Laws, Michigan Laws, and regulations of the U.S. Department of Education. The Board of Education does not discriminate on the basis of race, color, national origin, ancestry, religion, sex (including sexual orientation or transgender identity), genetic information, disability, age, height, weight, marital status, military status, English speaking status, or any other legally protected category, in all general education, special education, career & technical education programs and activities (co-curricular and extra-curricular, including employment opportunities).

If a person believes that s/he has been discriminated/retaliated against or denied equal opportunity or access to the District's programs, activities or services, including employment, the person may contact the District's Compliance Officers located at 9525 Highland Road, Howell, Michigan, 48843:

Mrs. Kate Gregory
Assistant Superintendent of Personnel
and Student Services
810.626.2111
kategregory@hartlandschools.us

Mrs. Anna Kulas Rosenthal
Director of Human Resources
810.626.2129
annakulasrosenthal@hartlandschools.us

Applicable Legislation:

- Title VI of the Civil Rights Act of 1964
- Title IX of the Education Amendments of 1972
- Section 504 of the Rehabilitation Act of 1973
- Title II of the Americans with Disabilities Act of 1990 (ADA) as amended
- State of Michigan Civil Rights Legislation
- Elliott-Larsen Civil Rights Act
- Persons with Disabilities Act 220 of 1976

Applicable Board Policies:

- 1422 & 1422.02
- 1623
- 2260 & 2260.01
- 1662
- 5517

HARTLAND HIGH SCHOOL'S MISSION

The mission of Hartland High School is to provide the opportunity and the encouragement for each student to become a caring, productive, and successful member of the global community.

OUR BELIEF STATEMENTS

We believe that...

- All students can learn.
- All individuals are equally worthy.
- A good self-concept is essential for success.
- A safe, clean, supportive, and orderly environment is essential for effective learning.
- High expectations that are clearly stated promote success.
- Teachers should provide a varied and challenging learning environment.
- Students should accept responsibility for their own learning.
- Success is best achieved when home, school, business, and community work together.
- It is important for students to develop attitudes and skills that promote lifelong learning.
- It is important that educators help students become caring, responsible members of the global community.

MESSAGE TO THE STUDENTS

This guide is prepared to provide you with information concerning your high school program of study. We encourage parents and students to work cooperatively in determining the best possible course selections. Students should consider their career paths and plan wisely. The master schedule is built based on student requests, thus, schedule changes will be limited. As you proceed in your planning, please seek guidance from teachers, counselors and administrators. It is our goal to assist every student to achieve the following:

GRADUATE OUTCOMES

Graduates of Hartland High School...

- will be able to communicate effectively in written and spoken language.
- will be able to work with others to reach agreement, resolve conflict, and/or accomplish goals.
- will be self-motivated lifelong learners.
- will exhibit behaviors that demonstrate self-esteem.
- will use higher order thinking skills and appropriate strategies to solve problems.
- will understand and value cultural diversity.

SCHEDULING PROCESS

Availability of Courses Described in the Program of Studies

Our curriculum contains a wide variety of courses. Staffing decisions are made in light of course enrollment and available resources. Low enrollment or staffing constraints may result in the cancellation of some courses and/or sections of courses. Because the master scheduling of the classes and the teachers is based on students' requests, it is very important that students carefully consider selections. Granting schedule changes becomes more difficult as student enrollment continues to climb.

Student Schedule Change Requests

Schedule change requests must be initiated through the counseling office. Student schedules are built based upon student requests. Schedule change requests will be made only if a student attends summer school, does not meet a prerequisite, or as a result of a course having been cancelled. Changes will be honored within the realistic boundaries of class size, time periods and the student's overall program. Students must be sure that all school requirements are met when considering their overall schedule. Additionally, when scheduling, students need to pay particular attention to prerequisites of courses.

Dropping or Adding Classes

Dropping or adding classes after the school year begins is very disruptive to the educational process. Therefore, it is important that the following reasons for change be adhered to:

1. Failing performance due to academic misplacement with teacher recommendation
2. Inappropriate class placement, such as:
 - Lacks course prerequisite
 - Clerical error
 - Incomplete schedule

Reasons for Schedule Changes May Also Include:

1. Counselor backlog of students to be scheduled.
2. Adjustment to the level of class placement upon recommendation of sending teacher and counselor.
3. Administrative recommendation based upon results of communication between the administrator, teacher, parents, and student. If this communication results in a schedule change and a new course is added after the ninth week of the course, the student will receive a Satisfactory/Unsatisfactory grade in the new class but will receive no credit. In addition, current grades will always transfer with a change. (NOTE: If students are successful in the class in question, it is not likely that permission will be granted to drop the course.)

A REQUEST TO CHANGE TEACHERS WILL BE CONSIDERED ONLY WHEN THE BASIS FOR CHANGE IS A PREVIOUS COURSE EXPERIENCE WITH THE TEACHER.

Students are required to take seven classes each semester.

NOTE: Students must be enrolled in a class prior to the ninth week to receive credit for the semester. (Exception: change of level, e.g., Honors Chemistry to Chemistry, or new transfer into the district (grades from previous district transfer in.)

GRADING SYSTEM

Hartland uses a 4.0, non-weighted grading system for non-Advanced Placement courses:

A	=	4.0	B	=	3.0	C	=	2.0	D	=	1.0
A-	=	3.7	B-	=	2.7	C-	=	1.7	D-	=	0.7
B+	=	3.3	C+	=	2.3	D+	=	1.3	E	=	0.0

Hartland uses a 5.0, weighted grading system for Advanced Placement courses:

A	=	5.0	B	=	4.0	C	=	3.0	D	=	2.0
A-	=	4.7	B-	=	3.7	C-	=	2.7	D-	=	1.7
B+	=	4.3	C+	=	3.3	D+	=	2.3	E	=	0.0

I = Incomplete, No Credit, *NPV

S = Pass, No Credit, *NPV

F = Fail, No Credit, *NPV

*NPV = No Point Value

NC = No Credit, *NPV (Attendance)

P = Pass, Credit, *NPV

CR = Credit, *NPV

W = Withdraw, No Credit, *NPV

*There are no numerical values for I, S, F, NC, P or W, therefore, the G.P.A. is not changed.

Students earn the above numerical values for each grade given. The total of the grade points is then divided by the total number of grades to give a grade point average (G.P.A.)

EXAMPLE:

<u>Hour</u>	<u>Class</u>	<u>Grade</u>	<u>Honor Points</u>
1	AP Psychology	A	5.0
2	English 11 A	B	3.0
3	American Government	B-	2.7
4	Art I	A	4.0
5	Honors Chemistry A	C+	2.3
6	Algebra II A	E	0.0
7	Marketing	B+	3.3

20.3 honors points divided by 7 classes = 2.9 or a B- GPA

If you wish to dispute a semester grade, you must submit that request in writing to the teacher and principal no later than two weeks after grades are posted.

IB (International Baccalaureate) Course Policy

Only IB Courses that are taken in the Junior/Senior year and the student has taken the IB exam at the end of the course shall be weighted in the GPA. Those classes will be weighted on a 5.0 scale, like AP, as they are equivalent to AP classes. Only grades for IB Diploma Program (DP) will be weighted upon transfer.

Underclass (freshmen/sophomore) "honors" courses taken at an IB (pre-IB) school will not be weighted as we do not weigh honors courses here on a 5.0 scale. They will show up as honors courses for the transcript, however.

Official Transcript

All Hartland High School transcripts will include the following information:

- Term/Cumulative/Overall GPA
- Class Rank
- Total Credits Attempted/Earned
- Final Semester Grades
- Work In Progress
- Attendance Summary
- Standardized Test Scores (ACT/SAT scores, including school day tests and any scores sent to the school by a testing agency).

Transcript Requests

Students are responsible for submitting their college transcripts to their prospective colleges. This includes sending transcripts when they apply, as well as any subsequent transcripts the college requires. Some students may need to send a mid-year transcript (after 1st semester grades have been posted - 7 semesters). All schools will require an end-of-year transcript (after all senior grades have been posted - 8 semesters) and it is the student's responsibility to make that request via Parchment. It is the expectation that students will check their college portal to ensure that their transcript has been received by the institution.

Class Ranking

Semester grades are used for class ranking. Numerical values are assigned to semester grades, divided by number of grades, and cumulative GPA is determined. This will be used for college applications during the fall of the senior year. Class rank for seniors will be determined at the end of the eighth semester.

Graduating with Honors

On Honors Night, at the graduation ceremony, and in any news releases students who have achieved an overall 3.5 GPA or higher will be formally recognized and honored for their academic achievement. Students will be recognized as Summa Cum Laude (3.8-4.0+) and Magna Cum Laude (3.5-3.799).

Early Completion of High School

Hartland High School is an eight-semester high school. However, we understand that circumstances come up which may require early completion. The Early Completion Form should be filled out prior to the last day of junior year and be approved by the principal.

Credit Progression

Students must have accumulated the minimum credits below:				
	<u>Class of 2027</u>	<u>Class of 2028</u>	<u>Class of 2029</u>	<u>Class of 2030</u>
9 th to 10 th Grade:	5 credits	5 credits	5 credits	5 credits
10 th to 11 th Grade:	12 credits	12 credits	12 credits	12 credits
11 th to 12 th Grade:	19 credits	19 credits	19 credits	19 credits
To graduate:	26 credits	26 credits	26 credits	26 credits

Students will be notified at the end of the school year if there is a credit deficiency. Students may make up that credit deficiency in summer school or through online classes as approved by their school counselor.

NCAA INITIAL – ELIGIBILITY CLEARINGHOUSE

There are specific high school course requirements for students who are considering participating in intercollegiate athletics at a college or university. Students for whom this may be an option should consult with their counselor each year and review the listing of NCAA approved courses for Hartland High School. It is very important that students and counselors work closely to complete all necessary steps to ensure eligibility. Students that plan to play NCAA sports should register with NCAA by the second semester of their junior year. Please refer to the NCAA Eligibility Center's website (www.eligibilitycenter.org) for specific information regarding approved Core-Courses, GPA, and ACT/SAT requirements. There are several resources available on their website, including the Guide for the College-Bound Student-Athlete, eligibility requirements, & registration information.

***Please note:** Meeting the NCAA academic rules does not guarantee your admission into a college.

How Your Core-Course Grade Point Average is Calculated

The NCAA Clearinghouse will calculate the grade-point average of your core courses on a 4.0 scale. If your high school uses plus and minus grades (such as B+ or B -), the plus or minus will not be used to calculate your core-course grade-point average. The Clearinghouse will assign the following values to each letter grade:

A - 4 points B - 3 points C - 2 points D - 1 point

Test-Score Requirements

You must achieve the required score on an ACT or SAT test before your full-time college enrollment. Your test score will continue to be calculated using the math, science, English and reading subsections of the ACT and the math and verbal/critical reading subsections of the SAT. The writing component of the ACT or SAT will not be used to determine your qualifier status.

GRADUATION REQUIREMENTS

Class of 2027

Graduation requirements for Hartland High School students shall be established by the Board of Education. Students are required to meet the Rigorous Curriculum Graduation Requirements that have been adopted by the State of Michigan.

To be eligible for graduation from Hartland High School, a regular day student must:

1. attend eight (8) semesters of high school or arrange for early completion with your counselor
2. be enrolled for a full complement of credits each semester
3. meet the minimum attendance requirements
4. successfully meet alternative requirements as established by the Hartland Board of Education
5. successfully complete the required number of credits while in grades 9-12 (see Credit Progression page 6)
6. participate in the MME/MI Access testing during eleventh grade. (In extreme cases students may petition for the re-testing period in their senior year to count for this requirement.)
7. completion of the Free Application of Federal Student Aid (FAFSA) (see Universal FAFSA Graduation Requirement page 10)
8. successfully complete the required credits, with a grade of D- or better, in the following areas:

ENGLISH – 8 semesters, to include:

- A. English 9 A & B or Honors English 9 (2 semesters)
- B. English 10 A & B or Honors English 10 (2 semesters)
- C. English 11 A & B or A.P. Language & Composition (2 semesters)
- D. English 12 A & B or A.P. Literature & Composition (2 semesters)

SOCIAL STUDIES – 6 semesters, to include:

- A. Global Studies A & B (2 semesters)
- B. American History A & B or AP United States History (2 semesters)
- C. American Government (1 semester) or AP United States Government & Politics (2 semesters) or DEEP Political Science POL 120 (1 semester)
- D. Economics (1 semester) (Marketing or Personal Finance taken prior to the 2024-2025 school year)

SCIENCE – 6 semesters, to include:

- A. Biology A & B (2 semesters)
- B. Earth Science A & B (2 semesters)
- C. Chemistry A & B/Honors Chemistry A & B or Physics A & B/Honors Physics (2 semesters of either)

MATH – 8 semesters, to include:

- A. Algebra I A & B (2 semesters)
- B. Geometry A & B or Honors Geometry (2 semesters)
- C. Algebra II A & B or Honors Algebra II/Trigonometry (2 semesters)
- D. Math Course in 12th grade (2 semesters)

WORLD LANGUAGE – 4 semesters, to include:

- A. Two full years of a world language – must be of the same language (4 semesters)

PHYSICAL EDUCATION/HEALTH – 2 semesters, to include:

- A. Health (1 semester) *recommended in ninth or tenth grade*
- B. PE: Intro to Fitness* (1 semester) *recommended in ninth or tenth grade*

VISUAL, PERFORMING, OR APPLIED ARTS (VPA) – 2 semesters:

- A. Two semesters of a course/courses that qualify as a VPA credit (art, music, career tech, etc.) (2 semesters)

* Active participation in three complete seasons of an approved Hartland High School sport (reported by the Athletic Department at the end of each school year) or active participation in three years of band (including Marching Band) may waive the Personal Fitness requirement and qualify as the Physical Education graduation requirement. Revised School Code 380.1502 (2)

NOTE: Students must be careful not to lose credit due to attendance issues as found in the parent-student handbook.

GRADUATION REQUIREMENTS

Class of 2028 & beyond

Graduation requirements for Hartland High School students shall be established by the Board of Education. Students are required to meet the Rigorous Curriculum Graduation Requirements that have been adopted by the State of Michigan.

To be eligible for graduation from Hartland High School, a regular day student must:

1. attend eight (8) semesters of high school or arrange for early completion with your counselor
2. be enrolled for a full complement of credits each semester
3. meet the minimum attendance requirements
4. successfully meet alternative requirements as established by the Hartland Board of Education
5. successfully complete the required number of credits while in grades 9-12 (see Credit Progression page 6)
6. participate in the MME/MI Access testing during eleventh grade. (In extreme cases students may petition for the re-testing period in their senior year to count for this requirement.)
7. completion of the Free Application of Federal Student Aid (FAFSA) (see Universal FAFSA Graduation Requirement page 10)
8. successfully complete the required credits, with a grade of D- or better, in the following areas:

ENGLISH – 8 semesters, to include:

- A. English 9 A & B or Honors English 9 (2 semesters)
- B. English 10 A & B or Honors English 10 (2 semesters)
- C. English 11 A & B or AP Language & Composition (2 semesters)
- D. English 12 A & B or AP Literature & Composition (2 semesters)

SOCIAL STUDIES – 6 semesters, to include:

- A. Global Studies A & B (2 semesters)
- B. American History A & B or AP United States History (2 semesters)
- C. American Government (1 semester) or AP United States Government & Politics (2 semesters) or DEEP Political Science POL 120 (1 semester)
- D. Economics (1 semester)

SCIENCE – 6 semesters, to include:

- A. Biology A & B (2 semesters)
- B. Earth Science A & B (2 semesters)
- C. Chemistry (1 semester) or Honors Chemistry A & B (2 semesters)
- D. Physics (1 semester) or Honors Physics A & B (2 semesters)

MATH – 8 semesters, to include:

- A. Algebra I A & B (2 semesters)
- B. Geometry A & B or Honors Geometry (2 semesters)
- C. Algebra II A & B or Honors Algebra II/Trigonometry (2 semesters)
- D. Math Course in 12th grade (2 semesters)

WORLD LANGUAGE – 4 semesters, to include:

- A. Two full years of a world language – must be of the same language (4 semesters)

OTHER – 5 semesters, to include:

- A. Health (1 semester) *recommended in ninth or tenth grade*
- B. PE: Intro to Fitness* (1 semester) *recommended in ninth or tenth grade*
- C. Personal Finance (1 semester)
- D. Visual Performing & Applied Arts course/courses that qualify as a VPA credit – art, music, career tech, etc. (2 semesters)

* Active participation in three complete seasons of an approved Hartland High School sport (reported by the Athletic Department at the end of each school year) or active participation in three years of band (including Marching Band) may waive the Personal Fitness requirement and qualify as the Physical Education graduation requirement. Revised School Code 380.1502 (2)

NOTE: Students must be careful not to lose credit due to attendance issues as found in the parent-student handbook.

UNIVERSAL FAFSA GRADUATION REQUIREMENT

(To Accompany Policy 5460)

Hartland Consolidated Schools recognizes how critical it is for students to complete the Free Application for Federal Student Aid (FAFSA). The FAFSA is needed to access federal scholarships and loans and is required for students to receive grants through the Michigan Achievement Scholarship, including a pathway to earn a skill certificate or associate degree at a free or reduced tuition rate at their local community college through the Community College Guarantee. FAFSA may also be used for some trade programs.

To best position our graduates for multiple, viable post high school pathways, eliminating potential barriers and ensuring that school and district staff prioritize the support for students and families, beginning with the class of 2026, students will be required to complete one of the following:

- 1) A Free Application for Federal Student Aid (FAFSA)
- 2) A district waiver form indicating that the student and family understand what these aid opportunities are and have chosen not to complete an application. If the student is not at least 18 years of age or legally emancipated, the student's parent/guardian must complete the waiver on the student's behalf.
- 3) School or district exemption that certifies to the district school board that good-faith efforts were made to assist the student or the student's parent/legal guardian in either completing the FAFSA or obtaining a district waiver.

A district shall exempt a student from the requirement to complete the FAFSA if the student is on track to graduate and the following are met:

- 1) The student's parent or legal guardian, or the student if the student is 18 years of age or older, is an emancipated minor, or is an unaccompanied youth, has submitted a parental waiver to the district exempting the student from completing the FAFSA for any of the following reasons:
 - a) The student is unable to complete the FAFSA because of privacy concerns.
 - b) After a good-faith effort, the student's parent or legal guardian refuses to sign the parental waiver, is unresponsive, or cannot sign the parental waiver.
 - c) The student is unable to complete the FAFSA as an independent student.

TESTING OUT OF A CLASS

Testing Out gives a student the opportunity to skip a course if they can demonstrate proficiency in the course material. Each class has a different set of requirements to demonstrate proficiency. In all cases, students must earn a 2.3 (C+) or better to pass the class. Students who successfully pass will receive graduation credit in that course, only if it is a Michigan Merit Curriculum course, and be able to move on to the next course in the sequence. For non-Michigan Merit elective classes, students will receive credit, but not graduation credit, and will be able to move on to the next course in the sequence. Please check with your counselor to verify if you will receive graduation credit for testing out.

Hartland High School will offer two test out dates per academic year, one at the end of 1st semester and one at the end of 2nd semester. Registration for testing out must be completed on the counseling website prior to the posted deadline.

Note: Test out should not be considered a self-study course. By signing up for test out, the student believes they possess the necessary knowledge to pass the course without instruction. Some classes will provide students with limited review materials, but not all.

HIGH SCHOOL CREDITS EARNED WHILE IN MIDDLE SCHOOL

High School credits earned by a middle school student will be recorded on the students' transcript, but will not be counted into the students' high school GPA. The cumulative high school GPA will begin when a student enters the ninth grade. Credits earned during middle school will count toward the rigorous curriculum requirements; however, students will still be required to earn 26 credits while in high school.

PERSONAL CURRICULUM

The Personal Curriculum option is available to students who are eligible for special education services and have a current Individual Educational Plan (IEP) or a general education student who has an Educational Development Plan (EDP) in place and meets the criteria set forth by the state. The law allows certain modifications to the Michigan Merit Curriculum (MMC) graduation requirements through the development of a Personal Curriculum. Personal curriculum guidelines apply to both MMC and Hartland High School graduation requirements. A Request for Personal Curriculum form may be obtained from the student's counselor at any time in which the parent feels that their child meets the guidelines for requesting one. See your counselor for more information or visit the following website: www.michigan.gov/mde/services/academic-standards/mmc/personal-curriculum

ONLINE CLASSES

Students interested in taking a class in an online format may be eligible to take up to two online classes per semester. Students may see their counselor for more information and an application.

Students wishing to take three or more classes online may meet with their counselor to determine the best educational programming options. Students may choose to apply for Hartland Virtual Academy among other options.

ACADEMIC LETTER

The intent of the academic letter program is to honor those students who have demonstrated academic achievements during their high school career.

Students receiving these awards display sustained dedication to academic studies. To earn an:

- “Academic Certificate” the student must maintain a GPA of 3.5 or higher for two consecutive semesters.
- “Academic Letter” the student must maintain a GPA of 3.5 or higher for three consecutive semesters.
- “Academic Pin” the student must maintain a GPA of 3.5 or higher for five consecutive semesters.

The type of classes taken will not be considered when determining eligibility for the awards. The letter and/or bars should be displayed in a respectful manner as determined by the administration. The style of the letter will be distinctive, differing from letters awarded for other high school activities.

ACADEMIC TEAMS LETTER

Hartland High School shall award an Academic Team letter. The following are the guidelines for letter award:

- A. The letter can be granted only through participation on an academic team.
- B. The team for which the letter is being given must compete in interscholastic competitions.
- C. The letter may only be awarded to a second year participant on the academic team with rare exception made by the academic letter committee.
- D. For academic teams such as Science Olympiad, Social Studies Olympiad, and DECA which do not have a whole series of events, the following rules apply for the academic teams letter: A first year student may earn a letter if they are a national delegate or a starter on a team that competes at the State or National level.
- E. Academic teams which have a long season such as Quiz Bowl, Debate, Drama, and Forensics may award the letter based on A, B, C, above and on a set number of points achieved.
- F. Each team wishing to award a letter must establish a written set of guidelines and requirements which include all of the above, as well as any additional requirements deemed necessary by the coach.
- G. The written guidelines and requirements must be submitted to the principal and the director of academic competitions for approval.

ACADEMIC HONOR CORDS

Department/ Organization	Requirements
Art	5 semester classes of Art with at least a 3.8 art GPA
Automotive	Complete Auto 1, 2, & 3 with a 3.5 GPA or higher in each course. Must also pass the ASE light mechanic & repair certification
Band	A member must complete 4 years (8 semesters) of service in the bands.
CAD	1. Must successfully complete all CAD courses offered in the CAD Engineering & Design program, 2. Must have maintained a 3.3 overall GPA in all of the CAD courses, 3. Must have participated in the Michigan Industrial Technology Education Society student competition, 4. Must have participated in one of the CAD sponsored philanthropic activities (Blood Drive, Gleaners, etc.) 5. Completed application to CAD teacher.
Cadet Teaching	Students must be enrolled in Cadet Teaching for two years and must earn a 3.0 or higher for all four semesters. Students must be an active leader in the Future Educators Club for at least two years.
Choir	A student must participate in 4 years (8 semesters) of choir
Class Council	A student must have been an active participant in Class Council for at least three years to be eligible.
Construction	Completion of the Woodworking or Carpentry Tools & Techniques (previously Advanced Woodworking) course, as well as Construction and Advanced Construction with a 3.5 GPA or higher in each course. Must also pass the level 3 certification.
DECA	Three (3) years of marketing education and/or DECA involvement, completed Advanced Marketing or Retailing or competed at two (2) ICDC's, maintained a 3.25 overall GPA in the marketing courses, attended four (4) competitive conferences. (District, State, or ICDC), attended the Michigan DECA State Career Development Conference at least 1 year, Attended ICDC and finished in Top 20/Top10/Top 3 (Can also be used to cover two other requirements, complete application (available from DECA sponsors).
Early College	A student must successfully complete their first year of college courses through Livingston County Early College.
Family Consumer Science	Complete 4 out of 5 FCS classes, 3.0 GPA or higher in each class.
French	A student must complete French IV with a 3.3 or higher in all semesters from French 1 on.
International Thespian Society	A student must accrue a minimum of 40 International Thespian Society (ITS) points by April 1 of his/her senior year to qualify.
Jazz Band	A member must complete 4 years (8 semesters) of service in any combination of the jazz ensembles.
LINK	A senior Link Leader must have attended all mandatory Link events over the span of the school year and attended a minimum of two "extra" service or social events each semester
National Honor Society	Students must be selected for membership in the National Honor Society and be a member in good standing at the time of graduation. Students must have a minimum cumulative GPA of 3.5 or above and demonstrate proven excellence in the areas of Leadership, Community Service and Character. NHS selection is done each spring and students must comply with all requirements as stated on the NHS website in order to maintain member in good standing status. See the NHS tab under Organizations on the Hartland High School website.
Optimist	A member must be an active participant of Optimist club for 4 years. A member must also attend at least 3 Optimist Club planned events each year and have a total of 20 hours of community service hours each school year, totaling 12 Optimist Club events and 80 hours of community service before the end of Senior year.
Peer to Peer	In Peer to Peer for at least 2 semesters, participated in at least one season of Unified sports, a member of Project Unified Club, and at least one outing with a student outside of the school day
Yearbook-Editor	3 years as member of the publication team or editor
Science	A student must complete ten semesters (5 credits) of Hartland High School core/required and elective science courses. The ten semesters (5 credits) must include two semesters of each of the following (<u>*prior to the Class of 2028</u>): Honors Chemistry or AP Chemistry and two semesters of Honors Physics, AP Physics 1, or AP Physics C. All semester grades for these courses must be a B (3.0) or higher and must be obtained by taking courses in the high school science department from Hartland science teachers. Middle school science courses, DEEP, test-out, and online courses do not count towards the ten semesters. Transfer students will be screened individually. <u>*Class of 2028 & beyond</u> the ten semesters (5 credits) must include two semesters of each of the following: Biology, Earth Science, Honors Chemistry or AP Chemistry, and Honors Physics, AP Physics I, or AP Physics C.

Department/ Organization	Requirements
Spanish	Students must complete the minimum of Spanish 4 to be eligible. Students must have received a 3.7 or higher for all semesters of Spanish study. ** ONLY Students that take AP Spanish are eligible for an honor cord with a grade of 3.0 or higher per semester of AP Spanish.
Student Ambassadors	A senior must be a Student Ambassador for a minimum of 2 years and attend all Student Ambassador & New Student Seminars, as well as the New Student Breakfast.
Student Council	A student must have been an active participant in Student Council for at least three years to be eligible.
UM-Flint DEEP	Complete 12 credits in UM-Flint DEEP program with minimum 3.0 GPA

ARTICULATION

Students who participate in high school career and technical education program courses (CTE) offered at Hartland High School or at other county schools through the Livingston Career and Technical Education Program, may receive college credit through articulation agreements with various Higher Education Institutions. Students enrolled in a CTE program at any of the local high schools may be eligible for articulated credit.

SUGGESTIONS FOR STUDENTS PLANNING TO ENTER THE WORLD OF WORK

Students who are planning on seeking a job or on-the-job training immediately after high school should consider the following suggestions when planning a high school program.

- Plan to take classes that will provide you with skills you will need in your chosen field of work.
- Plan to take other classes that will give you a broad background of skills regardless of your career choice.
- Take as many exploratory type courses as possible.
- Take at least one semester of computer technology.
- Investigate the career and technical education programs offered by other districts.
- Become familiar with the career center and the services provided in resume writing, letters of application, interviewing techniques, job searches, and placement. The career center also processes applications for working permits.
- Use the Xello program to help discover career possibilities.

SUGGESTIONS FOR THE COLLEGE BOUND STUDENT

College bound students should consult websites and online catalogs of the colleges to which they intend to apply. This is especially recommended with regard to out-of-state colleges as their admission requirements often differ remarkably from those of Michigan colleges. Some colleges are quite specific as to the subjects and college admissions tests they require a student to take in high school, while others are more flexible.

The President's Council of State Colleges and Universities in Michigan strongly recommends the following high school background:

English:	4 years with emphasis on writing skills
Mathematics:	4 years to include Algebra I, Geometry, and Algebra II
Science:	3 or more years including Biology, and additional lab courses
Social Studies:	3 or more years including World History, American History, Government, and Economics
World Language:	2 years or more if possible
Health/PE:	1 year
Electives:	2 years of electives in the arts and 1 year of hands on computer experience are strongly recommended. Particular attention should be paid to electives which may relate to college majors or that will enhance leisure time activities and/or job skills

ADVANCED PLACEMENT PROGRAM (with weighted grades)

AP is a program of college level courses and exams that gives secondary school students an opportunity to gain advanced placement and/or credit in college while still in high school. Hartland High School offers Advanced Placement courses in the following major curricular disciplines, which include the following:

Language Arts:	AP English Language & Composition, AP Literature & Composition
Mathematics:	AP Precalculus, AP Calculus AB, AP Calculus BC, AP Statistics
Science:	AP Biology, AP Chemistry, AP Physics I, AP Physics C–Mechanics
Social Studies:	AP European History, AP United States History, AP United States Government & Politics, AP Comparative Government & Politics, AP Psychology
World Languages:	AP Spanish
Computer Science:	AP Computer Science Principles, AP Computer Science A

Each of these courses takes more time, requires more work, and explores subjects in greater depth just as any college course does. Therefore, the prerequisite listed for each in this guide generally asks for a “B” or better grade point average, the successful completion of other honors type courses, the recommendation of department members, and/or the approval of an admittance application. These requirements are all outlined under the individual course titles. Students, may and often do, prepare themselves with the help of a teacher for AP examinations other than in the six formal subjects listed above.

ADVANCED PLACEMENT STUDENT/PARENT AGREEMENT

- I understand by signing up for an AP class/classes I am making the commitment to complete this/these classes.
- I understand that I have only until the last day of school to request to drop an AP class for the upcoming school year.
- I understand that I will NOT be allowed to drop an AP class due to not completing the summer reading/assignments, though my grade may be affected.
- I understand that if I have an extenuating circumstance that would require me to drop an AP class, I can request to drop, however, I may be required to stay in the class until the end of the 1st semester.*

*NOTE: I understand a change will ONLY be made if the request to drop due to an extenuating circumstance is approved and if there is space available in the class I am requesting to change into.

DUAL ENROLLMENT

Hartland High School Juniors and Seniors can take college level courses that may count for both high school and college credit(s). State Law (Public Act 160) created the Post-Secondary Enrollment Options Act B (PSEO) which mandates that tuition, mandatory materials, and registration fees be paid if the criteria below are met. Note: Hartland Consolidated Schools may not cover the entire cost of tuition, and in some cases will cover none of the cost. For more information, please see the student's counselor.

- Eligible courses need to meet the following criteria: a) the course is not offered at HHS, b) the course is offered at HHS but is not available to the student because of a scheduling conflict beyond the student's control, c) the student has exhausted the related curriculum at HHS, d) the course is not hobby, craft or recreation-based, and is not in the areas of physical education, theology, divinity, or religious education.
- The student must be a Junior or Senior enrolled at Hartland High School during the time of Dual Enrollment.
- The student must be enrolled in the post-secondary institution during the academic school year.
- The student must be enrolled in at least one course at HHS and be carrying a combination of at least seven classes between the two institutions.
- Seniors must have scored at levels 1 or 2 (Exceeded the Standard or Met the Standard) on the Michigan Merit Exam (MME) in order to dual enroll.
- Students who withdraw from a college course(s) may not add a replacement course at HHS.
- The student must not have met all high school graduation requirements.
- Credit toward high school graduation will be 0.5 credit per each semester college course taken. The grade will be entered as a P/F (pass/fail) grade and will not be figured into the cumulative grade point average.
- Students are responsible for bringing in the transcript from the college/university at the conclusion of the course.

Students must complete an application form (available in the Counseling Office); obtain permission, signatures from parents, counselor and principal prior to enrolling in the college as a dual enrolling student.

UNIVERSITY OF MICHIGAN FLINT: DEEP PROGRAM (Dual Enrollment Educational Partnership Program)

All Livingston County school districts are partnering with the University of Michigan-Flint to offer the Dual Enrollment Educational Partnership. The DEEP initiative allows motivated students to earn college credit by taking accredited courses taught by UM-Flint faculty on-site at a facility in the Hartland Consolidated Schools district. DEEP will do exactly what its name implies: deepen the students' knowledge and understanding of course material, while providing in-depth college courses that will prepare students for their university experience.

DEEP Programs offered:

- Business/Economics Program (12 credits)
- General Studies Program (12 credits) – *Fulfills the American Government graduation requirement
- Medical Science Program (13 credits)
- Pre-Engineering Program (13 credits)

High-ability, highly motivated senior students will be eligible to apply for the DEEP program. Please see your school counselor for more information and an application. Please note there is a cost associated with the DEEP program. However, the cost is only a fraction of the actual tuition and fees. The UM-Flint and the local school district will provide partial funding as part of the dual enrollment policy.

LIVINGSTON COUNTY EARLY COLLEGE PROGRAM (LCEC)

Livingston County high school students have an opportunity to earn their high school diploma while simultaneously completing a college certificate or industry credentials and certifications. In order to complete the coursework required for this program, students will agree to a fifth year of high school and commit to spending three years in the LCEC program, grades 11, 12, and 13.

The LCEC is structured so that students gradually increase their exposure to college courses throughout their high school experience. Students apply for admission to the LCEC in grade 10 and, if accepted, begin taking college classes in grade 11. Students will take a combination of high school and college courses during grades 11 and 12*. By the time they reach the fifth year of high school, they will be a full-time college student and, in most situations, all of their coursework will be completed on-site at the college campus or tech facility. The fifth year includes one high school graduation requirement (math) that is transferred back to the high school. All of the grades from the LCEC program will be transferred back to the high school transcript as a pass/fail grade.

Students who are admitted to the Livingston County Early College must meet the following expectations:

- Attend school regularly and notify the high school in the event of an absence
- Arrive at school as scheduled and to all classes on time
- Devote additional time to studying daily
- Keep parents/legal guardians aware of academic progress
- Complete all Michigan Merit graduation requirements
- Behave in a professional manner that shows respect for oneself, classmates, high school and college faculty, and the college facilities and equipment
- Follow the handbook rules and regulations of your local high school and college attended
- Attend required College Success Strategy Sessions
- Meet with the designated Advisor/Mentor regularly to discuss academic progress

Students enrolled and accepted in the LCEC program will be permitted to participate in the typical senior activities and ceremonies during their 12th grade year (prom, senior walk, senior honors night, commencement ceremony, all night party, etc). Students will be honorary members at the commencement ceremony and will not receive their diploma until the successful completion of their courses at the end of their 13th year.

For more information on the LCEC program, please see your counselor.

*During the 12th grade year, the number of courses students are required to take at the high school vary depending on the program of study. Overall, the student will be responsible for no more than 6 courses (college or high school) per semester.

Michigan Career Pathways

SELECTING A PATHWAY

The State of Michigan has established career and employability standards much like the standards established for the other curricular areas. The system of Career Pathways provides a vehicle to address these standards on a consistent basis for all students. It is the intent that teaching about skills and careers will be a K-12 process. By the time the students reach high school, they will be well aware of their skills, talents, interests, abilities, and have a focus on a pathway.

Students explore career activities in the Middle School and will be introduced to the Pathway system. The first semester of the ninth grade students will learn about their learning styles, personality traits, interests and aptitudes through different assessment tools. With this knowledge, they will create an Educational Development Plan (EDP). This will be their guide for the next four years. Each year there will be revisions as the need and interests change.

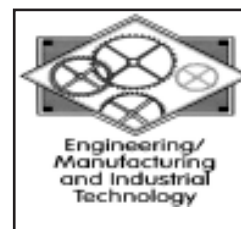
Dear Students & Parents,

High School provides many opportunities for students to explore academic as well as technical career pathways. Career planning is one part of Hartland High School's curriculum offering and is an integral part of the Hartland Consolidated curriculum as a whole. The graduates of the 21st century will be confronted with many demands that will require them to be highly skilled and possess the necessary technological and hands-on experience that can be achieved and enhanced by following the Career Pathways program. To assist in your planning process for life beyond high school, you should do the following: identify your interest and abilities, work with your teachers & counselors for course selection and recommendations, use the Hartland Consolidated Schools' Career Guide & course Offering book to learn more about high school courses, and look for career and college resources in the career center and counseling office.

This brochure will be most helpful for you to individualize your plan to meet your specific interests and needs. Notice that many of the six career paths' course selections look very similar in 9th and 10th grade. Changes from one career pathway to another may be necessary as your experiences and interests develop. We highly encourage you to select courses that will academically challenge you. Moreover, we suggest that you take advantage of the many opportunities in the brochure.

Yours in education,

Hartland Consolidated Schools, Superintendent



Arts and Communication



Persons choosing this pathway are imaginative, creative, innovative, flexible, outgoing, competitive, enthusiastic, self confident, have good writing and speaking skills, can express thoughts clearly and simply, can work independently, have artistic or musical ability, have decision-making and problem solving skills, and like to express thoughts, feelings, or ideas.

Possible Arts and Communication four-year plan

Freshman	Sophomore	Junior	Senior
English 9	English 10	English 11	English 12
Algebra I	Geometry	Algebra II	Senior Math
Biology	Earth Science	Chemistry/Physics	Academic Elective
Global Studies	American History	Economics/Government	Academic Elective
World Language	World Language	Elective/VPA	Elective/VPA
Health/Phys. Education	Elective/VPA	Elective	Elective
Elective/VPA	Elective	Elective	Elective

Career Core Electives

Debate Public Speaking Creative Writing Intro to Journalism Advanced Journalism Writing for Publication: Yearbook Theatre Performance Film & Media Production Media Broadcasting French, Spanish All Math Courses All Science Courses All Computer Courses Cadet Teaching I & II	Psychology / AP Psychology Sociology Marketing / Adv. Marketing Social Media Marketing Business Management Entrepreneurship Art Studio I, II, III, & IV Ceramics I, II, III, & IV Jewelry and Metals, I & II Photography I & II Band and/or Choir Housing & Interior Design Career & College Planning Leadership	Fashion, Fabrics, & Construction Adv. Fashion & Clothing Fashion Merchandising & Retail Cosmetology Culinary Arts Graphic Communications CAD Design Elements CAD Animation CAD Architecture CAD Engineering Construction Technology Advanced Construction Woodworking Advanced Woodworking
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Suggested School and Community Activities

Acting Lessons Art Shows Band Be the Change Club DECA (Marketing Club) Career Fairs Choirs Concerts Class Officer Community Bands Craft Classes	Color Guard Quiz Bowl Solo/Ensemble Gymnastics Essay/Poetry Contests Film & Photography Club Industrial Technology Journalism Drama Club Instrument/Equipment Manager Leadership Conferences	Optimist Club Plays/Musicals School Talent Show Speech/Debate Contests Stage Production Yearbook Staff Volunteer Part-time employment in related field Mentoring
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Arts and Communication



Occupational Areas

Talent, creativity, excellent communication skills and perseverance are personal traits that are absolutely essential for this career pathway. Occupational options in this pathway are related to communication and the performing, visual, literary, and media arts. These careers are interesting to people who value creativity, music and/or self-expression.

Possible Careers

Art Therapist	Set Designer	Circulation Manager
Artist	Magazine Editor	Layout Designer (CAD)
Apprentice	Publisher	Proofreader
Image Converter	Store Manager/Owner	Editor
Lab Tech	Dancer	Make-up Artist
Press Operator	Show Producer	Sculptor
Sign Maker	Costume Designer	Photojournalist
3D Designer	Technical Writer	Publisher
Photostylist	Technical Illustrator	Reporter
Graphic Designer	Teacher	Greeting Card Designer
Typesetter	Recording Tech	Audio Tech
Binder/Finisher	Instrument/Piano Repair	Camera Operator
Layout Artist	Recording Engineer	Disc Jockey
Dark Room Assistant	Conductor	Novelist
Photographer	Recording Artist	Medical Illustrator
Landscape Artist	Director	Web Site Designer
Advertising Artist	Tour Group Manager	Computer Game Designer
Cartoon Animator	Musician	Picture Framer
Architect	Account Representative	Weaver
Commercial Artist	Copy Person	Seamstress
Interior Designer	Newsroom Clerk	Jewelry Designer

Career Prep Activities

Educational Development Plan	Site Visit/Work Experience
Portfolio 9-12	Mentoring
Job Shadowing	Senior Portfolio Presentation

Business, Management, Marketing & Technology

Persons choosing this pathway possess leadership skills, enjoy planning & directing, find it easy to meet & talk with new acquaintances, think logically & make decisions, have effective human relations skills, have good communication skills, can analyze, compare & interpret facts & figures quickly, and make good sound judgements.



Possible Business, Management, Marketing & Technology four-year plan

Freshman	Sophomore	Junior	Senior
English 9	English 10	English 11	English 12
Algebra I	Geometry	Algebra II	Senior Math
Biology	Earth Science	Chemistry/Physics	Academic Elective
Global Studies	American History	Economics/Government	Academic Elective
World Language	World Language	Elective/VPA	Elective/VPA
Health/Phys. Education	Elective/VPA	Elective	Elective
Elective/VPA	Elective	Elective	Elective

Career Core Electives

Accounting Business Management Entrepreneurship Building Wealth Insurance Career Exploration Personal Finance Marketing / Adv. Marketing Social Media Marketing Retailing Real Estate Licensing Prep All Computer Courses Digital Media Literacy	Creative Writing Debate Public Speaking Intro to Journalism Advanced Journalism Writing for Pub: Yearbook Psychology / AP Psychology Sociology Economics Career & College Planning Leadership	French, Spanish All Math Courses All Science Courses Housing & Interior Design Fashion Merchandising & Retail Film & Media Production Media Broadcasting Culinary Arts Cyber Security & Comp Networking Robotics & Automation I & II Manufacturing
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Suggested School and Community Activities

Athletic Teams Attend Professional Meetings Business Professionals of America (BPA) DECA (Marketing Club) Election Assistant Computer Science Club	Career Fair Junior Achievement Quiz Bowl Volunteer Participate in speech and drama Participate in leadership conferences/competitions	School Yearbook Officer of an organization Student Council Part-time Employment related to field Future Business Leaders of America (FBLA)
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Business, Management, Marketing & Technology

Occupational Areas

Employment in this career pathway has many options and includes many occupations with varied educational requirements. Employment can be found in all occupational areas. As the economy becomes more and more service oriented, even more employees will be needed to perform the marketing functions associated with the buying, selling, promoting and distributing of goods and services.



Possible Careers

Accountant	Dispatcher	Mathematician
Auditor	Economist	Merchandise Displayer
Actuary	Entrepreneur	Payroll Manager
Advertising Agent	Estate Planner	Purchasing Agent
Assessor	Event Planner	Receptionist
Controller	Financial Analyst	Restaurant/Hotel Management
Treasurer	Human Resource Manager	Real Estate Agent
Bank Teller	Information Technical Support	Retail Sales Associate
Bill Collector	Insurance Agent	Administrative Assistant
Billing Clerk	Insurance Underwriter	Statistician
Bookkeeper	International Business	Stock Clerk
Brokerage Clerk	Legal Assistant	Stockbroker
Business Teacher	Labor Relations	Tax Examiner
Cashier	Arbitrator	Tax Preparer
Computer Network Administrator	Loan & Credit Manager	Technical Writer
Computer Programmer	Logistics	Telemarketing
Computer Service Technician	Media Analyst	Telephone System Tech
Computer Systems Analyst	Manufacturing Representative	Travel Agent
Court Recorder	Market Research	Urban Planner
Data Entry Clerk	Paralegal	Vendor

Career Prep Activities

Educational Development Plan	Site Visit/Work Experience
Portfolio 9-12	Mentoring
Job Shadowing	Senior Portfolio Presentation

Engineering, Manufacturing, & Industrial Technology

Persons choosing this pathway are visually oriented & can understand spatial relationships, have good observation skills, possess good communication skills, can work either independently or with a team, can design & create original ideas, are analytical & detail oriented, and can diagnose & solve complex mechanical problems, possess a mechanical aptitude & ability to work with tools.



Possible Engineering, Manufacturing, and Industrial Technology four-year plan

Freshman	Sophomore	Junior	Senior
English 9	English 10	English 11	English 12
Algebra I	Geometry	Algebra II	Senior Math
Biology	Earth Science	Chemistry/Physics	Academic Elective
Global Studies	American History	Economics/Government	Academic Elective
World Language	World Language	Elective/VPA	Elective/VPA
Health/Phys. Education	Elective/VPA	Elective	Elective
Elective/VPA	Elective	Elective	Elective

Career Core Electives

CAD Design Elements CAD Animation CAD Architecture CAD Engineering Construction Technology Advanced Construction Woodworking Advanced Woodworking Alternative Energy Technology Energy Technology Auto Technology I, II, & III	Business Management Entrepreneurship Housing & Interior Design French, Spanish Public Speaking Creative Writing Art Studio I, II, III, & IV Ceramics I, II, III, & IV Jewelry & Metals I & II Career & College Planning Leadership	All Math Courses All Science Courses: including Materials Science & Engineering All Computer Courses Auto Collision & Restoration Construction Trades Cyber Security & Comp Networking Robotics & Automation I & II Manufacturing Private Pilot Ground School
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Suggested School and Community Activities

Art Club Apprenticeships Auto Club Career Fairs Computer Science Club Ecology Project Habitat for Humanity Industrial Technology Club	Local, Regional, State & National Technology Competitions Maintenance On-the-Job Training Part-time employment related to field Quiz Bowl Scouting/Explorer Activities	Volunteer Firefighter Follow career related activities in newspapers, Internet, or local government activities. Junior Engineering Technology Society (JETS) Visits to Trade Shows
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Engineering, Manufacturing, & Industrial Technology



Occupational Areas

This very diverse career pathway includes technical and engineering careers that are vital to the efficient functioning of a society in the design, creation, manufacturing, operation, maintenance and repair of its equipment and machinery. Working with tools, equipment, computers and other kinds of machinery is important to people who have an interest in this pathway.

Possible Careers

Apprentice Automotive Technician Aircraft Mechanic Architect Automotive Collision Technician Astronautical Engineer Brick Mason Carpenter Chemical Engineer Civil Engineer Climate Control Mechanic Computer Engineer Crane, Derrick Operator Drafter Earth Driller Diagnostician Diesel Mechanic	Electrician Electronics Engineer Estimator Floor Layer Farm Equipment Mechanic Manufacturing Representative Service Manager Painter Heating & Cooling Technician Industrial Engineer Instrumentation Technician Mechanical Engineer Metal Roller & Finisher Millwright Metallurgical Technician Mold Maker Welder	Nuclear Engineer Packaging Engineer Petroleum Engineer Pilot Plasterer Plastics Engineer Plumber & Pipe Fitter Printing/Plate Making Quality Control Inspector Roofer Robot Technician Software Engineer Structural Iron Worker Surveyor Systems Designer Tool & Die Maker Utilities Line Person
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Career Prep Activities

Educational Development Plan Portfolio 9-12 Job Shadowing	Site Visit/Work Experience Mentoring Senior Portfolio Presentation
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Health Sciences



Persons choosing this pathway care about people, their needs, and their welfare; are intrigued by the human body & its functions, value a healthy body for self & others, are able to willing to follow detailed instructions, have a manual dexterity & good eyesight, enjoy being a member of a team, have good interpersonal skills, have an aptitude for working with electronic equipment, and can work efficiently under stressful conditions.

Possible Health Sciences four-year plan

Freshman	Sophomore	Junior	Senior
English 9	English 10	English 11	English 12
Algebra I	Geometry	Algebra II	Senior Math
Biology	Earth Science	Chemistry/Physics	Academic Elective
Global Studies	American History	Economics/Government	Academic Elective
World Language	World Language	Elective/VPA	Elective/VPA
Health/Phys. Education	Elective/VPA	Elective	Elective
Elective/VPA	Elective	Elective	Elective

Career Core Electives

All Science Courses: including Anatomy & Physiology Medical Careers & Terminology Organic Chemistry Infectious Disease & Immunity Genetics All Math Courses All Computer Courses Business Management Career & College Planning	Leadership Public Speaking Nutrition Education Personal Living Relationships & Family Art Studio I, II, III, & IV Ceramics I, II, III, & IV Jewelry I & II Cardio Fitness Stength & Conditioning	Psychology / AP Psychology Sociology French, Spanish Agriculture Science Culinary Arts Cadet Teaching I & II Early Childhood Education Emergency Medical Technician Health Occupations Phlebotomy/EKG
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Suggested School and Community Activities

Athletic Teams Baby-sitting Career Fairs Explorers Post-Health Health Occupations Students of American (HOSA) Hospice Volunteer Red Cross Volunteer	Be the Change Club Pre-Med Club Optimist Club Peer Tutoring Quiz Bowl Special Olympics Project Unified Science Olympiad	Part-time employment in related field Speech Contests Volunteer for Hospitals Volunteer for Nursing Homes Follow a career related activities in newspapers or on the Internet.
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Health Sciences



Occupational Areas

Employment in this career pathway has many options and includes many occupations with varied educational requirements. Employment can be found in hospitals, home health care agencies, nursing homes, offices and clinics of physicians and other health practitioners, schools, large corporate organizations and research facilities.

Possible Careers

Actuary Dietitian/Nutritionist Computer Technician Laser Technician Biomedical Engineer Health Physicist Ambulance Driver Dental Assistant Dialysis Technician Employee Benefits Coordinator Electrocardiograph Technician Epidemiologist Home Health Aide Medical Assistant Medical Information Surgeon Zoologist	Physician's Assistant Nursing Optometrist Pharmacist Physical Therapist Surgical Tech Dental Lab Tech Medical Record Tech Radiological Tech Respiratory Therapist Ultrasound Tech Athletic Trainer Audiologist Chiropractor Dental Hygienist Surgical Tech	Occupational Therapist Otolaryngologist Physician Podiatrist Speech Pathologist Teacher Veterinary Assistant Veterinarian Paramedic Orthodontist Psychiatrist Dentist Biochemist Anesthesiologist Mortician Medical Administrator
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Career Prep Activities

Educational Development Plan Portfolio 9-12 Job Shadowing	Site Visit/Work Experience Mentoring Senior Portfolio Presentation
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Human Services

Persons choosing this pathway are imaginative, creative, innovative & flexible; are outgoing, competitive, enthusiastic & self confident; have good writing & speaking skills; can express thoughts clearly & simply; can work independently; have artistic or musical ability; have decision-making & problem solving skills; and like to express thoughts feelings or ideas.



Possible Human Services four-year plan

Freshman	Sophomore	Junior	Senior
English 9	English 10	English 11	English 12
Algebra I	Geometry	Algebra II	Senior Math
Biology	Earth Science	Chemistry/Physics	Academic Elective
Global Studies	American History	Economics/Government	Academic Elective
World Language	World Language	Elective/VPA	Elective/VPA
Health/Phys. Education	Elective/VPA	Elective	Elective
Elective/VPA	Elective	Elective	Elective

Career Core Electives

All Science Courses, including: Medical Careers & Terminology Forensic Science All Math Courses All Computer Courses Business Management Accounting Entrepreneurship Marketing / Adv. Marketing French, Spanish Public Speaking Debate	Government / AP Government Economics Psychology / AP Psychology Sociology Law & Criminal Justice Nutrition Education Personal Living Housing & Interior Design Relationships & Families Leadership Career & College Planning	Peer to Peer Support Agriculture Science Cosmetology Culinary Arts Cadet Teaching I & II Early Childhood Education Emergency Medical Technician Fire Fighter I & II Law Enforcement Health Occuatptions Phlebotomy/EKG
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Suggested School and Community Activities

Athletic Teams Baby-sitting Be the Change Club Bible Club Career Fairs Church Volunteer Coaching Little League Teams Community Service Day Care Volunteer/Worker	Drama Club Future Educators Club GSA Club Optimist Club Peer Tutoring Pre-Med Club Projgect Unified Special Olympics	Quiz Bowl Student Council Sunday School Teacher Volunteer for Hospitals/Nursing homes Part-time employment in related area
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Human Services



Occupational Areas

These occupations include teachers, religious workers, child care workers, gerontological care providers, social workers, counselors, psychologist, and human service workers. These jobs will be found in local, state, and federal government agencies, public welfare agencies, facilities for the cognitively impaired and developmentally disabled, clinics, hospitals, churches and schools.

Possible Careers

Activities Therapist Anthropologist Child Care Worker Clergy College Administrator/Professor Cook or Chef Cosmetologist Counselor Court Administrator Detective Teacher Aide Principal	Teacher Dietitian/Nutritionist Domestic Worker Floral Designer Interior Decorator Health Inspector Judge Hotel/Motel Manager Law Enforcement Officer Labor Relations Specialist Lawyer Librarian	Psychologist Human resource manager Special education aide Social Worker Nail technician Politician Paralegal Preschool teacher Psychiatric Aide or Technician Rehabilitation Counselor Social/Recreation Director
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Career Prep Activities

Educational Development Plan Portfolio 9-12 Job Shadowing	Site Visit/Work Experience Mentoring Senior Portfolio Presentation
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Natural Resources & Agriscience

Persons choosing this pathway enjoy working with plants, fish, animals or other components of nature, are concerned about the environmental, enjoy science classes, like to work outdoors, like a variety of challenges, possess managerial skills and business knowledge or organize and operate a business.



Possible Natural Resources & Agriscience four-year plan

Freshman	Sophomore	Junior	Senior
English 9	English 10	English 11	English 12
Algebra I	Geometry	Algebra II	Senior Math
Biology	Earth Science	Chemistry/Physics	Academic Elective
Global Studies	American History	Economics/Government	Academic Elective
World Language	World Language	Elective/VPA	Elective/VPA
Health/Phys. Education	Elective/VPA	Elective	Elective
Elective/VPA	Elective	Elective	Elective

Career Core Electives

All Math Courses All Science Courses, including: Environmental Sciences Organic Chemistry All Computer Courses Accounting Business Management Entrepreneurship Marketing Career & College Planning	CAD Design Elements CAD Animation CAD Architecture CAD Engineering Construction Technology Advanced Construction Woodworking Advanced Woodworking Alternative Energy Technology Auto Technology I, II, & III	Energy Technology Public Speaking Economics French, Spanish Leadership Nutrition Education Agriculture Science Robotics & Automation I & II Fire Fighter I & II Manufacturing
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Suggested School and Community Activities

Adopt-A-Highway Agricultural Clubs Animal Associations Auto Club Career Fairs Ecology Projects	Environmental Club Leadership Skills Competition Part-time worker on a farm or landscape or nursery business Science Museum Worker Science Related Competitions	Science Olympiad Scouting Activities Volunteer at Howell Nature Center Volunteer Firefighters 4-H Livestock Shows
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Natural Resources & Agriscience



Occupational Areas

Approximately 22 million people now work in agricultural and agri-related fields, but only 10 percent are directly involved in traditional farming. The majority work in agribusinesses, communications, science, government, education, processing, distribution, marketing or sales. As new technologies and new job opportunities emerge, so will the need for well-trained and educated people.

Possible Careers

Animal Caretaker/Groomer Arborist Farm Worker Grounds keeper Logging Worker Horticulturist/Nursery worker Pest Controller Water/Waste Plant Operators Agronomist Animal Scientist Food Scientist Astronomer Cartographer Botanist Biologist Biosystems Engineer Cooperative Extension Service Worker	Conservation Office Diver Ethnobotanist Environmental Engineer Environmental Analyst Fish and Wildlife Tech Geomatics Engineer Hazardous Waste Management Hydrologist Ichthyologist Firefighter/Fire Control Officer Forestry Technician Floriculturist Golf Superintendent Chemical Engineer/Technician Fish and Game Warden Park Ranger Tree Surgeon	Horticultural Services Landscaping Turf Management Geologist Geophysicist Geotechnician Entomologist Lab Technician Research Hydrologist Irrigation System Designer Marine Biologist Plant Scientist Oceanographer Surveyor Soil Conservationist Zoologist
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Career Prep Activities

Educational Development Plan Portfolio 9-12 Job Shadowing	Site Visit/Work Experience Mentoring Senior Portfolio Presentation
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Course Description Sample and Key

At the beginning of each department page, a chart describes the essential information necessary when planning future courses. A sample chart with various courses is shown below.

COURSE NUMBER	COURSE NAME	CREDITS	GRADE LEVEL	PREREQUISITE	MEET REQ. OF:
46341S	Art Studio II	0.5	9 - 12	Art Studio I	VPA
48081S	Relationships & Families	0.5	9 - 12		
477010	Marketing	1.0	10 - 12		CC, EC, VPA
476830	Auto Tech II Maintenance & Light Repair (2-hour year long course)	2.0	11 - 12	Auto Tech I	CC, SMA, VPA
450120	French II	1.0	9 - 12	French I or French I Honors	NCAA

Course Number: This number correlates directly with the course and must be used by students when registering for courses online.

Course Name: The name of the course

Credits: Credits indicate the credit value of the course. A course worth .5 credit is a one semester course. A course worth 1.0 credit is a full year course. A 2.0 credit course is a year long course that is two hours in length. A 3.0 credit course is a shared time program which meets for three hours per day outside the high school. (Exception: Media Broadcasting is worth 1.0 credit but is a semester course that is 2 hours long)

Grade Level: The grade level(s) at which the course may be taken

Prerequisite: The course(s) or conditions which must be completed or met before you may enroll in the course. Often this could include a requirement for the teacher's signature or an application to sign up for the course.

Meets Requirements (Req.) Of: Lists areas of graduation requirements the course satisfies. This section is also used to list which courses meet NCAA requirements (college division I or II sports), as well as which courses may earn students college credits through established articulation agreements at specific institutions of higher learning. Abbreviations are explained below:

Areas of Graduation Requirements:

EC: Meets Economics requirement

SMA: Senior Mathematics: meets the final year math-related class requirement when taken in 12th grade

VPA: Meets Visual Performing Arts Requirement

NCAA: Meets requirements to count as a core NCAA course

CC: College credits may be earned at articulated colleges

On the following pages, below each chart are the actual course descriptions. Information provided will describe the content, operation and/or objectives of the course. Students may check with their counselor, other students, and teachers about specific details of operation and teacher expectations. It is recommended that all students discuss their course selection with their current subject-area teacher and parents.

Livingston County Out-of-District Programs

Livingston County will offer these additional Career and Technical Education (CTE) programs for Hartland juniors and seniors within the career fields below. Students are required to provide their own transportation to and from out-of-district programs. Students enrolled in out-of-district program courses will use three hours of their schedule for transportation and class instruction time. Three credit hours are earned for the two-hour blocks, with the exception of Health Occupations II. Please contact your counselor for more information.

LIVINGSTON COUNTY PROGRAMS – OUT-OF-DISTRICT

COURSE NUMBER	COURSE NAME	CREDITS	GRADE LEVEL	LOCATION	MEET REQ. OF:
476030	Advanced Welding	3.0	11 - 12	Pinckney HS	SMA, VPA
474530	Agriculture Science I & II (Botany/ Zoology)	3.0	11 - 12	Fowlerville HS	CC, SMA
475030	Auto Collision & Restoration	3.0	11 - 12	Pinckney HS	CC, SMA, VPA
478030	Construction I & II	3.0 / 4.0	11 - 12	Parker MS / Job Site – Howell	CC, SMA, VPA
479630	Cosmetology I & II *Fee Required	3.0	11 - 12	Brighton Institute of Cosmetology	CC
475430	Culinary Arts & Hospitality I & II	3.0	11 - 12	Howell HS	CC, SMA, VPA
475330	Early Childhood Education I & II	3.0	11 - 12	Howell HS	CC, SMA, VPA
478730	Education Careers I & II	3.0	11 - 12	Brighton HS	CC, SMA, VPA
474830	Emergency Medical Training (EMT)	3.0	12	Livingston County Public Safety Complex – Howell	CC
474630	Firefighter I & II	3.0	11 - 12	Fire Station #34 – Brighton	CC, VPA
475530	Graphic Communications I & II	3.0	11 - 12	Brighton HS	CC, SMA, VPA
474320	Health Occupations	3.0	11 - 12	Brighton or Howell HS	CC, VPA
477330	JROTC, Air Force	3.0	11 - 12	Howell HS	
475430	Law Enforcement	3.0	11 - 12	Livingston County Sheriff's Office – Howell	CC, VPA
475730	Manufacturing I & II	3.0	11 - 12	Howell HS	CC, SMA, VPA
474430	Private Pilot Ground School	3.0	11 - 12	Crosswinds Aviation – Howell	CC
475830	Robotics & Automation I & II	3.0	11 - 12	Pinckney HS	CC, SMA, VPA

ADVANCED WELDING

Grades: 11-12

Location: Pinckney Community High School

Course Length: One-Year Course/Two-hour Block

Prerequisite: None, *Students have the opportunity to sign up for Livingston Early College (Washtenaw CC)

This course of study is planned to prepare the student to work in the welding industry, a high wage, highly skilled job in Michigan. Course Content Goals include: Describe welding and machining safety precautions, Describe the welding and machining phase of manufacturing, Set-up oxy acetylene equipment, Demonstrate the beginning skill level of an oxyacetylene welder, Set-up shielded metal arc welding equipment, Describe the key variables that affect weld quality, Demonstrate the beginning skill level of a shielded metal arc welder, Demonstrate the beginning skill level of a plasma arc cutting operator, Visually recognize the quality and strength of common welds, Describe weld distortion and how to control it, Identify the commonly used metals and know their physical properties and weldability, Set-up gas metal arc welding equipment, Demonstrate knowledge of shielding gasses, Demonstrate the beginning skill level of a gas metal arc welder.

AGRICULTURE SCIENCE I (Botany/Zoology)

Grades: 11-12

Location: Fowlerville High School

Course Length: One or Two-Year Course/Two-hour Block

Prerequisite: Biology and Earth Science are recommended

This year-long, two-hour block course provides students hands-on experiential learning opportunities in plant and animal science, and is appropriate for students interested in careers in the fields of agriculture, food, and natural resources. Students in this course will improve their leadership, personal growth, and practical skills through participation in the Fowlerville FFA chapter.

Botany: Botany introduces the basic principles of plant structure, function, and reproduction with projects focused on human uses of plants for food, agriculture, landscape, medicine, and ecology. Hands-on projects include greenhouse and indoor gardening, vegetable production, hydroponics, forestry, and field experiences.

Zoology: Zoology introduces the principles of animal anatomy and physiology with a focus on companion animals and livestock production. Animal care, handling, and veterinary techniques are practiced while working in hands-on projects including beekeeping, aquaculture production, raising broiler chickens, veterinary skills, and field experiences.

AGRICULTURE SCIENCE II

Grades: 12

Location: Fowlerville High School

Course Length: One or Two-Year Course/Two-hour Block

Prerequisite: Successful completion of Agricultural Science/Zoology/Botany prior to Agricultural Science II

This year-long two-hour block is for 12th grade students who have successfully completed the Agricultural Science: Zoology & Botany curriculum and wish to pursue careers in the Ag, Food, and Natural Resources industries. Ag II students will earn industry certifications by taking online coursework, participate in two, 6-9 week work-based learning internships, and be heavily involved in the Fowlerville FFA chapter.

AUTO COLLISION & RESTORATION

Grades: 11-12

Ever wondered what it takes to bring a damaged car back to life; or to custom-build something truly unique?

Auto Collision and Restoration is a hands-on, project-based Career & Technical Education course that introduces students to the high-demand world of automotive collision repair, custom fabrication, and metalworking using industry-recognized I-CAR and ASE-aligned curriculum. Students work in a real shop environment while learning how professionals stay safe, use industry tools, understand modern vehicle construction, analyze collision damage, and perform real repairs. Instruction begins with Collision Repair Foundations, covering shop and personal safety, proper tool use, vehicle construction, and the role of collision repair technicians in today's automotive industry. Students then progress through disassembly and reassembly, plastic repair, non-structural metal repair, and preparation for refinishing, following professional, OEM-style repair practices. Throughout the program, students also explore traditional and creative metalworking, including: Old-school metal shaping / fabrication, Custom welding and fabrication, Sheet-metal forming and repair, Plastic and composite repair, Art-and-metal projects that blend creativity with technical skill. The curriculum covers the first five I-CAR Academy standards, giving students a strong foundation for advanced training and allowing them to earn industry-recognized I-CAR credentials while still in high school. Over two years, instruction aligns with both ASE and I-CAR pathways, preparing students for employment, apprenticeships, or post-secondary technical education. No prior auto body experience is required—just curiosity, creativity, and a willingness to work with your hands. By the end of the course, students won't just learn about cars—they'll think like collision repair professionals, build confidence with tools and technology, and complete hands-on projects they can be proud of.

Career Pathways & Job Outlook: Collision repair technicians are in high demand nationwide. Many careers do not require a four-year college degree. Entry-level technicians can advance quickly with experience and certifications. Experienced technicians, painters, fabricators, and estimators earn competitive wages and long-term career stability. Career opportunities include: Collision repair facilities, Dealerships, Insurance estimating, Custom fabrication and restoration, Motorsports and specialty shop. Skills You'll Learn: Shop and personal safety (I-CAR standards), Professional use of auto body tools and equipment, Modern vehicle construction and materials, Collision damage analysis and repair planning, Non-structural metal and plastic repair, Surface preparation for refinishing, Welding, fabrication, and creative metalwork.

CONSTRUCTION I

Grades: 11-12

Location: Parker Middle School, Howell

Course Length: One Year Course/Two-hour Block

Prerequisite: Construction Technology is recommended

Students will have the opportunity to work with licensed electricians, plumbers and HVAC contractors, as well as other industry professionals, to learn the basics of residential construction while exploring career opportunities in the construction trades. This class is designed to be 30% classroom learning with 70% hands-on work. All tools and equipment will be provided, including all safety PPE. Students will be required to have the proper footwear and clothing. After completing this course, graduates will have job opportunities from local contractors, businesses, unions, trade schools, and college programs in construction degrees. Topics covered include excavation/site prep, foundations/concrete, rough framing, mechanicals, exterior & interior finishes, blueprint reading, permits, building code, Osha 10 Certification & Career Connections Certification.

CONSTRUCTION II

Grades: 12

Location: Building Site, Howell (Varies)

Course Length: One year/Two-hour Block

Prerequisite: Construction I

This course is designed for students who are seriously considering a career in the construction trades. Students will apply the skills they are learning in Construction I to build an upscale home in the Howell community to be sold on the open market. All tools and equipment will be provided, including all safety PPE. Students will be required to have the proper footwear and clothing to work in all weather conditions. Students will work with multiple licensed electricians, plumbers, HVAC contractors and other professionals from the trades. All participants will get a wide range of experience with all aspects of the build. After completing this course, graduates will have job opportunities from local contractors, businesses, unions, and trade schools.

COSMETOLOGY

Grades: 11-12

Location: Brighton Institute of Cosmetology – 10543 Citation Drive, Brighton, MI

Course Length: One or Two-Year/Two-hour Block, meets daily M-F from 12:30-4:30 PM

Prerequisite: None

A 1–2 year (plus one summer) program that will immerse students into the world of Cosmetology. Through 1,500 hours of instruction & practical work, students will be educated on a variety of topics that cover the study of hair, skin & nails. With a primary emphasis on hairstyling, haircutting, color theory, lightening and toning, students will also learn foundations in skincare & manicuring services.

Upon successful completion students will be eligible to take the Cosmetology State Board Examinations to gain licensure for employment in the state of Michigan. **The cost of this program includes** tuition, student kit, books & state fee to register hour reporting. Students must complete orientation at Brighton Institute of Cosmetology with a parent/guardian present. This will cover all program information and will be held prior to the start of the course.

CULINARY ARTS & HOSPITALITY I

Grades 11-12

Location: Howell High School

Course Length: One-Year Course/Two-hour Block

Prerequisite: None

The Culinary Arts and Hospitality program at Howell High School is a class available for any juniors or seniors interested in food, cooking, baking, pastries, restaurant operations, management skills, and/or the food industry in general. Students will learn about the exciting and addicting environment of the restaurant business in the student-run cafe, The Highlander Restaurant.

CULINARY ARTS & HOSPITALITY II

Grades 12

Location: Howell High School

Course Length: One-Year Course/Two-hour Block

Prerequisite: Culinary Arts & Hospitality I

Culinary Arts and Hospitality II is the second installment of the culinary program at Howell High School. In this class, students will have increased responsibilities and more advanced and exciting opportunities to excel in the food industry. Some of the many opportunities available are management roles, not only within the restaurant but also event management and creative design duties; menu planning, creating recipes, and ServSafe and ProStart certifications (which are nationally recognized accreditation), along with internship opportunities in the local restaurant industry. This class will help provide students with a smooth transition into their college culinary experience, and the professional industry as well.

EARLY CHILDHOOD EDUCATION I & II

Grades: 11-12

Location: Howell High School

Course Length: One or Two-Year Course/Two-hour Block

Prerequisite: None

This class is for students who are preparing for a career in education working with young children! Student-operated on-site preschool programs and elementary classrooms provide hands-on learning experiences. Students will be introduced to occupations of preschool and elementary teacher, childcare provider, therapist, special education teacher plus many more. Students will understand and apply communication and collaboration skills, classroom management techniques and strategies, and employ fundamental knowledge of educational philosophies to enhance learner achievement. A secondary goal of the program is to develop future community leaders who will become civic advocates for public education. Second year students will work towards the National Child Development Associate Certificate (CDA).

EDUCATION CAREERS I & II

Grades: 11-12

Location: Brighton High School

Course Length: One or Two-Year Course/Two-hour Block

Prerequisite: None

This course is designed to provide students with an opportunity to explore, and experience first-hand, teaching as a profession. Students will receive a variety of experiences working directly with young students from preschool through 8th grade around the Brighton Community. Students in Education Careers will be involved in the development and application of content through classroom hands-on activities, planning and carrying out appropriate lessons to teach young students in a classroom setting.

EMERGENCY MEDICAL TECHNICIAN TRAINING (EMT)

Grades: 12

Location: Livingston County Public Safety Complex – 1911 Tooley Road, Howell, MI

Course Length: One-Year Course/Two-hour Block

Prerequisite (One of the following):

1. Successful completion of Health Occupations
 2. Successful completion of Firefighter I & II program
 3. Active participation in a Junior Firefighter or Explorer program
 4. Successful completion of a high school Anatomy and Physiology course
 5. Or obtain administrator's approval with recommendation by a teacher or counselor
- In addition, students must also show proof of immunization status, be willing to receive industry specific immunizations, and are able to pass drug tests and background checks necessary for community-based practice experiences

This year-long program prepares students for Emergency Medical Technician certification through a rigorous hands-on approach to first aid and lifesaving techniques. The course delivery includes lectures, discussions, group work, and extensive practice with simulators and colleagues. Successful students will qualify for CPR certification, as well as the National Registry of Emergency Medical Technician examination. Attendance at sessions outside of normal school hours will be required in order to meet training objectives.

FIREFIGHER I & II

Grades: 11-12

Location: Fire Station #34, 2755 Dorr Rd, Brighton, MI

Course Length: One Year Course/Two-hour Block

Requirements (must meet the following criteria):

- 1) Application required and possible interview required
- 2) Must be on track for graduation
- 3) 90% minimum attendance & 70% average classroom scores for State of Michigan Firefighter Certification, which includes both written and practical skills
- 4) Commitment to one 8-hour Saturday training session each month throughout the school year

This elective will provide students an opportunity to receive State of Michigan Firefighter I & II training beginning as early as 16 years of age, heading to their state certification. Firefighter I & II is a one school-year course that blends a combination of classroom knowledge and firefighter practical skills necessary for successful completion of the State certification. Cadets will learn all aspects of firefighter training in an academy setting, complete with fire trucks and firefighting equipment in a working fire station.

GRAPHICS COMMUNICATIONS I & II

Grades: 11-12

Location: Brighton High School

Course Length: One or Two-Year Course/Two-hour Block

Prerequisite: None

Every day we are surrounded by printed and designed images from brochures, logos, signs, forms, comic strips, apps, business cards, vehicle wraps, banners, stickers, and posters. The Graphic Communications program prepares students to be part of the printing, publishing and design industries. This class covers the processes and industries that create, develop and design. Software covered includes Adobe PhotoShop, Illustrator, and InDesign. Topics covered include: product planning and layout, graphic design, image reproduction, bindery, finishing operations, screen printing; ink, paper, lithographic press operations and career employability skills. You will design and produce products such as banners, posters, stickers, magazines, greeting cards, and T-shirts for both personal and various customers. This course is helpful if you are considering one of the following career pathways: art school, advertising, graphic design, or print management. Our classroom is fully equipped with large format presses, screen printing equipment, and a digital press. For more information and to see sample projects, check out the classroom Instagram page at Brighton_graphics.

HEALTH OCCUPATIONS

Grades: 11-12

Location: Brighton High School or Howell High School

Course Length: One-Year Course/Two-hour Block

Prerequisite: Anatomy & Physiology is strongly recommended

Health Occupations is a 2-hour block class, offered at Brighton or Howell High School, designed for students interested in pursuing a career in the medical field. This course will give you an introduction to various health care professions and expose you to a variety of medical skills, medical vocabulary, and direct patient care opportunities! Students enrolled in this program will earn a CPR certification, First Aid Certification, Bloodborne Pathogen Training, HIPAA Training, and many other industry skills that will lead you to success as a future healthcare professional. Instruction techniques include class discussions, projects, hands-on assessments, and opportunities to attend 'clinical placements' within the Livingston County area during the second semester of the class. Following the completion of *Health Occupations*, students are encouraged to continue their academic pathway by taking EMT or participating in the Early College Program at LCC with a pathway in nursing.

JROTC, AIR FORCE

Grades: 11-12

Location: Howell High School

Course Length: One-Year Course/Two-hour Block

Prerequisite: Air Force Junior ROTC

Air Force JROTC is a program designed to educate students in citizenship, leadership, personal responsibility, and character development. The course uses military training principles, including wear of the military uniform (one day per week), grooming standards, and basic customs and courtesies to help instill discipline and accountability. The course curriculum consists of three main components: Leadership Education (LE), Aerospace Science (AS), and Health and Wellness. Subject areas for the LE and AS curriculum are taught on a rotational basis so cadets (students) do not repeat a curriculum while in the program (SY 25/26 – LE400 - Foundations of Management and AS410 - Survival Skills; SY 26/27 – LE100 Traditions and Foundations of Citizenship and AS-220 - The Science of Flight). Cadets in their senior year accomplish a unique curriculum, AS400 – Management of the Corps, where they put their leadership and management skills to practice. Students will also learn about career opportunities by researching career paths in both private and public service. Additionally, several co-curricular and extra-curricular activities are hosted by the program including competitive Drill & Ceremonies, competitive Fitness, Cyber Security, Academic Bowl, Flight Simulation and small-scale Drones, among others. The program fosters a sense of community and belonging for cadets and serves as a positive representation within the local community. AFJROTC is not a military recruitment program and has no military obligation related to this class. This class is a Leadership and Citizenship Program.

LAW ENFORCEMENT

Grades: 11-12

Location: Livingston County Sheriff's Office, 150 S. Highlander Way, Howell, MI

Course Length: One-Year Course/Two-hour Block

Prerequisite: None, Law & Criminal Justice recommended

This Career and Technical Education (CTE) Law Enforcement program introduces high school students to careers in law enforcement and public safety through an engaging blend of classroom instruction and hands-on, real-world experience. Held at the Livingston County Sheriff's Office, students gain firsthand exposure to the daily operations of a professional law enforcement agency. Students will explore key areas of the criminal justice system, including law, courts, corrections, investigations, forensics, ethics, and physical fitness. The course emphasizes the skills and professional behaviors essential to law enforcement and public safety, such as observation and monitoring, enforcement procedures, apprehension, conflict resolution, teamwork, ethical decision-making, and due process. Through hands-on training, students will participate in activities such as fingerprinting, self-defense, crash investigation, crime scene investigation, evidence collection, and basic patrol tactics. Learning is enhanced through field trips, guest speakers, and job-shadowing opportunities with local law enforcement and public safety agencies. The program connects students to a wide range of career pathways, including police officer, corrections, courts, dispatching, forensic services, and probation. Students will also have the opportunity to earn industry-recognized credentials and certifications that support future education and career goals.

Potential Career Credentials and Certifications Include:

LAPSEN National Law Enforcement Certification

Stop the Bleed

FEMA 100, 200, 700, and 800

FEMA 906 and 907

First Aid / CPR / AED / NARCAN

This course is ideal for students interested in public service, leadership, and making a positive impact in their community while preparing for postsecondary education or careers in law enforcement and public safety.

MANUFACTURING I & II

Grades: 11-12

Location: Howell High School

Course Length: One-Year Course/Two-hour Block

Prerequisite: None

This course offers an introduction to state of the art manufacturing techniques by providing an integrated approach to the design, production, and testing of objects and materials. Students begin the course by mastering the basics of a machine tool process, then move to more advanced projects involving computer numerical control (CNC) machining, computer aided drafting (CAD), and computer aided manufacturing (CAM). The welding portion of the course introduces students to shielding metal arc welding, gas metal arc welding, gas tungsten arc welding, cutting, and brazing. Throughout the course an emphasis on product production is maintained, and students develop skills useful in a modern manufacturing environment.

PHLEBOTOMY/EKG

Location: Livingston County Public Safety Complex – 1911 Tooley Road, Howell, MI

Grades: 12

Course Length: One Semester/Two-hour Block

Prerequisite: Successful completion of health occupations class & Students must be a senior and will have some industry rotations and need their own transportation.

Phlebotomy: A certificate curriculum is designed to prepare a person to function as a phlebotomy technician. It will provide the knowledge, skills, and externship experience that are necessary to safely and skillfully obtain a blood specimen from a patient. Students will complete multiple blood draws on training arms and on live patients, including one another. Eligible students can get their phlebotomy certification by passing the state test and completing 30 blood draws. A phlebotomist may work in a variety of settings, such as hospitals, outpatient labs, physicians' offices, or clinicals. Phlebotomy is a rewarding and in-demand career. Enroll in this phlebotomy course today and take your first step towards a fulfilling healthcare career!"

EKG: This curriculum provides a comprehensive introduction to electrocardiography (EKG). Students will learn the basic principles of cardiac electrophysiology and how to perform 12-lead EKGs, including proper electrode placement, patient preparation, and artifact recognition. Emphasis will be placed on obtaining high-quality EKG tracings and recognizing basic cardiac rhythms. Students will also learn about the ethical and legal responsibilities of an EKG technician. This course will prepare students for entry-level positions in healthcare facilities and the Certified EKG Technician (CET) exam.

PRIVATE PILOT GROUND SCHOOL

Grades: 11-12

Location: Crosswinds Aviation Flight Center – 3808 W. Grand River, Howell, MI

Course Length: One or Two-Year Course/Two-hour Block

Prerequisite: Pre-arranged free Young Eagle flight w/certified pilot or \$279 plus membership fee for materials

Year 1: The course offers a structured FAA curriculum to learn all the knowledge required to pass the FAA Private Pilot Knowledge Exam. Passing this exam is a requirement to obtain an FAA Private Pilot License, which is the first step to becoming a career pilot.

Year 2: Optional and has limited seats. 2nd year students will earn a Remote Pilot License to be able to fly drones professionally, complete projects to Commercial and Flight Instructor FAA level licensing, and be mentors to first year students. The knowledge obtained in this course is also applicable to any career path in aviation, such as: aircraft maintenance, airport/aviation management, aeronautical/aerospace engineering, air traffic control, avionics/computer instrumentation, dispatch, etc.

Successful completion of this course can earn free college credits through articulation and partnership agreements. Other post-secondary colleges may grant free or purchased credit hours with the FAA Private Pilot Knowledge Exam Certificate and/or an FAA Private Pilot License.

ROBOTICS AND AUTOMATION TECHNOLOGY I & II

Grades: 11-12

Location: Pinckney Community High School

Course Length: One-Year Course/Two-hour Block

Prerequisite: None

The Robotics and Automation Technology program prepares students interested in Engineering and Technology focused careers to use computer software and hardware based processes to solve problems common in engineering, manufacturing and business. As a result of their learning, students will program different types of robots, use computers to design and build engineering solutions, learn basic machine tool operation, and work in teams to design, construct, and operate an automated robotic work cell. This program provides a great hands-on experience for students interested in computer programming, electronics, computer aided manufacturing (CAM), material science, and machine tool operations. Students have the opportunity to sign up for Livingston Early College, partnering with Washtenaw Community College.

APPLIED TECHNOLOGY COURSES

COURSE NUMBER	COURSE NAME	CREDITS	GRADE LEVEL	PREREQUISITE	MEET REQ. OF:
47052S	Automotive Technology I	0.5	9 - 12		SMA, VPA
476830	Auto Tech II Maintenance & Light Repair (2 hour/year long course)	2.0	11 - 12	Auto Tech I w/ C or better	CC, SMA, VPA
476930	Auto Tech III Advanced Maintenance & Light Repair (2 hour/year long course)	2.0	11 - 12	Auto Tech II w/ C or better	CC, SMA, VPA
47001S	CAD Design Elements	0.5	9 - 12		SMA, VPA
47061S	CAD Animation	0.5	9 - 12		SMA, VPA
47101S	CAD Architecture	0.5	9 - 12	CAD Design Elements	CC, SMA, VPA
47111S	CAD Engineering	0.5	9 - 12	CAD Design Elements	CC, SMA, VPA
47031S	Construction Technology	0.5	9 - 11	Woodworking and/or Carpentry Tools & Tech.	SMA, VPA
47521S	Advanced Construction	0.5	10 - 12	Construction Technology	CC, SMA, VPA
47041S	Woodworking Technology	0.5	9 - 12		SMA, VPA
47011S	Carpentry Tools & Techniques	0.5	9 - 12	Woodworking is recommended	SMA, VPA
47071S	Alternative Energy Technology	0.5	9 - 12		SMA, VPA
474940	Energy Technology*	2.0	11 - 12		CC, SMA, VPA

AUTOMOTIVE TECHNOLOGY I

This one semester course explores the basic theory and operation of all vehicle systems. This course emphasizes the importance of preventative vehicle maintenance and service. No prior automotive experience necessary.

AUTOMOTIVE TECHNOLOGY II: MAINTENANCE & LIGHT REPAIR – 2-Hour Block

This course will follow the performance standards curriculum of The ASE Educational Foundation for the eight ASE automotive certification areas. These areas are: Engine Repair, Automotive Transmission, Manual Transmission & Axel, Electrical & Electronics, Engine Performance, Brakes, Steering & Suspension, and HVAC. This course is a prerequisite for the AST course.

AUTOMOTIVE TECHNOLOGY III: ADVANCED MAINTENANCE & LIGHT REPAIR – 2-Hour Block

This course will follow the performance standards curriculum of The ASE Educational Foundation for the eight ASE automotive certification areas. These areas are: Engine Repair, Automotive Transmission, Manual Transmission & Axel, Electrical & Electronics, Engine Performance, Brakes, Steering & Suspension, and HVAC. This class will involve Advanced Automotive Service Technology curriculum materials.

CAD DESIGN ELEMENTS

This one semester course is designed to introduce students to basic technical knowledge and develop specific skills in technical drawing, 2D and 3D CAD drafting and engineering design. Skills developed will include sketching, measurement, geometric construction, multiple view drawings, pictorial drawings, basic architectural design and engineering practices. This class is a prerequisite for CAD Architectural Engineering or CAD Mechanical Engineering.

CAD ANIMATION

This one semester course will introduce students to 3D modeling and digital animation techniques. Students will learn how to use a variety of computer programs to create digital models, render 3D objects, design and program video games, generate scenes with layered motion effects and engineering design techniques.

CAD ARCHITECTURE

This one semester course will introduce students to architectural design and structural engineering. Students will design and draw a complete set of plans for several residential and commercial buildings. They will develop architectural designs, create presentation drawings, create interior design perspectives and build scale models. The students will be working with the most current 2D and 3D CAD software. Upon completion of this course articulated community college credit may be granted.

CAD ENGINEERING

This one semester course is designed to develop competencies in machine production drawings, project design, detailing, precision dimensioning, auxiliary views, and sections. There will also be an introduction to mechanical engineering practices and materials along with an introduction to animation and analysis of working drawings. The students will be working with the most current 2D and 3D CAD software. Upon completion of this course articulated community college credit may be granted.

CONSTRUCTION TECHNOLOGY

This one semester course is designed to give students an exploratory hands-on approach in areas of residential construction. Students will work with tools, materials and techniques in a lab setting to construct small structures. The class will focus on framing of floors, walls and roof and will frame out a play house as a final project.

ADVANCED CONSTRUCTION

This one semester course is the final section to a National Certification from The Home Builders Association. Students will become competent in green building procedures, materials and equipment usage for the building trades by working with hands-on projects throughout the course. All aspects of residential construction (framing, roof, interior trim, electrical, plumbing and heating and air conditioning) will be addressed and taught in this class. Students will gain insight into future careers in construction by building sheds, barns and green houses that are energy efficient and sustainable.

(Articulated college credit in the area of building trades may be available for this class.)

(National Certification in Home building and OSHA Safety Certification can be obtained from class)

WOODWORKING TECHNOLOGY

This one semester course is designed to give students an introduction to woodworking technology. Skills developed will include working safely with hand tools, power tools, machines and procedures to produce various products made out of wood.

CARPENTRY TOOLS & TECHNIQUES

This is a one semester course where students perform advanced woodworking skills and explore larger more creative projects within our shop. The students will make custom projects, cabinetry, and furniture as a progression to what they have already learned in the Woodworking Technology class.

ALTERNATIVE ENERGY TECHNOLOGY

This one semester course is an introductory lab class on renewable energy technologies. The course will review the evolution of alternative energies and will explore the green/renewable movement, solar technology, wind turbines, biodiesel, biomass use and material energy efficiencies. Students will critically analyze the benefits and viability of each technology as it pertains to commercial/residential applications and its impact on their lives. While exploring all facets of Alternative Energy, students will conduct research, do experiments, build working models and monitor/investigate actual working energy systems.

ENERGY TECHNOLOGY* (*A Livingston County Shared Time Program)

The year long, two-hour career-oriented class is designed for students to learn and apply the theoretical and technical knowledge of energy and electrical systems. This program was developed with industry to ensure students gain the necessary skills to earn initial industry certification, leading to a career in the energy industry as electrical overhead lineman.

ART COURSES

COURSE NUMBER	COURSE NAME	CREDITS	GRADE LEVEL	PREREQUISITE	MEET REQ. OF:	FEE
46331SA	Art Exploration	0.5	9 - 12	Recommended for Placement	VPA	
46431S	Art Studio I	0.5	9 - 12		VPA	None
46341S	Art Studio II	0.5	9 - 12	Art Studio I	VPA	\$30
46352S	Art Studio III	0.5	10 - 12	Art Studio II	VPA	\$30
46442S	Art Studio IV	0.5	10 - 12	Art Studio III	VPA	\$30
46391S	Ceramics I	0.5	9 - 12		VPA	\$30
46411S	Ceramics II	0.5	10 - 12	Ceramics I	VPA	\$30
46452S	Ceramics III	0.5	10 - 12	Ceramics II	VPA	\$30
46511S	Ceramics IV	0.5	11 - 12	Ceramics III	VPA	\$30
46401S	Jewelry & Metals I	0.5	9 - 12		VPA	\$30
46421S	Jewelry & Metals II	0.5	9 - 12	Jewelry & Metals I	VPA	\$30
46551S	Photography I	0.5	9 - 12		VPA	\$30
46382S	Photography II	0.5	9 - 12	Photography	VPA	\$30

ART EXPLORATION

Art Exploration is designed to provide meaningful, creative art experiences for students with diverse abilities and learning needs. This course emphasizes self-expression, skill development, and confidence building through a wide range of accessible art materials and techniques. Lessons are tailored to meet individual strengths, goals, and interests, ensuring that every student can fully participate and succeed. Students will explore drawing, painting, ceramics, printmaking, and mixed media projects, while building fine motor skills, sensory engagement, and creative problem-solving. Projects may be adapted with specialized tools, modified processes, or peer/teacher support as needed.

ART STUDIO I

Students will be introduced to a variety of materials and techniques used in the high school art courses including but not limited to drawing, painting, sculpture, ceramics, textiles, and metal. They will be introduced to art in history and cultural contexts. As a result of their learning, students will be able create two- and three-dimensional art pieces, understand and apply the basic elements of art and principles of design, as well as understand and use basic art vocabulary.

ART STUDIO II

Students will produce two-dimensional art in the form of drawings, paintings, and other designs using a variety of art mediums including but not limited to pencil, inks, chalk, oil pastels, papers, found materials, watercolor and other paints. As a result of their learning, they will be able to apply basic drawing skills and techniques, experience and apply basic painting techniques, and solve problems encountered in the creative process. They will be able to describe and write about their work using the correct vocabulary.

ART STUDIO III

Students will produce drawings, paintings, sculpture, printmaking, textiles, and other work using advanced skills and techniques. They will investigate artists, art history, and art in cultural contexts, as well as respond critically to their own work and work of others. As a result of their learning, students will be able to refine basic skills in mixed media, experience and apply painting techniques using acrylics and oils, as well as understand and apply advanced skills and techniques of various mediums used. They will be able to describe and write about their own work and the work of others.

ART STUDIO IV

Students will use refined skills to produce two- and three-dimensional art work. They will spend time critiquing their own work and that of others. Students will spend time working on materials for their portfolios. As a result of their learning, students will be able to master drawing, painting, sculpture and other design techniques, as well as practice and apply their work with mixed media. Students may explore their choice of mediums in-depth. This course may be taken more than one semester for credit with instructor permission.

CERAMICS I

Students will create three-dimensional clay pottery and sculpture using basic hand building and decorating techniques. They will learn how ceramics and sculpture relate to art, history and culture. As a result of their learning, students will be able to produce original art, as well as use the correct ceramics vocabulary to describe their work and the work of others.

CERAMICS II

Students will create three-dimensional clay pottery and sculpture using intermediate hand building and decorating techniques. They will also be introduced to basic wheel throwing techniques.

CERAMICS III

Students will create three-dimensional clay pottery and sculpture using advanced hand building, wheel throwing, and decorating techniques. They will understand the role of ceramics and ceramic artists in art history. As a result of their learning and advanced skills, students will be able to produce increasingly sophisticated original art. They will be able to respond critically to their work and that of others. They may explore the process of their choice in-depth during much of the course time. This course may be taken more than one semester for credit with instructor permission.

CERAMICS IV

This class is an advanced studio course designed for highly motivated students who have demonstrated mastery of fundamental and intermediate ceramics techniques and wish to pursue an independent, artist-driven body of work. This capstone-level course emphasizes personal expression, conceptual development, and professional studio practice. Students will design and execute self-directed projects that explore advanced hand-building, wheel-throwing, and surface design techniques. They will research contemporary ceramic artists, experiment with glaze formulation, and refine their craftsmanship through iterative studio practice. Students are expected to develop a cohesive portfolio that reflects their artistic voice and technical growth.

JEWELRY & METALS I

Students will be introduced to basic fabrication and forming processes using metal and wire. As a result of their learning, students will be able to create works of art such as jewelry and metal sculptures, use tools safely and correctly, as well as understand and use the correct vocabulary relative to jewelry processes and tools.

JEWELRY & METALS II

Students will be introduced to advanced fabrication and casting processes in metal and wax, with a strong emphasis on design layout and craftsmanship. As a result of their learning, students will be able to create increasingly sophisticated works of art such as jewelry and metal sculptures, understand the role jewelry and metal plays in art history and culture, as well as increase their skills. They will be able to describe their own and others' work. This class may be taken more than one semester for credit with instructor permission.

PHOTOGRAPHY I

Students learn the basics of Digital Photography including how to use a Digital Camera and digital imaging software for processing digital photographs. They will also learn about the History of Photography, famous photographers, photographic composition and the elements and principles of design. Additionally, this class covers the processes and industries that create, develop and produce products using or incorporating words or pictorial images to convey information, ideas and feelings. Students will learn the fundamentals of product planning and layout, design software; graphic arts photography; and career employability skills and have exposure to careers in graphic design. Students are encouraged to have their own Flash drive or SDHD card.

PHOTOGRAPHY II

Students will learn advanced Digital Photography including multiple photography genres, advanced editing, and photographic processes. They will also learn about the History of Photography, famous photographers, photographic composition and the elements and principles of design as they relate to culture. Students will gain an in-depth knowledge of advanced camera settings using professional level digital cameras. This new learned knowledge will be used to generate work that exhibits a professional quality of a career photographer. Students are encouraged to have their own DSLR camera, Flash drive or SDHD card.

BUSINESS COURSES

COURSE NUMBER	COURSE NAME	CREDITS	GRADE LEVEL	PREREQUISITE	MEET REQ. OF:
45832S	Personal Finance	0.5	9 - 12		SMA, VPA
45671S	Building Wealth	0.5	9 - 12	Personal Finance is recommended	SMA, VPA
455120	Accounting	1.0	10 - 12	Personal Finance &/or Building Wealth is recommended	CC, SMA
45543S	Business Management	0.5	10 - 12		CC, VPA
45533S	Entrepreneurship	0.5	11 - 12	Marketing is recommended	CC, SMA, VPA
45821S	Insurance Career Exploration	0.5	11 - 12		
45871S	Real Estate Licensing Prep	0.5	12	Personal Finance	
45842S	Social Media Marketing	0.5	9 - 12		VPA
477010	Marketing	1.0	9 - 12		CC, VPA
477120	Advanced Marketing	1.0	10 - 12	Marketing	CC, SMA, VPA
477220	Retailing	1.0	10 - 12	Marketing	CC, SMA, VPA

PERSONAL FINANCE

Personal Finance helps students understand the financial activities they will likely encounter in life after high school. Course topics include the purpose of credit, saving and investing (stocks, mutual funds, bonds, real estate), the time value of money, loans (car, mortgage), renting vs. owning, financing college, income taxes, identity theft, insurance, career exploration and stock market portfolio simulation. Through multiple projects, students make connections between life and finance, with an emphasis on decision-making. In addition, students develop an appreciation for types of financial service providers and financial markets. Students will have an opportunity to compete in DECA (not required) with the preparation they receive in this course. Course credit may be applied to fourth year math requirement.

BUILDING WEALTH

This course focuses on direct investment in the stock market along with a more detailed discussion of investment opportunities such as real estate and bonds. Students will come away from the course with enough basic investment knowledge to understand the need for investments, the value of investing regularly and for the long run, and the importance of beginning to invest now. Other course topics include the concepts of accounting and finance in corporate setting, budgets, cost-benefit analysis, fundamental stock analysis, careers in finance exploration, and a stock market portfolio simulation. Students will have an opportunity to compete in DECA (not required) with the preparation they receive in this course. Course credit may be applied to fourth year math requirement.

ACCOUNTING

This course is recommended for college-bound students who might consider the business field as a major and students who will be entering the work force upon graduation. This course introduces the student to finance and accounting principles that are applied to accounting records kept for businesses in the private enterprise economy of the United States. An emphasis on high-level financial analysis, accounting principles, wealth creation strategies, and market variables will be explored. Course credit may be applied to fourth year math requirement.

BUSINESS MANAGEMENT

This course is designed to be an overview of the major functions of management. Students will be provided with a critical understanding of how business organizations work and are managed – their goals, strategies, structures, technologies, environments, and the motivations and interests of people involved. In addition, students will study careers in management, ethics, laws, decision-making skills, and communication skills.

ENTREPRENEURSHIP

Entrepreneurship is a course that focuses on small business – the backbone of America. Students will create a complete business plan for a small business of their choice. The course is very interactive and hands-on. It includes field trips and guest speakers. Students walk away from this course with a solid understanding of what it takes to run a small business. This course involves a good deal of writing, research and math. This course is ideal for both the student who has never had a business course but want to get an idea of what it's all about, and for the student who has taken several marketing/finance courses but wants to explore entrepreneurship further. DECA membership is strongly encouraged. Course credit may be applied to fourth year math requirement.

INSURANCE CAREER EXPLORATION

This course will focus on insurance education and career preparation in the classroom. Through this exciting interactive program, a hands-on approach to help your students understand how to shop for insurance and establish marketable skills for those who choose the insurance industry as a career will be delivered.

REAL ESTATE LICENSING PREP

This course will deliver the 40-hour Pre-Licensure prep course curriculum requirement for the State of Michigan Real Estate Salesperson Exam. Students will earn a certificate of completion and will be eligible to sit for the State Licensing Examination upon turning 18 years old. Topics include, but are not limited to, property ownership, land use control and regulations, valuation and market analysis, financing, laws of agency, mandated disclosures, contracts, practice of real estate, real estate calculations, duties and powers of the Department and Board, statutory requirements, governing licensee activities, transferring property, specialty areas and various State topics.

SOCIAL MEDIA MARKETING

Become a social media strategist – one of the hottest career trends in technology and marketing. Explore the purpose of web sites and social media as marketing tools, create and implement digital communication plans, identify and evaluate metrics to determine adjustments to digital communication plans. This course is ideal for students interested in a career in business, marketing, or technology. Most of the semester will be spent working with a local business to help improve their social media presence.

MARKETING

This course content explores the roles of marketing foundations and functions and the role they play in the free enterprise system. All marketing programs follow the guidelines set by the Michigan Model Marketing Education Program and are eligible to earn college articulation credit. All marketing students are required to be members of DECA, a Career and Technology Student Organization, which will provide opportunity for leadership development conferences, state and national competition, and travel to real world business settings in order to aid in professional development, professional network and resume building. Students will also complete the MMC Requirements for Economics in this course as well as learning about the way that external factors including consumer spending, global competition, and more impact business.

ADVANCED MARKETING

This is a project-based course using material learned in Intro to Marketing & Business Economics. Students will engage in detailed studies of businesses and/or projects in areas of their interest and choosing. Social Media, Advertising, International Marketing, Sports and Entertainment Marketing, Management, Marketing Research and more will all be explored. Students will complete group or individual projects dealing with real life business situations and will use these for DECA State competitions. All students will be members of DECA and will have the opportunity to compete using their projects with students from around the state and country. College articulation credit is possible for this class.

RETAILING (School Store)

Retailing covers retail business operation. Students will learn retailing theory, communications, and skills in human relations. Students apply retail and marketing skills in daily school store operations using current technology and economic opportunities. All retailing students are required to be members of DECA, a Career and Technology Student Organization, which will provide opportunity for leadership development conferences, state and national competition, and travel to real world business settings in order to aid in professional development. Course credit may be applied to fourth year math requirement.

COMPUTER SCIENCE & TECHNOLOGY COURSES

COURSE NUMBER	COURSE NAME	CREDITS	GRADE LEVEL	PREREQUISITE	MEET REQ. OF:
45821S	Business Technology	0.5	9 - 12		VPA
45621S	Digital Content Development	0.5	9 - 12		VPA
45612S	Web Design	0.5	9 - 12		SMA, VPA
45802S	Introduction to Programming	0.5	9 - 12		SMA, VPA
45861S	AP Computer Science Principles	1.0	10 - 12	Intro to Programming is recommended	CC, SMA, VPA
455130	AP Computer Science A	1.0	10 - 12	AP Computer Science Principles or equivalent programming experience	CC, SMA, VPA
474730	Cyber Security & Computer Networking*	2.0	11 - 12		CC, SMA, VPA
49951S	Technology Application	1.0	10 - 12	Administrative Approval	

BUSINESS TECHNOLOGY

This introductory course is intended for any student to increase their computer competency using applications that are used daily in the business world. Students will learn business applications using Microsoft Office Suite (Word, Excel, Access, and PowerPoint) to develop proficiency in document organization, construction and analysis of spreadsheets, creation and maintenance of databases, and multimedia presentations. Review and instruction of keyboarding technique will also be incorporated and practiced within the course. Skills are taught and practiced using business scenarios and training tools to allow students to prepare for future college and career plans. If desired, students can earn industry certification through the opportunity to take one of the Microsoft Office Certificate industry standard tests.

DIGITAL CONTENT DEVELOPMENT

Students will learn the skills to combine text and graphics to produce documents that effectively communicate the purpose of the publication. This one semester course will help to develop skills in digital media and utilize professional grade software such as Adobe Creative Cloud's Photoshop, InDesign and After Effects. Students will produce professional level publications for marketing and advertising campaigns, and create personal logos to produce a digital portfolio of their work.

WEB DESIGN

One of the hottest career trends for today's young marketing major is the often-underappreciated yet up-and-coming role of business social media strategist. A solid social media strategy begins with an outstanding website. Learn the principles of effective web design using HTML, CSS, and web design principles. Course credit may be applied to fourth year math requirement.

INTRODUCTION TO PROGRAMMING

This course is an introduction to programming and is a perfect course for any student who has an interest in computers, technology, or programming. Novices welcome! If you would you love to get involved with computer programming, digital media, or other types of cutting-edge technology, look no further, because Introduction to Programming is the class for you. Solve problems using a variety of technology by developing Apps, designing and creating games, and investigating a variety of user-friendly programming languages. Receive an introduction to the endless possibilities of technology in this semester long course. Course credit may be applied to fourth year math requirement.

AP COMPUTER SCIENCE PRINCIPLES

This course covers the broad fundamentals of computer science and its impact on people, society, and innovation at a broad level. Course topics include: algorithms, abstraction, elementary logic, generating and analyzing computational artifacts, digital security and privacy, computer networks, data encoding, creative and ethical computing, and using programming languages to develop computational artifacts. This course focuses on using technology and programming as a means to solve computational problems and create exciting and personally relevant artifacts. This course is ideal for all students because it will enable them to understand the impacts of technology on our society, economy and culture. Computer Scientists working in the field say “this is the fundamental, big picture course I wish I would have had at the beginning”. It is particularly beneficial for students interested in pursuing a career in any technological field including engineering and computer science. While “Introduction to Programming” is strongly recommended before this course, no prior knowledge of computer science is necessary. Course credit may be applied to fourth year math requirement.

AP COMPUTER SCIENCE A

The goals of the AP Computer Science A course are comparable to those in the introductory course for computer science majors offered in many college and university computer science departments. This course uses the Java programming language to introduce students to computer science with fundamental topics that include problem-solving, design strategies and methodologies, data structures, approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design. Students who complete this course will have a solid understanding of computer programming. This course is ideal for students interested in pursuing careers in technology (including all disciplines of engineering) and for students who will major in other disciplines and want to be informed citizens in today’s technological society. Completion of Introduction to Programming or instructor approval is a prerequisite to this course. Course credit may be applied to fourth year math requirement.

CYBER SECURITY & COMPUTER NETWORKING* (**A Livingston County Shared Time Program*)

This course articulates for 8 college credits at Washtenaw Community College and students can earn industry-recognized certifications. Cybersecurity is the fastest-growing Information Technology area and employers desperately need qualified candidates to fill exciting, cutting-edge positions. We provide an interactive, hands-on introduction to the computer hardware, software, and networking skills needed to help meet the growing demand for entry-level information and communication technology (ICT) professionals. This course will enhance technical, communication, and problem-solving skills related to the study of Information Security and Information Assurance. Hands-on labs and virtual learning tools will help students develop critical thinking and complex problem-solving skills.

TECHNOLOGY APPLICATION

The focus of this class is to gain knowledge and assist staff on technology issues that arise in the classroom to aid in class instruction. The TECH Application class will promote technology and information literacy as well as critical thinking, problem-solving, and decision-making skills necessary for individuals to compete in our ever-changing global economy. This experience seeks to promote academic success by embedding technology tools and applications into the teaching and learning process rather than teaching the skills in isolation. This real-world approach allows the student to enhance the learning process, enrich the academic experience, and bestow students with the skills necessary to succeed though out life. Students become active participants in the learning process and learn to efficiently access, explore, apply, and synthesize information in our digital world.

HUMAN SERVICES COURSES

COURSE NUMBER	COURSE NAME	CREDITS	GRADE LEVEL	PREREQUISITE	MEET REQ. OF:
49170	Cadet Teaching 1	2.0	11 - 12		VPA
476940	Cadet Teaching 2	2.0	12	Cadet Teaching 1 or Early Childhood Education / Ed Careeres	
48071S	Fashion, Fabrics, & Construction	0.5	9 - 12		VPA
48131S	Advanced Fashion & Clothing Construction	0.5	10 - 12	3.0 or higher in Fashion, Fabrics, & Construction	VPA
48141S	Fashion Merchandising & Retailing	0.5	10 - 12	3.0 or higher in Adv. Fashion & Clothing Con.	VPA
48012S	Housing & Interior Design	0.5	10 - 12		VPA
48002S	Nutrition Education	0.5	9 - 12		VPA
48042S	Personal Living	0.5	11 - 12		SMA
48081S	Relationships & Families	0.5	9 - 12		

CADET TEACHING 1

This program focuses on the general theory and practice of learning and teaching. It includes instruction in the basic principles of educational psychology; the art of teaching; the planning and administration of educational activities; school safety and health issues; and the social foundations of education. Program will include cadet teacher placement in PreK-8 classrooms with a mentor.

CADET TEACHING II

This program focuses on more advanced theory and practice of learning and teaching. It builds off the cadet teaching 1 class and includes instruction in different platforms of teaching, special education differentiation and modifications, and lesson planning. Program will include cadet teacher placement in PreK-8 classrooms with a mentor.

FASHION, FABRICS, & CONSTRUCTION

Students will be introduced to fashion design, sewing methods, textile vocabulary, recognize construction techniques, identify fabrics and weaves, demonstrate correct sewing machine operation, hand sewing techniques such as mending clothing as well as proper drawing in terms of fashion design. The history of fashion is also studied as well as possible careers in the fashion industry. This course is an excellent choice for those planning to pursue a career in textile, costume, and/or fashion design.

ADVANCED FASHION & CLOTHING CONSTRUCTION

This course will use a variety of equipment, tools, and techniques to build on the knowledge from the introductory fashion class. Students will learn about apparel and textile construction, alteration and repairs, as well as advanced sewing techniques. In this class there is an opportunity to create fashion construction projects for FCCLA State Competitions.

FASHION MERCHANDISING & RETAILING

This course emphasizes marketing and retailing strategies within the fashion industry for apparel and textile products while assessing costs. Students will also explore retailing and advertising methods for promotion within the fashion industry. The students will also complete a fashion and textile portfolio for possible college opportunities. This class offers the opportunity to create an apparel line for FCCLA State Competitions.

HOUSING & INTERIOR DESIGN

This course introduces students to the concepts of living environments throughout the world with a central focus on this country. Past and future housing is explored, but practical experience with today's living possibilities is stressed. Color, texture, design, layout, and personal and psychological needs are examined. Basic drafting skills are taught with an accent on interior living space.

NUTRITION EDUCATION

Students enrolled in Nutrition Education will be provided with an overview of good nutrition principles that are necessary for physical and mental wellness for a long, healthy life. Instructional materials include discussions of basic nutrients, weight management, sports and fitness, and life-span nutrition. This course emphasizes an understanding of today's food and eating trends and gives students the capability to intelligently evaluate all available sources of nutrition information for making informed decisions. The interrelationship of nutrition and food are key components of the curriculum. The combined cooking labs stress the importance of teaching cooperation, team building, healthy food choices, and time management.

PERSONAL LIVING

The step from high school into an adult living style is the curriculum of this course. It is comprised of the basic skills needed for independent living as an adult working person or college student. Topics include establishing values and goals, finding a job or choosing a college, managing finances including a paycheck, taxes, everyday expenses, banking, and the legal system. Course credit may be applied to fourth year math requirement.

RELATIONSHIPS & FAMILIES

In this course students will analyze factors that influence human development while demonstrating the characteristics of a nurturing family along with social and emotional well-being. This class explores all aspects of life: personality development, health, communication, relationships with family and friends, spouse selection, marriage, parenting, balancing work and family, handling crises, and aging. Students will be required to work cooperatively in groups, discuss topics in both small and large group format, research information, use technology, prepare presentations as well as read and evaluate articles related to relationships.

LANGUAGE ARTS COURSES

COURSE NUMBER	COURSE NAME	CREDITS	GRADE LEVEL	PREREQUISITE	MEET REQ. OF:
410011	English 9 A	0.5	9		NCAA
410012	English 9 B	0.5	9		NCAA
410110	Honors English 9	1.0	9	3.0 or higher in English 8	NCAA
410221	English 10 A	0.5	10	English 9 or Honors English 9	NCAA
410222	English 10 B	0.5	10	English 10 A	NCAA
410420	Honors English 10	1.0	10	English 9 or Honors English 9	NCAA
414911 414911B	English 11 A	0.5	11	English 10 or Honors English 10	NCAA
414912 414912B	English 11 B	0.5	11	English 11 A	NCAA
411240	AP English Language & Composition	1.0	11	English 10 or Honors English 10, *also see description for recommendations	CC, NCAA
41641S 41641SB	English 12 A	0.5	12	English 11 or AP Language	NCAA
41651S 41651SB	English 12 B	0.5	12	English 12 A	NCAA
413330	AP Literature & Composition	1.0	12	English 11 or AP Language	CC, NCAA
41671S	Popular Literature	0.5	9 - 12		NCAA
41093S	Creative Writing	0.5	9 - 12		NCAA, VPA
47191S	Advanced Creative Writing	0.5	10 - 12	Creative Writing	NCAA, VPA
41681S	Literature & Film	0.5	9 - 12		
41711S	Mythology	0.5	9 - 12		NCAA
4161S	Intro to Journalism	0.5	10 - 12		NCAA, VPA
41161S	Advanced Journalism	0.5	10 - 12	Intro to Journalism	VPA
411820	Writing for Publications: Yearbook	1.0	10 - 12	B or higher in English	VPA
41191S	Public Speaking	0.5	9 - 12		NCAA, VPA
41212S	Debate I	0.5	9 - 12		NCAA, VPA
41341S	Theatre Performance	0.5	9 - 12		VPA
41351S	Advanced Theatre	0.5	9 - 12	Theatre Performance	VPA
41811S	Grammar	0.5	9 - 12		

ENGLISH 9 A & B

This course will include the study of short stories, poetry, drama, nonfiction, and the novel. Basic composition skills will emphasize sentence and paragraph structure along with the writing of the essay. Spelling, vocabulary, and grammar will be emphasized.

HONORS ENGLISH 9

The Honors English 9 course provides an overview of genres similar to English 9 (short story, novel, poetry, drama, epic poetry, and literary non-fiction); however, the text selection is at a more complex reading level, and it is expected that students accomplish more reading independently. The rigor of Honors English 9 encourages students to read and think critically while providing exposure to early Advanced Placement English concepts. Honors English 9 includes techniques of literary analysis, argumentation, research, documentation, and synthesis of materials. The curriculum develops student's informative and argumentative writing abilities while bolstering grammar adeptness and expanding vocabulary.

ENGLISH 10 A & B

The course offers a blend of classic and contemporary works from authors of diverse backgrounds. Thus, students will be exposed to a wide variety of authors and this course places a heavy emphasis on a variety of writing skills (Narrative, Informative, and Argumentative). Students should expect a rigorous, challenging, active experience in the course.

HONORS ENGLISH 10

Like English 10, this course offers a blend of classic and contemporary works from authors of diverse backgrounds. Honors English 10 will pursue Advanced Placement topics and increase the pacing of the course, but Honors English 10 is not an AP course. Students will be exposed to a wide variety of authors and this course places a heavy emphasis on a variety of writing skills (Narrative, Informative, and Argumentative). Students should expect a rigorous, challenging, active experience in the course.

ENGLISH 11 A & B

This course is designed to give students the skills needed when entering college, as well as technical writing skills and strategies utilized in the high school curriculum. Different genres of writing will include: narrative, literary and rhetorical analysis and research based informative writing. There is an emphasis on mechanics, conventions and in-context vocabulary usage. The four principles of writing: unity, support, coherence and sentence structure are also addressed as a foundation of writing. Students will be able to read, analyze and comprehend fiction and nonfiction texts. Readings will consist of student choice novels, short stories, articles, speeches, poetry, fiction and nonfiction books. There is also a focus on SAT preparation in the areas of writing, reading, grammar and mechanics.

ADVANCED PLACEMENT ENGLISH LANGUAGE & COMPOSITION

The AP English Language and Composition course focuses on the development and revision of evidence-based analytic and argumentative writing, the rhetorical analysis of nonfiction texts, and the decisions writers make as they compose and revise. Students evaluate, synthesize, and cite research to support their arguments. Additionally, they read and analyze rhetorical elements and their effects in nonfiction texts—including images as forms of text—from a range of disciplines and historical periods. The AP English Language and Composition course aligns to an introductory college-level rhetoric and writing curriculum. Students should be able to read and comprehend mature, college-level texts and write grammatically correct, complete sentences. It is recommended that students have shown strong performance in English by maintaining an A or B in Honors 10, or an A or A- in English 10 and a Proficient Reading score on the PSAT 10.

ENGLISH 12 A & B

This course consists of coursework that represents the culmination of reading, writing, and literacy skills to be accomplished in the HHS English Language Arts program. Students will be asked to apply their learned skills in argumentative, informative, and narrative writing. They will further their ability to be critical thinkers and literary connoisseurs. There will be an emphasis and focus on college preparation and the ability to read and write for college.

ADVANCED PLACEMENT LITERATURE & COMPOSITION

Advanced Placement Literature will help students develop the skills to accomplish the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, the students will deepen their understanding of the way writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style, and themes as well as such elements as the use of figurative language, imagery, symbolism, and tone. The course includes intensive study of representative works from various genres and periods, concentrating on works of recognized literary merit. This course may qualify the student for college credit upon successful completion of the College Board's Advanced Placement test given in May (at a cost to the student).

POPULAR LITERATURE

This class focuses on literature chosen by the student to read. It follows a student-centered model using the literature circles to discuss and respond to their reading. Emphasis will be on books in popular culture recently published across various genres. The course will have whole group and small group exploration of different student-selected novels. Students will write reflections periodically to deeper analyze the genre of the novel. This class is for anyone who likes to read.

CREATIVE WRITING

Do you have a passion for writing? This class is a chance for students to fuel that passion through the creation of an online writing portfolio. Run as a writing workshop, this class allows students to design writing projects based around individual writing interests, allowing students to improve upon their writing craft. Individual projects could include, but are not limited to: poetry collections, short stories, novellas, plays, screenplays, and memoir. Through the use of mini lessons, conferencing with the teacher and peers, and provided time in class to both write and read, students will work towards achieving individualized writing goals. A willingness to share one's writing is an expectation of the course, both with teachers and peers, as well as participation in an "outside the classroom walls" writing activity such as entering a writing contest, publishing work, or sharing work with an audience. Students may take this course more than once. While rigorous, writers both new and experienced will benefit from the opportunity to fine tune their craft in this class.

ADVANCED CREATIVE WRITING

This class is a chance for students passionate about writing to continue the work started in Creative Writing. Run like a writer's group, students will work on independent projects and then share with their peers for critique. All students will be expected to submit to one or more writing publications over the course of the semester. Students will also be expected to experiment in a variety of writing forms and participate in class writing exercises in addition to individual writing endeavors. A strong desire to improve one's writing craft is essential for success in this class.

LITERATURE & FILM

This semester-long course is for students who enjoy reading novels and watching movies. This course will focus on the adaptation of literary texts into film texts and will examine the relationship between the two mediums. Students will read many carefully selected novels and then watch the movie adaptations of those novels, looking at similarities and differences and the implications of those comparisons. The focus of this class will be on learning both critical reading and viewing skills.

MYTHOLOGY

Even in the modern, technological world of today, mythology is all around us. Sometimes, its influence on culture is crystal clear, but more often than not, ancient mythology's effects on society today go unnoticed by the untrained eye. The purpose of this course is to give you a greater insight into the mythology and storied cultures of the world. We pay particular attention to the similarity of myths cross-culturally and the evolution of stories as they change to fit lessons of the modern age. In doing so, you will attain a sharper eye for identifying modern mythology, allowing you to become an active participant in shaping your own story (or myth, if you will).

INTRO TO JOURNALISM

This class is designed to teach students the skills necessary to communicate in print media today, emphasizing writing, including interviewing, observing, reporting, reacting, and synthesizing. Students will discover and explore various forms of writing utilized in journalism. Ethics, law, and responsibility will also be discussed and applied to real-life situations. Students must be comfortable in weekly reporting and presenting the information.

ADVANCED JOURNALISM

This class will focus on applying the foundational skills taught in Intro to Journalism. A continuation of interviewing, higher-level communication skills, and advanced headline, feature, and caption writing. Advanced skills such as interpretation, analysis, creativity, photography, and design will be developed in this laboratory setting. A team-like environment with designated roles will be incorporated with creating a webpage and/or podcast and will be a class requirement.

WRITING FOR PUBLICATIONS: YEARBOOK

This course will focus on the writing of stories, advertising copy, captions, text, and folio geared towards publications. In Yearbook, students will learn how to communicate better, how to solve problems, how to grow as a leader, how to handle time management, and most importantly, how to meet a deadline. Students will also learn design practice advertising, page layout & design, photography, and business practices. The class project will culminate in the publication of the Hartland High School Yearbook.

PUBLIC SPEAKING

Demonstrative, persuasive, argumentative, informative, and impromptu speeches will be studied and delivered in this course. The importance of organization, logic, and oral expression will be emphasized.

DEBATE I

This course is a study of oral argumentation and communication skills. The class will stress critical thinking, research, organized writing and public address speaking skills. Public Speaking class is recommended prior to taking this course, but is not required.

THEATRE PERFORMANCE

In this hands-on course, students will study and practice the basic tenets of theatre, including both onstage and backstage aspects of a production. Students will be assessed on individual, partner and group work and will create a portfolio which demonstrates their growth throughout the semester. The culmination of the course will consist of a class production performed before an audience.

ADVANCED THEATRE

In this course, students will continue developing the skills learned in Theatre Performance. While the emphasis will remain on acting, students will also start learning the art of directing. In addition, students will continue learning about production elements such as costumes, set, props, and makeup design while creating original performance pieces. Students should expect to perform some of their work before an audience.

GRAMMAR

This one-semester English grammar class provides an analytical overview of English grammar and sentence patterns. Students will explore the fundamental elements and rules of English grammar for the purpose of strengthening their abilities to communicate effectively with confidence and clarity. Students will become effective editors of their own writing and gain appreciation for how knowledge of grammatical principles and precision enhance individual writing style and choice. The course focuses on students' mastery of sentence structure and meaning. Short written assignments encourage students to apply and test their progress. Brief readings offer illuminating approaches to English usage, style, and syntax.

MATH COURSES

COURSE NUMBER	COURSE NAME	CREDITS	GRADE LEVEL	PREREQUISITE	MEET REQ. OF:
	Algebra I Accelerator	0.5	9	Recommendation for Placement	
44331S	Algebra I A	0.5	9		NCAA
44341S	Algebra I B	0.5	9	Algebra I A	NCAA
	Geometry Accelerator	0.5	10	Recommendation for Placement	
44351S	Geometry A	0.5	9 - 10	Algebra I B	NCAA
44361S	Geometry B	0.5	9 - 10	Geometry A	NCAA
440710	Honors Geometry	1.0	9 - 10	Algebra I	NCAA
	Algebra II Accelerator	1.0	11	Recommendation for Placement	
44431S	Algebra II A	0.5	10 - 12	Geometry B	NCAA
44441S	Algebra II B	0.5	10 - 12	Algebra II A	NCAA
440920	Honors Algebra II/Trig	1.0	10 - 11	Geometry or Honors Geometry	NCAA
44841S	Algebra III A	0.5	12	Algebra II B	NCAA
44842S	Algebra III B	0.5	12	Algebra III A	NCAA
441131	Introductory Statistics A	0.5	11 - 12	Algebra II	NCAA
441132	Introductory Statistics B	0.5	11 - 12	Introduction to Statistics A	NCAA
441231	Analysis of Functions A	0.5	11 - 12	Algebra II (2.0 or above is recommended)	NCAA
441232	Analysis of Functions B	0.5	11 - 12	Analysis of Functions A	NCAA
448930	AP Precalculus	1.0	11 - 12	Algebra II	CC, NCAA
44581S	Calculus A	0.5	11 - 12	Honors Alg II/Trig or Pre-Calc	NCAA
44591S	Calculus B	0.5	11 - 12	Calculus A	NCAA
441340	AP Calculus AB	1.0	11 - 12	Honors Alg II/Trig or Calculus	CC, NCAA
446910	AP Calculus BC	1.0	12	AP Calculus AB	CC, NCAA
441430	AP Statistics	1.0	12	Algebra II, *also see description for recommendations	CC, NCAA

*NOTE: The TI-83plus or the TI-84plus calculators are used as tools for course work in all math classes at Hartland High School. We provide this information for your convenience in the event that you wish to purchase one for your student.

ALGEBRA I ACCELERATOR

This course will provide students with a “head start” in their Algebra I course by exposing them to algebraic concepts before they are taught in the Algebra I class. This will enhance a student’s ability to process and grasp the concepts in their regular Algebra I course. Students will be invited and hand selected to participate in the accelerator course.

ALGEBRA I A & B

This course is a traditional study of mathematics with a good blend of integration. The lessons will be integrating algebra with geometry and statistics. The students will be using technology with the study of traditional mathematical concepts. Real life situations will be visited and students will be expected to communicate solutions verbally and in written form.

GEOMETRY ACCELERATOR

The Geometry Accelerator course utilizes strategies that expose students to the concepts that they will see in their Geometry course prior to the concepts being taught in their Geometry class. Using this pre-teaching approach, students who have traditionally struggled to learn geometric content or lacked confidence in their geometry class, no longer struggle. Students in Geometry Accelerator will take the course concurrently with their regular Geometry course. As the students are present in the Geometry class, they will be introduced to content 1-3 days ahead of the regular course. The goal is that this course will help struggling students remain successful in their Geometry class, and provide them with confidence to engage in Geometry work.

GEOMETRY A & B

This is a two-semester course designed to develop logical thinking and an appreciation of the form and relationship of objects in the plane and space. Work is continued with algebraic equations and formulas.

HONORS GEOMETRY

This course includes an in-depth study of the forms and relationships of objects in the plane and space. It is designed to develop thinking, reasoning, and logic skills through organized, sequential, and systematic approaches to problem solving. Work is continued with algebraic equations and formulas.

ALGEBRA II ACCELERATOR

This course utilizes strategies that expose students to the concepts that they will see in their Algebra II course prior to the concepts being taught in that class. Using this pre-teaching approach will enhance a student's ability to process and grasp the concepts in their regular Algebra II course. Students in Algebra II Accelerator will take the course concurrently with their regular Algebra II course.

ALGEBRA II A & B

This course is designed for college and career bound students. The content of Algebra II is organized around families of functions, including linear, quadratic, exponential, logarithmic, radical and rational functions. Students will be expected to represent these functions as equations, tables and graphs in verbal and written form. Real-world examples will be visited, as well as, exploring the functions of the graphing calculator.

HONORS ALGEBRA II/TRIG

This course includes a brief review of Algebra I and continues with deeper insight into the concepts of arithmetic and geometric sequences, exponentiation, imaginary numbers, arithmetic and logarithmic functions, trigonometry, and matrices. This class is designed for the honor student. It is a rigorous, fast-paced course covering Algebra II and trigonometry in one year. Students taking this course must be able to grasp math concepts quickly.

ALGEBRA III A & B

This senior-level math course is designed for students who plan to pursue a trade school, apprenticeship, college, or university and are committed to strengthening their mathematical skills for postsecondary success. The course blends practical, real-world applications—including applied geometry, probability and risk analysis, measurement and scaling, data literacy, and basic financial modeling—with a focused review of algebra, geometry, and trigonometry concepts essential for career readiness and college placement. Through project-based learning and targeted skill reinforcement, students develop problem-solving abilities, critical thinking, and quantitative reasoning in a supportive, challenging environment. This course maintains high expectations to prepare students effectively for their next steps, ensuring they gain both practical and academic math skills aligned with their future goals.

INTRODUCTORY STATISTICS A & B

This is a college bound course for students who plan to pursue further training in math, science, psychology, research or business-related fields. Students will apply problem-solving skills to gain understanding in the main areas of data exploration, sampling and experimentation, anticipating patterns and statistical inference. A graphing calculator is highly recommended for this course.

ANALYSIS OF FUNCTIONS A & B

This course is designed for students who intend to take AP Pre-Calculus, Calculus, Intro to Statistics, or AP Statistics in their senior year, as well as those who want to strengthen their algebraic and functional reasoning skills before taking college-level math. Students will explore a variety of functions (linear, quadratic, polynomial, exponential, logarithmic, rational, and trigonometric) and analyze their characteristics. Emphasis will be placed on representing functions graphically, analytically, and numerically; interpreting transformations; and modeling data using functions and regressions. The course reinforces key algebraic concepts while preparing students for advanced study in mathematics. Successful completion of Algebra II with a 2.0 or higher is recommended.

AP PRECALCULUS

This course is designed to be the equivalent of a first semester college precalculus course and prepares students for future college level math and science classes. Topics focus on the field of functions that model dynamic phenomena, including polynomial, rational, exponential, logarithmic, trigonometric, and polar functions. Students will study these functions through graphical, numerical, analytical, and verbal representations while demonstrating clear communication using the mathematical practices of procedural and symbolic fluency. It is recommended that students earn a minimum of 3.0 in Algebra II. This course is designed for students ready for the rigor and workload of an AP class but would like to further develop their algebraic skills before taking calculus or beyond. This course may qualify students for college credit upon successful completion of the College Board's Advanced Placement test given in May (at a cost to the student).

CALCULUS A & B

This is a course in introductory calculus with elementary functions. It is intended for students who have a thorough knowledge of college preparatory mathematics, including algebra, geometry (rectangular coordinates, equations and graphs, lines and conics). The main topics include: limits and continuity, derivatives, applications of the derivative, integrals, applications of the integral, and techniques of integration. A more hands on approach will be taken in this course than in AP Calculus. Students are **not** expected to take the AP Exam upon completion of this course.

ADVANCED PLACEMENT CALCULUS AB

This is a course in introductory calculus with elementary functions. It is intended for students who have a thorough knowledge of college preparatory mathematics, including algebra, axiomatic geometry, trigonometry, and analytic geometry (rectangular and polar coordinates, equations and graphs, lines and conics). The main topics include: limits and continuity, derivatives, applications of the derivative, integrals, application of the integral and techniques of integration. This course will be limited in numbers based upon application and teacher recommendations. This course may qualify the student for college credit upon successful completion of the College Board's Advanced Placement test given in May (at a cost to the student).

ADVANCED PLACEMENT CALCULUS BC

This is a full-year course in the calculus of functions of a single variable. It includes all topics covered in AP Calculus AB plus many additional topics. AP Calculus BC is an extension of the AP Calculus AB course. Both courses represent college-level mathematics for which most colleges grant advanced placement and credit. The content of AP Calculus BC is designed to qualify the student for placement and credit in a course that is one course beyond that granted for AP Calculus AB. Students will review and extend their knowledge of algebra, geometry, trigonometry, calculus, and other areas as appropriate for contest preparation. Students study differentiation, integration, and other calculus topics. This course may qualify the student for college credit upon successful completion of the College Board's Advanced Placement test given in May (at a cost to the student).

ADVANCED PLACEMENT STATISTICS

This is a full-year, introductory college-level statistics course that introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students cultivate their understanding of statistics using technology, investigations, problem solving, and writing as they explore concepts such as variation and distribution; patterns and uncertainty; and data-based predictions, decisions, and conclusions. Students signing up for this course should have above average reading comprehension skills, strong reasoning skills, good communication skills (i.e. showing your work in extreme detail and summarizing your conclusions), and a good work ethic. This course may qualify students for college credit upon successful completion of the College Board's Advanced Placement test given in May (at a cost to the student). A graphing calculator is highly recommended for this course. It is recommended that students earn a minimum 3.7 in Algebra 2 or 3.0 in H-Algebra II/Trig as well as a recommended minimum of 3.0 in previous English classes.

MUSIC COURSES

COURSE NUMBER	COURSE NAME	CREDITS	GRADE LEVEL	PREREQUISITE	MEET REQ. OF:
45631SA	Music Exploration	0.5	9 – 12	Recommended for Placement	VPA
46751S	Guitar I	0.5	10 - 12		VPA
46752S	Guitar II	0.5	10 - 12	Guitar I	VPA
466610	Concert Choir	1.0	9		VPA
466710	Eagles Choir (Treble)	1.0	10 - 12		VPA
466810	Treble Chorus (Treble)	1.0	10 - 12	Audition	VPA
467910	Basso Chorus II (Tenor/Bass)	1.0	9 - 12		VPA
466910	Avis Choralis (Treble)	1.0	9 - 12	Audition	VPA
468210	Chamber Choir (SATB)	1.0	10 - 12	Audition	VPA
467010	Cadet Band	1.0	9 - 12		VPA
467110	Concert Band	1.0	9 - 12	Audition	VPA
467210	Symphonic Band	1.0	9 - 12	Audition	VPA
467310	Wind Symphony	1.0	9 - 12	Audition	VPA
467410	Jazz Ensemble (8 th Period)	1.0	9 - 12	Audition	VPA

Music courses are one-year courses open to 9th through 12th grade students. Auditions are NOT required for the following courses: Beginning Guitar, Cadet Band, Concert Choir, Eagles Chorus, and Basso Chorus II (Boys).

Band and Choir can be taken all four years with students still meeting all graduation requirements.

MUSIC EXPLORATION

This class provides a thorough exploration of music through multiple genres and mediums. Students will explore music making, music listening, critical reflection, instruments of the orchestra, a variety of musical styles, and playing skills. This hands-on course offers opportunities for students to engage in music from past to present and build skills to enjoy music throughout the rest of their life.

GUITAR I

This class will be one semester of guitar instruction beginning with the basics. Concepts include: getting started; basic music theory; tuning; string names; guitar chords; notes on each string; ensemble playing; individual playing. This class will look at some of the more prominent professional guitar players of the past and present. Students will be graded on tests of playing, written material, and short performances for the rest of the class. This class ends in a culmination of skills to show your peers. Students will be provided an acoustic guitar, or can use a personal acoustic guitar.

GUITAR II

This class will be one semester of guitar instruction building off of the basics taught in Guitar I. Tuning, string names, a strong emphasis on reading music, and music theory will be covered in depth. This class will look at songs in a variety of styles, music history, music theory, etc. Concepts taught in Guitar 2 include: playing melodically in positions up the neck; playing movable chord shapes up the neck; playing scales and extended chords in different keys; more right-hand studies; fingerpicking and pick style; improvisation in positions up the neck. Students will be graded on tests of playing, written material, and short performances for the rest of the class. Music is available for duets, trios, and quartets. This class is for acoustic guitars provided by the school, or a personal guitar.

HIGH SCHOOL CHOIR

(Avis Choralis, Basso Chorus, Treble Chorus, Eagles Choir, Concert Choir, and Chamber Choir)

All choirs learn to sing music in languages such as: English, French, Latin, Italian, German, and more. Music is selected for the ability of each group, and ranges from the medieval to present day. Students must understand that performing is a big part of these classes. There are four formal concerts, two informal, choir festival, and other possible performances for the community. Music theory, especially note reading and syllables for singing, will be covered. Grades are based on performance, attendance at concerts, music theory, and improvement. Auditions are not required. **Performances are mandatory and are part of the grade.**

HIGH SCHOOL BAND (Wind Symphony, Symphonic Band, Concert Band, and Cadet Band)

The Wind Symphony, Symphonic Band, Concert Band, and Cadet Band all perform concert music, including: marches, overtures, novelty pieces, from classical to jazz styles. High standards of musicianship are expected for all band levels. Performances, attendance, music theory and some history and playing tests all comprise the band grade. The Wind Symphony, Symphonic Band, Concert Band, and Cadet Band all make up the Eagles Marching Band, which performs and practices the first 10 weeks of the year. Marching Band Camp is required during the first week of August. During school, the band practices Wednesday and Friday from 2:20-4:30 (2:20-3:30 if you are in sports or drama) until the end of October. There is a cost associated with attending band camp. The band plays at home football games, some other games, and three parades during the year. **Performances are mandatory and are part of the class grade. The marching band physical education waiver states: Three consecutive years of high school marching band and passing grades in six consecutive semesters of band class will meet this requirement. Auditions are required for all groups.**

JAZZ ENSEMBLE

This group will study music literature of the big band era to modern swing and rock. Students will learn how to improvise and play in different styles. Also, music theory and some jazz history will be discussed. Performance opportunities include: concerts, big band dances, the middle school, and jazz festival in April. This group meets as an eighth hour from 2:20-3:30 P.M. on Monday, Tuesday, and Thursday. A student must make sure that they make no other commitments during these times. **Grades will be determined on a P/F basis. Performances are mandatory. Attendance, performance, theory and improvement are all a part of the grade. An audition is required. Students must be enrolled in a choir or band class during the regular school day in order to be eligible for Jazz Band.**

NOTE: Large instruments may not be permitted on the school bus. Therefore, other arrangements must be made to transport large instruments to and from school.

PHYSICAL EDUCATION COURSES

COURSE NUMBER	COURSE NAME	CREDITS	GRADE LEVEL	PREREQUISITE	MEET REQ. OF:
46001S	Health	0.5	9 - 12		
46011S	Fundamentals of Physical Education: Intro to Fitness & Sport	0.5	9 - 12		Physical Education Req. (see NOTE below)
46191S	Cardio Fitness	0.5	10 - 12		
46042S	Racquet Sports	0.5	10 - 12		
46171S	Recreational & Lifetime Activities	0.5	10 - 12		
46052S	Team Sports	0.5	10 - 12		
46211S	Sports Officiating	0.5	10 - 12	Fundamentals of Physical Education	
46032S	Strength & Conditioning	0.5	10 - 12		
46081S	Advanced Strength & Conditioning	0.5	10 - 12	Strength & Conditioning (B or higher)	

NOTE: Students are required to be dressed in athletic clothing and footwear daily for all PE courses.

HEALTH*

This is a one semester course covering the topics that are most important for developing a healthy teen. The curriculum includes instruction on issues such as mental illness and depression, stress, self-esteem, building healthy relationships, reproduction, and STI/STD education. All parts of the curriculum include an emphasis on drug and alcohol's influence on good decision making, as well as how to be assertive and avoid peer pressure situations.

FUNDAMENTALS OF PHYSICAL EDUCATION: INTRO TO FITNESS & SPORT

This one semester course is required for graduation and covers the State of Michigan Core Curriculum for high school physical education. The course will emphasize personal and lifelong fitness as well as the theory and application of a healthy lifestyle. Students will set personal goals, monitor their progress and demonstrate proficiency through in-class participation, written/skill assessments and homework/in-class assignments. It will focus on cardiovascular and muscular endurance, muscular strength, flexibility, and body composition. Students will participate in a variety of individual and team sports activities in a less competitive atmosphere that will improve overall fitness levels.

CARDIO FITNESS

This course is designed to give students the opportunity to be introduced to various cardiovascular activities such as aerobic dance, cross training, swimming, yoga, etc. Students will benefit from comprehensive weight training and cardiorespiratory endurance activities, as well as nutrition education. This class includes both course work and activity lessons and participation is expected on a daily basis.

RACQUET SPORTS

In this course, students will learn the standard rules, basic strategies and skills for a variety of racquet sports. The course structure will be focused on competitive and organized games and tournaments. The sports included in the course may include, but are not limited to: pickleball, tennis, table tennis, badminton, speedminton and eclipse ball. Facility and equipment availability will determine the specific activities to be covered during the course. Assessments may include in-class participation, homework/in-class assignments and written/skill tests.

RECREATIONAL & LIFETIME ACTIVITIES

This course focuses on understanding and practicing basic skills and techniques of lifetime sports and activities in a friendly competitive setting. Instruction may include, but are not limited to tennis, pickleball, badminton, table tennis, volleyball, spikeball, golf, yard games and strength and cardiovascular conditioning. Assessment will include in-class participation, homework/in-class assignments and written/skill tests.

TEAM SPORTS

This course is intended for students who enjoy structured competitive play through organized games and tournaments. Activities in this class may include, but are not limited to: floor hockey, flag football, softball, basketball, volleyball, team handball, speedball, soccer, ultimate frisbee and tchoukball. Facility and equipment availability will determine specific activities to be covered during the class. Assessment will include in-class participation, homework/in-class assignments and written/skill tests.

SPORTS OFFICIATING

This course is an elective course that focuses on the professional philosophy, and professional requirements for officiating sports for youth athletic contests. The course will include, but not limited to CPR/AED training, and concussion training. This course may cover the rules of officiating football, basketball, volleyball, soccer, track and field, softball, and lacrosse. Upon completion of the course students will be afforded the option at their cost to take certification exams to become a registered official with the MHSAA. If certified, students would be able to officiate youth contests and middle and high school sports. The teacher will work to help refer students for placement as paid officials where they are certified and qualified. This course spends 50% of the time in the classroom and 50% of the time in the gymnasium.

STRENGTH & CONDITIONING

This course focuses on how to maintain personal health and wellness. It is designed for the self-motivated student who is interested in developing their own personal fitness program related to strength training, cardiovascular endurance, speed and agility training. Concepts such as circuit training, strength training, interval training, speed, agility and plyometric training will be introduced. Students will set personal goals, monitor their progress and demonstrate proficiency through in-class participation, written/skill assessments and homework/in-class assignments. Active rest days will be included and take place in the gymnasium playing high energy sports and recreational games.

ADVANCED STRENGTH & CONDITIONING

This course is for those students that want to take their abilities to the next level. The course will cover sport specific training, advanced strength and weight lifting principles, speed, and plyometric training. This course will have a 4-day rotation with the 5th day focusing on leadership, self-confidence, and goal setting. Training programs will be adjusted for athletes that are in season compared to athletes that are in offseason training.

*This course, so designated by an asterisk, contains a unit of sex education. It incorporates information on birth control methods, sexually transmitted diseases, reproductive health and family planning. Parents are to be advised that the state requires that all students who receive instruction in classes in which communicable diseases are taught, a segment on A.I.D.S (Acquired Immune Deficiency Syndrome) will be included. State guidelines require that parents are notified each year of their right to review course materials to be used in such courses and their right to exclude their child/children from the class/classes.

**NOTE: Active participation in three complete seasons of an approved Hartland High School sport as noted in the included table (reported by the Athletic Department at the end of each school year) or active participation in three years of band (including Marching Band) may waive the Personal Fitness requirement and qualify as the Physical Education graduation requirement. Revised School Code 380.1502 (2)

**Approved Hartland High School Sports include:

Fall	Winter	Spring
Cheer	Archery	Baseball
Cross Country	Basketball	Lacrosse
Dive (Girls)	Bowling	Soccer (Girls)
Football	Cheer	Softball
Golf (Girls)	Dive (Boys)	Track & Field
Pom	Figure Skating	Golf (Boys)
Soccer (Boys)	Gymnastics	Tennis (Girls)
Swim (Girls)	Hockey	Volleyball (Boys)
Volleyball (Girls)	Pom	
Tennis (Boys)	Powerlifting	
Field Hockey	Skiing	
	Snowboarding	
	Swim (Boys)	
	Wrestling	

SCIENCE COURSES

COURSE NUMBER	COURSE NAME	CREDITS	GRADE LEVEL	PREREQUISITE	MEET REQ. OF:
43251S	Biology A	0.5	9 - 12		NCAA
43261S	Biology B	0.5	9 - 12	Biology A	NCAA
43231S	Earth Science A	0.5	9 - 12		NCAA
43241S	Earth Science B	0.5	9 - 12	Earth Science A	NCAA
43921S	Chemistry (Class of 2028 & beyond)	0.5	10 - 12	Biology	
43361S	Chemistry A (Prior to Class of 2028)	0.5	10 - 12	Biology & Geometry (math may be concurrent)	NCAA
43371S	Chemistry B (Prior to the Class of 2028)	0.5	10 - 12	Chemistry A	NCAA
43461S	Honors Chemistry A	0.5	10 - 12	Biology & Adv. Geometry or Algebra II (math may be concurrent)	NCAA
43471S	Honors Chemistry B	0.5	10 - 12	Honors Chemistry A	NCAA
43931S	Physics (Class of 2008 & beyond)	0.5	10 - 12	Biology	
43401S	Physics A (Prior to the Class of 2008)	0.5	10 - 12	Biology & Geometry (math & Biology may be concurrent)	NCAA
43411S	Physics B (Prior to the Class of 2028)	0.5	10 - 12	Physics A	NCAA
43481S	Honors Physics A	0.5	9 - 12	Biology & Algebra II (math & Biology may be concurrent)	NCAA, SMA
43491S	Honors Physics B	0.5	9 - 12	Honors Physics A	NCAA, SMA
430630	Anatomy & Physiology	1.0	11 - 12	Biology, Chemistry is strongly recommended	NCAA
43941S	Astronomy	0.5	9 - 12		NCAA
431631	Environmental Science: Dynamic Ecology	0.5	10 - 12	Biology	NCAA
431632	Environmental Science: Sustainability	0.5	10 - 12	Biology	NCAA
43841S	Forensic Science	0.5	11 - 12	Biology and Chemistry/Honors Chemistry (may be concurrent)	NCAA
43881S	Genetics	0.5	11 - 12	Biology & Chemistry	NCAA
43871S	Infectious Disease & Immunity	0.5	10 - 12	Biology	NCAA
43822S	Materials Science & Engineering	0.5	10 - 12		NCAA, SMA
43702S	Medical Careers & Terminology	0.5	9 - 12		
43812S	Organic Chemistry	0.5	10 - 12	Chemistry or Honors Chemistry	NCAA
43911S	Science Issues through Film & Lit	0.5	11 - 12	Biology & Earth Science	
430930	AP Biology	1.0	11 - 12	Honors Chemistry (may be concurrent)	CC, NCAA
43721S	AP Science Lab – Biology	0.5	11 - 12	AP Biology – taken concurrently	
431030	AP Chemistry	1.0	11 - 12	Honors Chemistry, Algebra II	CC, NCAA
43711S	AP Science Lab – Chemistry	0.5	11 - 12	AP Chemistry – taken concurrently	
438320	AP Physics I	1.0	10 - 12	Honors Physics	NCAA, SMA
431140	AP Physics C: Mechanics	1.0	10 - 12	Honors Physics or AP Physics I, Calculus (math may be concurrent)	CC, NCAA, SMA

BIOLOGY A & B

This course will emphasize the life science portion of the Michigan Merit Curriculum science requirements. Biology is the study of life, and living organisms; it encompasses the structure, function, growth, origin, evolution, and distribution of all living things, from single-celled organisms to complex ecosystems. This course includes hands-on labs & activities used to support the three-dimensional learning of science (Science and Engineering Practices, Disciplinary Core Ideas, and Crosscutting Concepts) in the classroom.

EARTH SCIENCE A & B

This course will emphasize the Earth and space science portion of the Michigan Merit Curriculum science requirements. Earth and space science is the study of processes that operate on Earth and also address its place in the solar system and the galaxy. This course will explore Earth's systems, its place in the universe, and human activity on Earth, using three-dimensional learning of science (Science and Engineering Practices, Disciplinary Core Ideas, and Crosscutting Concepts) in the classroom.

CHEMISTRY (*Class of 2028 & beyond*)

This course will emphasize the chemistry portion of the Michigan Merit Curriculum physical science requirements. Chemistry is the study of matter, its structure, properties, and the changes it undergoes. This course includes hands-on laboratory activities used to support the three-dimensional learning of science (Science and Engineering Practices, Disciplinary Core Ideas, and Crosscutting Concepts) in the classroom.

CHEMISTRY A & B (*Prior to the Class of 2028*)

This course will cover the Michigan Merit Curriculum chemistry requirements. Emphasis will be placed on the development of skills in observation, scientific inquiry and laboratory techniques. The mathematical relationships studied will require basic algebra skills.

HONORS CHEMISTRY A & B

This course is designed for college bound students wishing to study science or math, students planning to enroll in AP science courses, or for those with solid math and science skills. This course will emphasize the chemistry portion of the Michigan Merit Curriculum physical science requirements. Chemistry is the study of matter, its structure, properties, and the changes it undergoes. This course includes hands-on laboratory activities used to support the three-dimensional learning of science (Science and Engineering Practices, Disciplinary Core Ideas, and Crosscutting Concepts) in the classroom. **Class of 2028 & beyond*: Students who transfer out of Honors Chemistry after the first semester will have completed only half of the required standards. To meet the full graduation requirement, they must either: complete Honors Chemistry B or complete the one-semester Chemistry course.

PHYSICS (*Class of 2028 & beyond*)

This course will emphasize the physics portion of the Michigan Merit Curriculum physical science requirements. Physics studies the fundamental laws that govern all interactions between matter and energy, electric and electromagnetic energy, and forces, energy and motion. This course includes hands-on laboratory activities used to support the three-dimensional learning of science (Science and Engineering Practices, Disciplinary Core Ideas, and Crosscutting Concepts) in the classroom.

PHYSICS A & B (*Prior to the Class of 2028*)

This course will cover the Michigan Merit Curriculum requirements. The emphasis of this course will be on the explanation of natural phenomena by analyzing the world around the students using limited math.

HONORS PHYSICS A & B

In this course, classical mechanics will be constructed using both conceptual and mathematical modeling; therefore a strong background in mathematics is essential. The emphasis of this course will be to use modeling to connect the abstract mathematics of classical mechanics with the concrete world. **Class of 2028 & beyond:* Students who transfer out of Honors Physics after the first semester will have completed only half of the required standards. To meet the full graduation requirement, they must either: complete Honors Physics B or complete the one-semester Physics course.

ADVANCED PLACEMENT BIOLOGY

This course is designed to offer students a solid foundation in introductory college-level biology. Students will be assisted in developing an appreciation for the study of life and helped to identify and understand unifying principles within a diversified biological world. The course will focus not only on knowing science content, but also learning skills to gather, analyze, and interpret data, and to communicate information in a meaningful way to others. This course may qualify the student for college credit upon successful completion of the College Board's Advanced Placement test given in May (at a cost to the student).

ADVANCED PLACEMENT SCIENCE LAB – BIOLOGY

Students who are currently taking AP Biology must meet a lab requirement in addition to their regularly scheduled class time. This course will be taught by the students' current AP Biology teacher and will include additional lab contact hours which mirrors current college course offering of a separate lab course assigned to the students in science. This class is on a 5.0 weighted scale.

ADVANCED PLACEMENT CHEMISTRY

This course is designed for students desiring a college level chemistry experience and/or credit. This class is designed to match a first-year college level inorganic chemistry class as determined by the College Board. Emphasis will be on problem solving, laboratory work and exam preparation. This course may qualify the student for college credit upon successful completion of the College Board's Advanced Placement test given in May (at a cost to the student).

ADVANCED PLACEMENT SCIENCE LAB – CHEMISTRY

Students who are currently taking AP Chemistry must meet a lab requirement in addition to their regularly scheduled class time. This course will be taught by the students' current AP Chemistry teacher and will include additional lab contact hours which mirrors current college course offering of a separate lab course assigned to the students in science. This class is on a 5.0 weighted scale.

ADVANCED PLACEMENT PHYSICS I

AP Physics 1 is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory simple circuits. Through guided inquiry and modeling based learning, students will develop scientific critical thinking and reasoning skills. This course may qualify the student for college credit upon successful completion of the College Board's Advanced Placement test given in May (at a cost to the student).

ADVANCED PLACEMENT PHYSICS C: MECHANICS

This course is designed for students needing a strong physics background for anticipated college work. In this course, Newtonian Mechanics will be constructed using both conceptual and mathematical modeling, including some calculus; therefore, a strong background in mathematics is required. The emphasis of this course will be to use modeling and problem-solving techniques to connect the abstract mathematics of physics with the concrete world. This course may qualify the student for college credit upon successful completion of the College Board's Advanced Placement test given in May (at the student's expense).

ANATOMY & PHYSIOLOGY

Anatomy and physiology is a laboratory-based course in which students will generate knowledge about anatomy (a term for parts) and physiology (a term for how the parts work) with your peers. We will conduct a comprehensive survey of the human body that includes the major organ systems, which will provide a basis for understanding how changes in structure and function can lead to injury and disease.

ASTRONOMY

A one semester science elective that covers topics beyond our atmosphere. This course will look at the planets and moons in and beyond our solar system, the scale of the Universe, and the history of astronomy. This course will include research projects and group work in the lab. It will be out of this world.

ENVIRONMENTAL SCIENCE: DYNAMIC ECOLOGY

Ecology, Biodiversity and Human Activities. Have you ever wanted to explore a tropical rain forest or visit a foreign land to learn about the creatures and features of that region? Do you want to learn about endangered species and other environmental threat facing our planet? This class will cover relevant issues in environmental science through case studies, lab, projects, independent research, and presentations. Material will be assessed through daily work, vocabulary quizzes and projects. Join this class and be ready to explore the following topics: Ecology, biomes, national parks, population dynamics, land and resource management and the importance of biodiversity.

ENVIRONMENTAL SCIENCE: SUSTAINABILITY

Pollution and Conservation of Resources. Imagine a land with clean air, pristine water, and endless renewable energy. Does it exist? Let's explore through and an interdisciplinary approach these issues and more. Through lab, collaborative research, and case studies, you will look at many energy issues facing the world today. We will be utilizing the outdoor classroom during this semester and will learn about civic responsibility, environmental issues facing our air, our water and solutions to these problems.

FORENSIC SCIENCE

Forensic science is the application of science to the law and criminal investigation. This course will introduce methodologies of chemistry, biology, and physics used in crime-scene investigation and the analysis of evidence. Topics explored include analysis of trace evidence, such as hair, fiber, and glass; fingerprints and impressions, questioned document analysis, ballistics and explosives, serology and DNA, toxicology, and death.

GENETICS

This course would expose students to details regarding genetics, which is a very complex field in biology, and career opportunities within biotechnology and health sciences. This is an exposure class to widen the understanding of genetics, current topics, and to explore a variety of biotechnologies used currently and in the future.

INFECTIOUS DISEASE & IMMUNITY

Have you ever wondered how you get the common cold, or the flu, and why it makes you feel so crummy? In this one-semester class, we will study a variety of disease-causing agents, known as pathogens, to better understand how they make us sick. These pathogens include bacteria, viruses, fungi, protozoa, prions and macroparasites. We will explore characteristics, modes of transmission, involvement in epidemics/pandemics and the ways in which our immune system works.

MATERIALS SCIENCE & ENGINEERING

Have you ever wondered how they engineer Kevlar Body Armor? How about lightweight yet super-durable parts for aircraft? Materials Science focuses on "stuff" and what makes it useful. Essentially, the chemistry of solids, materials science is one of the newest and fastest growing science and engineering fields today. This lab-heavy science class includes units in Metals, Polymers, Ceramics and Composites. Emphasis will be placed on how materials are researched, processed, and used in everyday life, as well as future career opportunities available in material-related fields.

MEDICAL CAREERS & TERMINOLOGY

This one-semester course gives students an introduction to the vast world of medical careers as well as the language of medicine and healthcare. Students will learn about and develop an understanding of the preparation and training necessary to pursue careers in Occupational Therapy, Surgical Technology, Nursing, Medical Records Technician, Emergency Medical Technician (EMT), Physical Therapy, Physicians, Radiologists, and many more. Emphasis will also be placed upon learning word roots, suffixes, prefixes, abbreviations, symbols, anatomical terms, and terms associated with movements of the human body. Practicing medical professionals will visit the class to share practical knowledge of their fields and introduce students to a variety of careers.

ORGANIC CHEMISTRY

This class is intended to be an introduction to college level organic chemistry. As a semester science course, topics covered include: introductory nomenclature, molecules, reactions and laboratory analysis typically seen in a college level organic chemistry course. The course will also focus on the application of organic concepts to everyday life. The intent of the course is to expose students to some of the material they may see in future courses for medical or engineering related fields.

SCIENCE ISSUES THROUGH FILM & LIT

This is a project-based, one semester look at science issues through film and literature. Topics can include space travel, genetic modifications, cyber/computer security issues in science, and realistic science or science fiction in popular movies and books. This class will include the opportunity to view several films, as well as read several short stories and current science research to take a closer look at how the world reacts to science, how scientific knowledge is developed, and how science can be twisted or true, entertaining or incredibly dramatic.

SOCIAL STUDIES COURSES

COURSE NUMBER	COURSE NAME	CREDITS	GRADE LEVEL	PREREQUISITE	MEET REQ. OF:
420011	Global Studies A	0.5	9		NCAA
420012	Global Studies B	0.5	9	Global Studies A	NCAA
420221	American History A	0.5	10	Global Studies	NCAA
420222	American History B	0.5	10	American History A	NCAA
420420	AP United States History	1.0	10 - 12	Global Studies, *also see description for recommendations	CC, NCAA
42093S	Economics	0.5	11 - 12		NCAA
42073S	American Government	0.5	11 - 12	American History	NCAA
425510	AP United States Government & Politics	1.0	11 - 12	American History, *also see description for recommendations	CC, NCAA
425610	AP Comparative Government & Politics	0.5	11 - 12	American History & Government or AP US Government & Politics	CC, NCAA
421130	AP European History	1.0	11 - 12	Global Studies & American History	CC, NCAA
42253S	Introduction to Psychology	0.5	11 - 12		NCAA
423030	AP Psychology	1.0	11 - 12		NCAA
42283S	Current Events & Global Issues	0.5	11 - 12		NCAA
42561S	History of Film in the United States	0.5	10 - 12		
42551S	History of Sports in America	0.5	9 - 12		
42521S	Law & Criminal Justice	0.5	11 - 12		NCAA
42243S	Sociology	0.5	11 - 12		NCAA
42721S	History of Medieval Europe	0.5	11 - 12		NCAA
42691S	History of Revolutions	0.5	11 - 12		NCAA
42671S	History of Russia	0.5	11 - 12		NCAA
42661S	History of the Civil War	0.5	11 - 12		NCAA
42711S	History of World War I	0.5	11 - 12		NCAA
42711S	History of World War II	0.5	11 - 12		NCAA

GLOBAL STUDIES A & B

This course is a survey of global events beginning with the Middle Ages to the world wars. Emphasis is placed on reading, writing, research, and presentation skills.

AMERICAN HISTORY A & B

This course is a survey of the broad picture of American History from the Progressive Era to present events.

ADVANCED PLACEMENT UNITED STATES HISTORY

Topics covered in this course will help students prepare for the AP U.S. History exam by learning about historical implications and concepts from the beginning of the United States through today. This course may qualify the student for college credit upon successful completion of the College Board's Advanced Placement test given in May (at a cost to the student). It is recommended that students earn a 3.3 or higher in their prior Social Studies and English courses.

ECONOMICS

This course is a study of the American economic system and economic systems. The emphasis will be on the practical functions of the market place and practical applications of economic theory.

AMERICAN GOVERNMENT

In this course the student will study the government of the United States on a federal, state, and local level.

ADVANCED PLACEMENT UNITED STATES GOVERNMENT & POLITICS

This course is a year-long program designed to prepare students to take the AP US Government and Politics test. In this class, students will learn to analyze government and politics in the US. This course includes both the study of general concepts used to interpret US government and politics as well as the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs and ideas that constitute US government and politics. This course may qualify the student for college credit upon successful completion of the College Board's Advanced Placement test given in May (at a cost to the student). It is recommended that students earn a 2.7 or higher in US History.

ADVANCED PLACEMENT COMPARATIVE GOVERNMENT & POLITICS

This course is offered first semester only and is designed to prepare students to take the AP Comparative Government and Politics test. It will introduce students to fundamental concepts used by political scientists to study the processes and outcomes of politics in a variety of country settings. The course aims to illustrate the rich diversity of political life, to show available institutional alternatives, to explain differences in processes and policy outcomes, and to communicate to students the importance of global political and economic changes. This course may qualify the student for college credit upon successful completion of the College Board's Advanced Placement test given in May (at a cost to the student).

ADVANCED PLACEMENT EUROPEAN HISTORY

The student will examine Western European history from the Renaissance era to the 9-11 attacks. This course may qualify the student for college credit upon successful completion of the College Board's Advanced Placement test given in May (at a cost to the student).

INTRODUCTION TO PSYCHOLOGY

This course will serve as a semester introduction to the principals of Psychology. Students will study individual behavior and its underlying causes. Topics covered may include: the history of psychology, research, the body and behavior, altered states of consciousness, learning and conditioning, memory and thought, psychological and intelligence testing, developmental and personality theories, psychological disorders, as well as therapy.

ADVANCED PLACEMENT PSYCHOLOGY

This full year course is designed to introduce students to the systematic and scientific study of human and animal behavior. Students are exposed to the psychological facts and principles associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. This course may qualify the student for college credit upon successful completion of the College Board's Advanced Placement test given in May (at a cost to the student).

CURRENT EVENTS & GLOBAL ISSUES

This course is designed to explore contemporary issues of the day. Students will examine current events in the news, theater, music, and sports. Debate, discussion, and web research will provide participants the skills to make knowledgeable and informed decisions. It is hoped that students enrolled will develop their capacities as leaders who will challenge the present and enrich the future.

HISTORY OF FILM IN THE UNITED STATES

This course explores the development of filmmaking and its historical and social influence in the United States. Film from each decade, from the late 1800s through today, will be viewed critically and analyzed within the context of history.

HISTORY OF SPORTS IN AMERICA

This course will explore the development and movements found within the area of sports since 1865 in the United States. Units of study include: a chronological history of sport in America, sport sociology, economics of sport, ethics in sport, adolescent and youth sports. Students will participate in a wide range of activities with a culminating presentation at the end of the semester.

LAW & CRIMINAL JUSTICE

This course gives a general overview of law and criminal justice systems. It covers the nature and sources of law, court systems, and the substantive areas of constitutional law, contracts, torts, criminal law, agency, and property. This course is geared towards providing students with the basic knowledge of the law, critical legal thinking, and a comparative approach to the civil and common law systems. In addition, this course will explore the world of criminal justice and introduce operational practices at the major criminal justice decision stages. Students will also look at critical issues in society such as the dilemmas of change in policing, diversion, court administration, sentencing, and community correctional programs.

SOCIOLOGY

This course is a one semester introduction to Sociology. Students will study behavior with a major emphasis on present day Western society. Topics covered include: sociological perspectives, research, culture, socialization, social structure, group interaction, deviance, social stratification, social institutions (family, education, sports), and social change. Students will participate in a wide range of activities and group simulations, with a culminating presentation at the end of the semester.

HISTORY SEMINAR COURSE OFFERINGS & ROTATION

History seminar courses are offered on a rotating basis and are not offered every year. Course descriptions can be found below. These courses are semester long electives within the Social Studies Department for juniors and seniors. These classes focus on a specific era or event in history for the semester, and topics change annually. These courses are designed for those who are interested in taking an additional history course after completing the ninth and tenth grade requirements.

HISTORY OF MEDIEVAL EUROPE

Rome to the Renaissance: 44 BCE to 1600 CE. A study of the period from the Roman Empire through the Dark Ages, Middle Ages, to the Renaissance.

HISTORY OF REVOLUTIONS

Revolutions! From the American Revolution to the Arab Spring. A comparative study of revolutions over time and why they happen. Covers the American, French and Russian Revolutions as well as the Arab Spring in the Middle East.

HISTORY OF RUSSIA

This History of the Russia: Prehistory to Putin. The History, Culture, Literature, Music and Art of the Russian People. Special attention is paid to current geo-political events involving Russia.

HISTORY OF THE CIVIL WAR

The American Civil War Period – 1856-1866. The study of American culture and history relative to the period before, during and after the Civil War, including local Hartland and personal family history research.

HISTORY OF WORLD WAR I

The Decade of the First World War – 1910-1920. The history of the First World War from a global perspective between 1910 and 1920. The course includes units on student's personal family history during this period.

HISTORY OF WORLD WAR II

History of the Second World War – 1936-1946. A study of the period of history that centers on the Second World War from a global perspective, including local Hartland and personal family history research.

WORLD LANGUAGE COURSES

COURSE NUMBER	COURSE NAME	CREDITS	GRADE LEVEL	PREREQUISITE	MEET REQ. OF:
450010	French I	1.0	9 - 12		NCAA
454210	French I – Honors	1.0	9 - 12	English Teacher Signature	NCAA
450120	French II	1.0	9 - 12	French I or French I Honors	NCAA
454310	French II – Honors	1.0	9 - 12	French I Honors	NCAA
450230	French III – Honors	1.0	10 - 12	French II Honors	NCAA
450340	French IV – Honors	1.0	11 - 12	French III Honors	NCAA
453710	French V – Honors	1.0	12	French IV Honors	NCAA
450810	Spanish I	1.0	9 - 12		NCAA
454410	Spanish I – Honors	1.0	9 - 12	English Teacher Signature	NCAA
450920	Spanish II	1.0	9 - 12	Spanish I or Spanish I Honors	NCAA
454510	Spanish II – Honors	1.0	9 - 12	Spanish I Honors	NCAA
450130	Spanish III	1.0	10 - 12	Spanish II or Spanish II Honors	NCAA
451030	Spanish III – Honors	1.0	10 - 12	Spanish II Honors	NCAA
451140	Spanish IV – Honors	1.0	11 - 12	Spanish III Honors	NCAA
450110	Spanish V – Honors	1.0	11 - 12	Spanish IV Honors	NCAA
452710	AP Spanish	1.0	12	Spanish IV Honors	NCAA

NOTE: Successful completion of an approved Career & Technical Education program OR the completion of an additional Visual Performing and Applied Arts (VPA) credit (2 semesters) may waive 2nd year of World Language.

FRENCH I

The student is introduced to basic vocabulary and pronunciation and gradually builds a foundation in speaking and understanding the language. Some reading and writing follows in the natural development of the language skills. The student becomes acquainted with the culture and gains some insight into cultural similarities and differences. Basic grammar concepts are introduced at this level. Reading, writing, listening, and speaking skills are developed. Students enrolled in this course do not intend on continuing past the two-year graduation requirement.

FRENCH I – HONORS

The student is introduced to vocabulary and pronunciation and builds a foundation in speaking and understanding the language at an accelerated rate. Students will use authentic materials to foster skills in reading and listening. Students will create original dialogue, practice communicating, and learn to discuss their own interests. The student becomes acquainted with the French culture and gains insight into cultural similarities and differences. Grammar concepts are taught in depth at this level. Reading, writing, listening, and speaking skills are developed. Students enrolled in this course have a strong interest in learning a second language and are considering taking more than 2 years of language. The French I Honors class is the first step in the vertical progressive curriculum towards French III, IV, and V.

FRENCH II

This course is designed to develop the student's ability to listen, speak, read and write in French. Speaking and listening skills will be developed through daily use of French and authentic texts and music. Students will create original dialogue, practice communicating, and learn to discuss their own interests. Students will read simple narratives and learn to write short paragraphs. Students will continue to study basic vocabulary and culture. Students enrolled in this course do not intend on continuing past the two-year graduation requirement.

FRENCH II – HONORS

This course is designed to develop more fully the student's ability to listen, speak, read and write French at an accelerated rate. French II Honors presents a rapid, comprehensive review of all grammatical concepts and structures studied in French I Honors. Speaking and listening skills will be developed through daily use of French. Students will create original dialogue, practice communicating, and learn to discuss their own interests. Frequent use of culturally authentic materials, music, periodicals, and video, will enhance cultural awareness and offer topics for class discussion. In depth grammar study continues at this level. Reading, writing, listening, and speaking skills are expanded. Students enrolled in this course have a strong interest in learning a second language and are considering taking more than two years of language. The French II Honors class is the second step in the vertical progressive curriculum towards French III, IV, and V.

FRENCH III – HONORS

This course will focus on communication in French, both written and spoken. Overall themes of travel by train, airplane, car, and lodging will be covered. Students will begin learning complex grammar structures in an effort to facilitate authentic conversation and aid comprehension.

FRENCH IV – HONORS

This course is designed as an advanced study of the French language. Emphasis will be placed on the acquisition of all formal grammar structures and on reading and discussing works of French authors. Several critical papers will be required.

FRENCH V – HONORS

This course will be taught as a college-level French literature course. Students will be required to read works by French authors and poets and keep abreast of contemporary issues in France. The class will be conducted entirely in French, and both written and verbal communication will aid students to become more fluent in, and comfortable with, the language. Several critical papers and verbal examinations will be required.

SPANISH I

The student is introduced to basic vocabulary and pronunciation, and gradually builds a foundation in speaking and understanding the language. Some reading and writing follows in the natural development of the language skills. The student becomes acquainted with the culture and gains some insight into cultural similarities and differences. Basic grammar concepts are introduced at this level. Reading, writing, listening, and speaking skills are developed. Students enrolled in this course do not intend on continuing past the 2-year graduation requirement.

SPANISH I – HONORS

The student is introduced to vocabulary and pronunciation and builds a foundation in speaking and understanding the language at an accelerated rate. Students will use authentic materials to foster skills in reading and listening. Students will create original dialogue, practice communicating, and learn to discuss their own interests. The student becomes acquainted with the Hispanic culture and gains insight into cultural similarities and differences. Grammar concepts are taught in depth at this level. Reading, writing, listening, and speaking skills are developed. Students enrolled in this course have a strong interest in learning a second language and are considering taking more than 2 years of language. The Spanish I Honors class is the first step in the vertical progressive curriculum towards Advanced Placement.

SPANISH II

This course is designed to develop the student's ability to listen, speak, read and write in Spanish. Speaking and listening skills will be developed through daily use of Spanish and authentic texts and music. Students will create original dialogue, practice communicating, and learn to discuss their own interests. Students will read simple narratives and learn to write short paragraphs. Students will continue to study basic vocabulary and culture. Students enrolled in this course do not intend on continuing past the two-year graduation requirement.

SPANISH II – HONORS

This course is designed to develop more fully the student's ability to listen, speak, read and write Spanish at an accelerated rate. Spanish II Honors presents a rapid, comprehensive review of all grammatical concepts and structures studied in Spanish I Honors. Speaking and listening skills will be developed through daily use of Spanish. Students will create original dialogue, practice communicating, and learn to discuss their own interests. Frequent use of culturally authentic materials, music, periodicals, and video, will enhance cultural awareness and offer topics for class discussion. In depth grammar study continues at this level. Reading, writing, listening, and speaking skills are expanded. Students enrolled in this course have a strong interest in learning a second language and are considering taking more than two years of language. The Spanish II Honors class is the second step in the vertical progressive curriculum towards Advanced Placement.

SPANISH III

This course is a continuation of Spanish II, developing the structures introduced in Spanish I and II into more advanced usage. Students will continue to deepen their knowledge of Spanish grammar, vocabulary and culture through actively participating in reading, writing, listening and speaking activities. The curriculum will be supplemented with music, videos, novels and a variety of readings, to provide various input sources for students to draw from as they strengthen and build upon their foundation in the language. In the third year of language study, students will become more confident Spanish speakers and writers, and will be able to discuss not just events in the present tense, but events in the past and future as well. Students will be better able to accurately describe their thoughts and opinions in Spanish and will become more engaged and comfortable conversing with peers in Spanish.

SPANISH III – HONORS

The major emphasis in Spanish III will be on actual use of the language through readings, compositions, and conversation. The grammar study will include a review of SPANISH I and II as well as some complexities not previously studied. Class will be conducted in Spanish whenever possible. Students will have more opportunities for creative use of the language. The Spanish III Honors class is the third step in the vertical progressive curriculum towards Advanced Placement.

SPANISH IV – HONORS

Spanish IV is an advanced language study equivalent to a first-year college course. Grammatical structures learned in Spanish III will be reviewed with an emphasis on their application. Students are expected to communicate with the instructor and their peers in Spanish to increase fluency in the language. Students will read and analyze works by Hispanic authors, compose original writings, hold discussions in Spanish and verbally present research, and listen to dialogues, commercials, interviews and songs of Spanish speakers from different parts of the Spanish-speaking world. The class is conducted in Spanish. The Spanish IV Honors class is the fourth step in the vertical progressive curriculum towards Advanced Placement.

SPANISH V – HONORS

This is a culminating course for students who have completed Spanish IV Honors and are interested in exploring the culture and history of Spain and Latin America. Students learn to express themselves in Spanish with greater confidence and clarity as they expand their vocabulary and gain experience with more complex grammatical and linguistic structures. At this level, students are expected to interact with one another and the instructor in Spanish to simulate a wide range of encounters in the target language. Students enhance reading, writing, listening and speaking skills through a wide range of activities. By the end of the course, students should be able to express themselves orally and in writing in familiar situations in the Intermediate High/Advanced Low range on the ACTFL Proficiency scale.

ADVANCED PLACEMENT SPANISH

This Advanced Placement Spanish course covers the equivalent of a third-year college course in advanced Spanish composition and conversation. It stresses oral and listening skills, written composition, and grammar. Because the course emphasizes the use of Spanish for active communication, it is taught entirely in Spanish and students are required to use the target language as well. Course content is aligned with the College Board Advanced Placement Spanish Language Course Description and the instructor will make wide use of additional resources and online Advanced Placement resources. This course may qualify the student for college credit upon successful completion of the College Board's Advanced Placement test given in May (at a cost to the student).

NON-DEPARTMENTAL COURSES

COURSE NUMBER	COURSE NAME	CREDITS	GRADE LEVEL	PREREQUISITE	MEET REQ. OF:
417410	Academic Focus	0.5	9 - 10	Recommendation for placement	
485111 485112	Enrichment A & B	0.5	9 - 10	Recommendation for placement	
48951S 48991S	Freshman Focus	0.5	9	Recommendation for placement	
49971S	Careers & College Planning	.5	11 - 12		
49891S	Film & Media Production	0.5	9 - 12		VPA
48502S	Media Broadcasting	2.0	10 - 12		VPA
42081S	Leadership	0.5	9 - 12		
48643S	Office Assistant	0.5	12	Recommendation for placement, credit deficient	
49883S	Peer to Peer Support	0.5	11 - 12		
49931S	Peer to Peer Support - PE	0.5	11 - 12		
49821S	Test Taking Skills	0.5	9 - 11		
49831S 49832S	Tutorial A & B	0.5	9 - 12		
475700	Work Based Learning	2.0	11 - 12		

ACADEMIC FOCUS

This course is designed to assist students with support in academic and study skills as well as the overall transition to high school academics. Students will have assistance in comprehending and completing assignments, studying for tests, and gaining a basic understanding of concepts presented in their academic classes. This course is designed for 9th and 10th grade students. Students are eligible for the class through teacher placement, M-Step scores and PSAT scores, and/or referral from a counselor.

ENRICHMENT

The focus of Enrichment is to provide assistance to students so they can be successful in their academic classes. Students will be given individual and/or group assistance in comprehending and completing assignments, studying for tests, and gaining a basic understanding of concepts presented in their core classes. The class also addresses the motivational skills needed not only to improve a student's academic success, but also life success.

FRESHMAN FOCUS

This semester course is designed to aid in the transition to high school from the middle school. Students are selected and invited to participate in Freshman Focus by their 8th grade teachers. This class helps to provide a smooth entrance into a different environment and gives students support as they embark on their high school career. Students are expected to use their time effectively in class. Freshman Focus offers an excellent opportunity for students to receive assistance on school work while participating in a positive and productive environment geared towards success.

CAREER & COLLEGE PLANNING

Career and College Planning is geared toward assisting students in planning for their future after graduation. Topics of the courses include: Who Am I as a Student, Making the Most of High School, Personal Goal Setting, Career Exploration, Professionalism, Finding a Career or College Match, Employability Skills, and Scholarships/Financial Aid. Students will utilize technology such as “MI Bright Futures” to help discover in-demand careers and connect with local working professionals and businesses. Students will explore the Career Cruising Program and work on Educational Development Plans. Guest speakers from various career fields are incorporated into the curriculum. The course will positively impact students by educating them about post-secondary opportunities, exploring their career and personal interests, and helping prepare them for their future.

FILM & MEDIA PRODUCTION

This course is designed for the entry-level film editing student. Students will cut film, build and create video and edit digital content for production. This is a one hour course which will give students an excellent opportunity to use state of the art equipment and hone their film editing and production skills.

MEDIA BROADCASTING

This is a high-level application-based course, which focuses on writing news stories, developing digital content and also performing the broadcast in front of a camera. This course is for students interested in using high-level technology to create high quality news broadcasts. This course is a two-hour, year-long block and provides service to the school by broadcasting student news each day to the classrooms. Students interested in the entertainment industry, film production or broadcasting careers would benefit greatly from this course.

LEADERSHIP

This course is designed to study leadership theory and practice, develop project management skills, understand and practice team building, gain conflict resolution skills, serve our community, grow communication skills, and enhance our school-wide culture. Students from all grade levels and extracurricular involvements are encouraged to take this class.

OFFICE ASSISTANT

This course provides an opportunity for seniors that are credit deficient to earn a .5 credit. Students will stay after school for an 8th hour and work in the office.

PEER TO PEER SUPPORT

This is an introductory course, which will allow general education students to work with a variety of students with special needs in elective and/or core classes. Students in this course will learn strategies to work cooperatively and integrate effectively with students with special needs. Students will also learn socialization strategies to use during typical social situations during lunch, passing time, and/or school events. Students looking to go into the fields of education, social work, psychology, medicine, or support services may find this course beneficial.

PEER TO PEER SUPPORT - PE

This is an introductory course, which will allow general education students to work with a variety of students with special needs in the Adaptive Physical Education class. Students in this course will learn strategies to work cooperatively and integrate effectively with students with special needs. Students will also learn socialization strategies to use during typical social situations during lunch, passing time, and/or school events. Students looking to go into the fields of education, social work, psychology, medicine, or support services may find this course beneficial.

TEST TAKING SKILLS

Even students who work very hard to prepare for an exam often leave the test feeling that they have studied the wrong things or that their performance has not truly reflected the level at which they have learned. This course is designed to address various areas of student test-taking skills. Strategies designed to help improve performance on any type of test as well as the PLAN, EXPLORE, ACT, PSAT, or SAT tests will be explored. Several of the topics covered include task analysis, memory strategies, organization, effective reviewing, Bloom's taxonomy, mock tests, test analysis, essay test terminology, and much more.

TUTORIAL A & B

Tutorial courses provide students with the assistance they need to successfully complete their coursework. Students may receive help in one or several subjects. Students must work productively during class to receive credit. This course is graded on a Pass/Fail format.

WORK BASED LEARNING

Worked Based Learning is an opportunity to improve career readiness and provide career immersion for students. This program will provide academic rigor by focusing on employability skills (soft skills) and having students work through an established set of academic goals that are connected to success in the workforce. This program will be designed to provide not just work experience, but a high level of exposure to employment in the industry of interest to the student. Student Outcomes include:

- Create an effective resume and cover letter
- Understand how to prepare for an interview
- Identify basic information about workplace
- Analyze who I am and what I want to do professionally
- Connect sources of job leads and applying for jobs
- Apply concepts related to workplace ethics
- Explain the connection between positive attitude and workplace relationships
- Connect personal assertiveness with personal effectiveness
- Critique my personal attitude towards coworkers and analyze it
- Demonstrate cooperativeness, initiative, responsibility, and self-management in the workplace
- Identify and draw conclusions between my past work experience and my future career choices

SPECIAL EDUCATION COURSES

COURSE NUMBER	COURSE NAME	CREDITS	GRADE LEVEL	PREREQUISITE	MEET REQ. OF:
412710A	Language Arts Life Skills	1.0	9 - 12	IEPC Placement	
412810A	Language Arts Essentials	1.0	9 - 12	IEPC Placement	
412311A 412312A	Language Arts 9 A & B	1.0	9	IEPC Placement	NCAA
412421A 412422A	Language Arts 10 A & B	1.0	10	IEPC Placement	NCAA
412530A	Language Arts 11	1.0	11	IEPC Placement	NCAA
412540A	Language Arts 12	1.0	12	IEPC Placement	NCAA
412611A 412612A	Reading Intensive A & B	0.5	9 - 12	IEPC Placement	
441910A	Math Life Skills	1.0	9 - 12	IEPC Placement	
442010A	Math Essentials	1.0	9 - 12	IEPC Placement	
44321S	Pre-Algebra	1.0	9 - 12	IEPC Placement	
44331SA 44341SA	Algebra I A & B	1.0	9 - 12	IEPC Placement	
443911A 443922A	Geometry A & B	1.0	10 - 12	IEPC Placement	
443030A	Applied Math III/IV	1.0	11 - 12	IEPC Placement	
44871SA	Math Intensive 9	1.0	9	IEPC Placement	
44881SA	Math Intensive 10	1.0	10	IEPC Placement	
431411A 431412A	Science Life Skills	0.5	9 - 12	IEPC Placement	
431511A 431512A	Science Essentials	0.5	9 - 12	IEPC Placement	
431211A 431212A	Biology A & B	1.0	9 - 12	IEPC Placement	NCAA
43231SA 43241SA	Earth Science A & B	1.0	9 - 12	IEPC Placement	NCAA
43912SA	Chemistry	0.5	11 - 12	IEPC Placement	
43931SA	Physics	0.5	11 - 12	IEPC Placement	
421211A 421212A	Social Studies Life Skills	0.5	9 - 12	IEPC Placement	
421711A 421712A	Social Studies Essentials	0.5	9 - 12	IEPC Placement	
421611A 421612A	Global Studies A & B	1.0	9 - 12	IEPC Placement	NCAA
421321A 421322A	American History A & B	1.0	9 - 12	IEPC Placement	NCAA
42143SA	Government	0.5	11 - 12	IEPC Placement	NCAA
42093SA	Economics	0.5	11 - 12	IEPC Placement	NCAA
48063SA	Consumer Economics	0.5	11 - 12	IEPC Placement	

COURSE NUMBER	COURSE NAME	CREDITS	GRADE LEVEL	PREREQUISITE	MEET REQ. OF:
45631SA	Computer Applications	0.5	9 - 12	IEPC Placement	
485510A	Personal Adjustment	1.0	9 - 12	IEPC Placement	
45832SA	Personal Finance	0.5	12	IEPC Placement	SMA, VPA
48042SA	Personal Living	0.5	12	IEPC Placement	SMA
485610A	Living Skills – Comprehensive	1.0	9 - 12	IEPC Placement	
485820A	Career Exploration	1.0	10 - 12	IEPC Placement	SMA
485930A	Work Skills	1.0	11 - 12	IEPC Placement	
46061SA	Physical Education	0.5	9 - 12	IEPC Placement	
46071SA	Health	0.5	9 - 12	IEPC Placement	

ENGLISH

LANGUAGE ARTS LIFE SKILLS

This course emphasizes the development of foundational reading, writing, speaking, and listening skills tailored to each student's needs. Instruction focuses on real-world literacy, including recognizing functional vocabulary, reading signs and schedules, completing forms, and understanding everyday written materials. Students practice communication skills essential for daily life, social interactions, and workplace readiness. Lessons incorporate high-interest, accessible texts and activities that build independence and self-advocacy. This course is designed for students on a certificate of completion.

LANGUAGE ARTS ESSENTIALS

This course blends foundational reading, writing, speaking, and listening skills with real-world applications to support literacy across settings. Students engage with grade-appropriate texts adapted for accessibility and comprehension, while building vocabulary, grammar, and communication skills. This course is designed for students on a certificate of completion.

LANGUAGE ARTS 9 A & B

This course will include the study of short stories, poetry, drama, nonfiction, and the novel. Basic composition skills will emphasize sentence and paragraph structure along with the writing of the essay. Spelling, vocabulary, and grammar will also be emphasized to support foundational language development. Differentiated instruction will be a key component of the course, with scaffolded support in reading comprehension and writing to meet diverse learning needs. Through targeted strategies and personalized support, students will build confidence and proficiency in both analyzing texts and expressing their ideas in writing.

LANGUAGE ARTS 10 A & B

This course blends classic and contemporary works from a wide range of authors representing diverse backgrounds. Students will engage deeply with texts through differentiated instruction designed to meet varied learning needs, including scaffolded support in both reading comprehension and writing. Emphasis is placed on developing a strong foundation in Narrative, Informative, and Argumentative writing, with instruction tailored to help all students progress toward mastery. Through active participation, students will explore literature and nonfiction while building critical thinking and communication skills in a supportive environment.

LANGUAGE ARTS 11

This course is specially designed for students who require additional support in developing their reading and writing skills while continuing their pursuit of a high school diploma. It aims to help students strengthen and further define these essential skills through targeted instruction and practice. The course provides reading and writing strategies that support academic success, including preparation for the SAT. Additional areas of focus include the writing process, the study and analysis of literature, vocabulary development, and the application of grammar skills.

LANGUAGE ARTS 12

This course is specially designed for students who require additional support in developing their reading and writing skills. It focuses on strengthening literacy for students' secondary needs and beyond. Students will engage in units that encourage creativity in writing, promote reading for enjoyment as an adult, and develop informative research related to post-secondary plans. The course also emphasizes the writing process, grammar application, vocabulary development, and literary analysis. Additionally, students will create and develop professional documents such as a résumé and cover letter, and complete the steps necessary to plan and prepare for their post-secondary goals.

READING INTENSIVE

This course is designed to teach reading skills needed at the secondary level and beyond. It will also serve to provide remediated instruction for those who may be reading below grade level. Instruction will consist of the "Leveled Literacy Instruction" program by Fountas and Pinnell, and be supplemented by novels of the students' choosing, news articles, and additional nonfiction texts. It is the primary goal of this course to foster independent reading by providing individualized instruction and help promote students' confidence as readers.

MATHEMATICS

MATH LIFE SKILLS

This course provides instruction in essential math concepts with a strong focus on practical application. Students learn skills such as telling time, using money, measuring, reading charts, and basic computation necessary for everyday tasks. Lessons emphasize problem-solving and reasoning in real-life contexts like shopping, cooking, budgeting, and navigating the community. Hands-on learning and visual supports are used to promote understanding and confidence. This course is designed for students on a certificate of completion.

MATH ESSENTIALS

This course combines essential math standards with practical, real-life applications. Students work on number sense, basic operations, fractions, time, money, and measurement, using hands-on activities and visual supports. Lessons are structured to connect academic math concepts with everyday tasks such as budgeting, grocery shopping, following a schedule, and understanding time management. This course is designed for students on a certificate of completion.

PRE-ALGEBRA

This is a yearlong course designed to give 9th grade students a solid foundation for further study in Algebra and Geometry. Pre-algebra is for students who need to strengthen their basic mathematical skills and master fundamental skills such as arithmetic, solving expressions and equations, problem-solving and graphing. Placement in this course is made through teacher recommendation.

ALGEBRA A & B

This course is designed for the students who plan to pursue further training in math-related fields. This course is a traditional study of mathematics, integrating the study of algebra with geometry and probability. The students will be using technology with the study of traditional mathematical concepts. Real life situations will be visited and students will be expected to communicate solutions verbally and in written form.

GEOMETRY A & B

This course is designed to develop logical thinking and an appreciation of the form and relationship of objects in the plane and space. Work is continued with algebraic equations and formulas. It is highly recommended that students have a C or better in Algebra before taking this course.

APPLIED MATH III/IV

This course will expand upon basic math operations as it relates to consumer math applications. Extensive review of place value, fractions, decimals, percentages, and multiple place multiplication and division. Business applications will create an awareness of skills needed to develop a small business, communicate with customers and manage a payroll.

MATH INTENSIVE 9

Math Intensive 9 is a course designed to help students who struggle with math reasoning and calculation. The direction of the course will be determined by the individual students in the class. We will be reviewing pre-algebra concepts necessary to be successful in Algebra I, as well as previewing basic algebra concepts. Math Intensive 9 and Algebra are taken concurrently.

MATH INTENSIVE 10

Math Intensive 10 is a course designed to help students who struggle with math reasoning and calculation. The direction of the course will be determined by the individual students in the class. We will be reviewing Algebra concepts necessary to be successful in Geometry, as well as previewing more advanced Algebra concepts in preparation for Algebra II. Math Intensive 10 and Geometry are taken concurrently.

SCIENCE

SCIENCE LIFE SKILLS

This science course introduces students to key scientific concepts through hands-on, experiential learning. The focus is on making sense of the world through observation, inquiry, and safety practices. Students engage in experiments and projects that connect science to their daily lives, promoting critical thinking and independence. This course is designed for students on a certificate of completion.

SCIENCE ESSENTIALS

This science course introduces students to fundamental life, earth, and physical science concepts in a concrete and engaging manner. Students participate in projects that relate directly to their lives, including topics like personal health, weather, nutrition, basic biology, and environmental awareness. This course is designed for students on a certificate of completion.

BIOLOGY A & B

This course will emphasize the life science portion of the Michigan Merit Curriculum science requirements. Biology is the study of life and living organisms. To ensure all students can access the material, instruction uses differentiated strategies and visual aids, while complex scientific concepts and texts are chunked into smaller, manageable sections. This course includes hands-on labs and activities, utilizing modeled, step-by-step procedures and small-group instruction to support the three-dimensional learning of science (Science and Engineering Practices, Disciplinary Core Ideas, and Crosscutting Concepts) in the classroom.

EARTH SCIENCE A & B

This course will emphasize the Earth and space science portion of the Michigan Merit Curriculum science requirements. Earth and space science is the study of processes that operate on Earth and also address its place in the solar system and the galaxy. This course will explore Earth's systems, its place in the universe, and human activity on Earth, using three-dimensional learning of science (Science and Engineering Practices, Disciplinary Core Ideas, and Crosscutting Concepts) in the classroom. Earth Science in the resource room setting will be delivered through differentiated instruction designed to meet varied learning needs, including scaffolded support on daily work as well as formative and summative assessments.

CHEMISTRY

This course will emphasize the chemistry portion of the Michigan Merit Curriculum physical science requirements. Chemistry is the study of matter, its structure, properties, and the changes it undergoes. Instruction utilizes differentiated methods to accommodate various learning styles, and technical concepts are broken down using explicit instruction. Abstract ideas are mastered through leveled problem sets with guided templates. This course includes hands-on laboratory activities, which include modeled procedures and visual organizers to support the three-dimensional learning of science (Science and Engineering Practices, Disciplinary Core Ideas, and Crosscutting Concepts) in the classroom.

PHYSICS

This course will emphasize the physics portion of the Michigan Merit Curriculum physical science requirements. Abstract concepts are made concrete through hands-on demonstrations and visual supports, and complex problem-solving is managed through leveled assignments that provide scaffolding and explicit formulas. This course includes hands-on laboratory activities used to support the three-dimensional learning of science (Science and Engineering Practices, Disciplinary Core Ideas, and Crosscutting Concepts) in the classroom.

SOCIAL STUDIES

SOCIAL STUDIES LIFE SKILLS

In this course, students explore concepts of community, personal responsibility, and citizenship through accessible and functional content. Instruction includes understanding roles in the community, learning basic geography, and developing an awareness of current events. Emphasis is placed on personal rights, responsibilities, and social skills needed to participate safely and appropriately in school, home, and community settings. This course is designed for students on a certificate of completion.

SOCIAL STUDIES ESSENTIALS

This course integrates foundational social studies content with functional life skills to help students understand their world and their role in it. Topics include community roles, government basics, geography, and current events, taught through accessible materials and interactive activities. This course is designed for students on a certificate of completion.

GLOBAL STUDIES A & B

This course is a survey of global events beginning with the Middle Ages to the world wars. Emphasis is placed on reading, writing, research, and presentation skills. Global Studies in the resource room setting will be delivered through differentiated instruction designed to meet varied learning needs, including scaffolded support on daily work as well as formative and summative assessments.

AMERICAN HISTORY A & B

This course is a survey of the broad picture of American History from the Progressive Era to present events. US History in the resource room setting will be delivered through differentiated instruction designed to meet varied learning needs, including scaffolded support on daily work as well as formative and summative assessments.

GOVERNMENT

A basic course designed to develop a reasonable, informed citizen in the local, state, and national government areas. This course will concentrate on governmental procedures, political parties, and voting systems. This course may not be offered every semester.

ECONOMICS

This course is a study of the American economic system and economic systems. The emphasis will be on the practical functions of the market place and practical applications of economic theory.

PRE-VOCATIONAL

COMPUTER APPLICATIONS

The purpose of this class is to provide the student with an introduction to the fundamentals of computers. Students will gain an understanding of the history of technology, and gain experience in the use of word processing, spreadsheets, and communication applications. This class will not be offered every semester.

CONSUMER ECONOMICS

The course emphasis is on the student as a consumer. Content will examine the economic system, family economics, business education, and the practical applications of economics as it affects the individual.

PERSONAL ADJUSTMENT

This course provides students the opportunity to enhance self-esteem and improve life management skills. Goal setting, problem solving, and values clarification are a few of the topics to be covered.

PERSONAL FINANCE

This class helps students understand the financial activities they will likely encounter in life after high school. This course incorporates differentiated and specialized instruction to meet the diverse learning needs, strengths, and goals of each student. Course topics include the purpose of credit, saving and investing (stocks, mutual funds, bonds, real estate), the time value of money, loans (car, mortgage), renting vs. owning, financing college, income taxes, identity theft, insurance, career exploration, and stock market portfolio simulation. Instruction is adapted to provide multiple access points for learners, using hands-on projects and real-world scenarios to make content meaningful and applicable.

PERSONAL LIVING

The step from high school into an adult living style is the focus of this course. It comprises the basic skills needed for independent living as an adult working person. Instruction is delivered using differentiated and specialized teaching strategies to support diverse learning needs and ensure accessibility for all students. Topics include establishing values and goals, finding a job or choosing a college, managing finances—including understanding a paycheck, taxes, everyday expenses, banking—and navigating the legal system. Real-world applications and functional skill-building are emphasized to prepare students for life beyond high school.

LIVING SKILLS – COMPREHENSIVE

The purpose of this class is to develop the skills necessary for independent living. This will include the home, workplace, decision making and leisure time.

CAREER EXPLORATION

This course provides the student with an opportunity to engage in career exploration. The student will develop an array of employment skills and functional social and life skills necessary for successful adjustment to independent community living.

WORK SKILLS

This course will help the students investigate, reflect, analyze, and synthesize how the interconnected puzzle of school, job, and life fit together. Lessons will be designed to promote self-knowledge, life roles, and foster career exploration.

PHYSICAL EDUCATION

PHYSICAL EDUCATION

This class will offer the student the fundamentals of developing and applying an individualized conditioning program. Focus will be on the specific needs of each student. Included will be strength training, diet, nutrition, aerobics, and cardiovascular training. Class will not be offered every semester. Students must have approval for entrance into this class.

HEALTH*

The course provides information regarding personal health, life cycles, HIV/AIDS instruction, consumer health, reproductive health, family planning, safety, and substance use and abuse. This class will not be offered every semester and needs instructor approval for entrance.

*State guidelines require that parents are notified each year of their right to review the course materials to be used in this course and their right to exclude their child from any portion(s) of instruction.

Name: _____

Hartland High School Graduation Requirements Checklist

English (4 credits): ___ English 9 A & B (1) ___ English 10 A & B (1)

____ English 11 A & B (1) ____ English 12 A & B (1)

Math (4 credits): ____ Algebra I A & B (1) ____ Geometry A & B (1)

____ Algebra II A & B (1) ____ Senior Math A & B (1)

Science (3 credits): ____ Biology A & B (1) ____ Earth Science A & B (1)

____ Chemistry A & B (1) OR Physics A & B (1) (Prior to the Class of 2028)

____ Chemistry (.5) (Class of 2028 & beyond) ____ Physics (.5) (Class of 2028 & beyond)

Social Studies (3 credits): ___ Global Studies A & B (1) ___ American History A & B (1)

____ Economics (.5) ____ American Government (.5)

PE (1 credit): ___ PE: Intro to Fitness (.5) ___ Health (.5)

World Language (2 credits): ____ 1st Year A & B (1) ____ 2nd Year A & B (1)

VPA (1 credit): _____ (.5) _____ (.5)
(Art, Music, CAD, etc.) Course 1 Course 2

Other: Personal Finance (.5) (Class of 2028 & beyond) MME / MI Access

Number of credits needed for graduation:

Class of 2027 – 26 Class of 2028 – 26 Class of 2029 – 26 Class of 2030 – 26