DAVISON HIGH SCHOOL

Course Selection Book

2025-2026

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The person designated to handle any questions and/or complaints concerning the non-discrimination policy of Davison Community Schools is Christine Kuzisnski, Director of Human Resources, 1490 N. Oak Rd., Davison, MI 48423 (810-591-0808).

INTRODUCTION

This course selection book is designed to assist students and parents in selecting classes for the 2025-2026 school year.

The first part is designed to help the student with career planning and choosing core classes and electives that will support his/her career path. Please read this section carefully and consider these recommendations when choosing classes.

The second part of the book is divided into sections by department. Each section contains courses offered, *Prerequisite*s, credit given, and a brief description of each course. Graduation requirements are provided in detail.

Important information has been outlined in the next few pages. We encourage students to read the book carefully and discuss course selections with parents. Questions may be directed to the appropriate counselors:

Student's Last Name	**Counselor's Name**
A through **EL**	**Mrs. Hyrman**
EM - LA	**Mr. Sturgess**
LE - RI	**Mrs. Tibbitt**
RO - **Z**	**Mrs. Martin**
Davison Early College	**Mr. Quertermous**

GRADUATION REQUIREMENTS
Classes of 2025, 2026, 2027 & 2028

SUBJECT	COURSES REQUIRED FOR GRADUATION	# of Credits Required
English	All students must successfully complete English 9, 10, 11, & 12. AP Language fulfills the English requirement for 11th grade and AP Literature fulfills the English requirement for 12th grade.	4
Math	One credit in Algebra I, one credit in Geometry, one credit in Algebra 2, and one credit of math or an approved math-related full year course in the final year of high school.	4
Health	All students must earn ½ credit.	½
Phys. Ed.	All students must earn ½ credit in a Physical Education course or by participating in a district approved extra-curricular athletic program or marching band.	½
Science	All students must earn three credits in science including one credit in a Physical Science course and one credit in Biology. An additional science credit in Chemistry, Astronomy, Microbiology, Environmental Science, Anatomy & Physiology and/or Physics is strongly advised.	3
World Studies	All students must earn three credits including: one credit of World History (9th), one credit of United States History (10th), ½ credit of United States Government or AP American Government (11th-12th), and ½ credit in Economics or AP Macroeconomics or AP Microeconomics.	3
VPAA-Arts & CTE	All students must earn one credit in Fine Arts, including Visual and Performing or Applied Arts, CTE, DTV, and some GCI courses, etc.	1
World Languages	All students must earn 2 credits in the <u>same</u> world language in order to graduate. This is a State of Michigan requirement. For clarification purposes, completion of ASL I and ASL II will satisfy this requirement. *Please note that students will have the option to replace one credit of world language with a state approved CTE course /program <u>or</u> with an additional 1 credit Visual, Performing, or Applied Arts (VPAA).	2
Electives	All students will fill their remaining schedule with elective courses that allow them to learn more about career fields and explore areas of interest.	5-6
On-Line Experience	The 20-hour requirement for an on-line experience will be met through the Educational Development Plan (EDP) process.	20 hrs.
Personal Finance*		.5

Beginning with the graduating class of 2028, students will be required to complete ½ credit of Personal finance to meet graduation requirements.

CREDIT ADVANCE BY GRADE

8th to 9th: Students who do not pass at least 5 classes in 8th grade may be required to take Success 101 as a freshman.

Grade Promoting From	Beginning of Year Requirements	Mid-year Requirements
9th to 10th grade	5 credits earned	8 credits earned
10th to 11th grade	11 credits earned	14 credits earned
11th to 12th grade	17 credits earned	20 credits earned

Students must meet these requirements by the second Monday in August of the school year. If they do not meet the credit requirement needed to advance to the next grade level, the students will be withdrawn from Davison High School and will need to enroll in Davison Alternative Education High School where they can obtain additional credits and get back on track to graduate in four years. Students may apply for readmission to Davison High School once they are back on track to graduate with their class in four years. Davison High School does not accept fifth year seniors. The only way a student can be considered for a fifth year at Davison High School is if:

1.) They can earn the credits needed for graduation in one semester.
2.) They have passed <u>all</u> classes the previous year.

TRANSFER STUDENTS

Transfer of Credits

Students transferring to Davison High School from other schools must meet the course requirements for Davison High School in order to graduate and receive diplomas. In cases where the curriculum is significantly different from that of Davison, or failures are indicated, the high school principal will make evaluations to determine how much the students are behind and which courses will be required to satisfy graduation requirements.

Students without sufficient credits to be placed at the appropriate grade level will be required to attend Davison Alternative Education High School (DAE) for credit recovery. Students generally spend a year at DAE.

1. CREDIT REQUIREMENTS FOR ADVANCEMENT BY GRADE

In the fall of each school year, credit checks will be completed at all grade levels to make sure each student is eligible to advance to the next grade level. The criteria for advancement is:

9th to 10th: 5 credits earned
10th to 11th: 11 credits earned
11th to 12th: 17 credits earned

At midyear, a student will be advanced with the following criteria:

9th to 10th: 8 credits earned
10th to 11th: 14 credits earned
11th to 12th: 20 credits earned

<u>Note</u>: Davison High School does not accept fifth year seniors. The only way a student can be considered for a fifth year at Davison High School is if:

1.) They can earn the credits needed for graduation in one semester.
2.) They have passed all classes the previous year.

Students who wish to transfer credits from a home-school program must have all credits reviewed by the principal and superintendent for approval of credit. Students without official transcripts may be required to complete placement tests in order to receive transfer credits. The board policy on home-school credits will be followed.

To receive a diploma from Davison High School, students must:

1. Meet all credit and graduation requirements.
2. Have attended a minimum of one semester with a full schedule, i.e. at least six classes, at DHS
3. Attend a minimum of two consecutive semesters to be considered valedictorian or salutatorian.

When transferring credits into DHS, the following procedures will be used:

1. All classes taken and all grades earned at another school will be shown on transcript. "TR" will be designated next to the title of each course transferred. A zero will be denoted in the credit column for courses we do not accept for graduation.
2. Students may transfer a maximum of six credits per school year (three/semester) unless courses were taken in an extended day.
3. All core classes (Math, Science, English, Social Studies) will count toward the student's GPA.

High School Courses completed PRIOR to the 9th Grade:

Students who have completed courses at Davison Middle School that meet the Michigan Merit Curriculum benchmarks for high school-level courses prior to 9th grade will earn credit for the course. The course grade will be reflected on the high school transcript as a transfer credit, and the letter grade will not be factored into the high school GPA. Only courses completed in grades 9-12 will be used toward the cumulative GPA calculation.

Online Credits for Advancement:

Students completing online courses to earn credits for advancement, outside of the regular school calendar, must follow the process below. The grades for the online courses must be reflected on an official transcript from an accredited institution, as determined by Davison Community Schools (GenNet Portal and MiVirtual). Courses for online credits for advancement cannot be completed in core academic subjects such for ELA, math, science, history, or government. Courses for advancement may only be completed outside the normally scheduled school day.

Process for Online Credits for Advancement:

- Students must have prior approval from the building principal and work through their counselor to take an online course.
- Credits for advancement options are handled on a case-by-case basis.
    - As indicated in the EDP, the student's career path must support a compelling reason for justifying the need to complete online courses for credit advancement.
    - A parent meeting must be held with the assigned guidance counselor before enrollment in an approved transfer-in course.
- Students are required to pay the full cost of tuition and other expenses for the course.
- Only courses from accredited institutions approved by the district may be completed for

transfer-in credit advancement (GenNet Portal and MiVirtual).

- Students are limited to one transfer-in credit for advancement per school year.
- The final transcript for online credits for advancement must be submitted to the student's counselor before the start of the next school year.

Davison Community Schools is not obligated to provide technical or academic assistance to students electing to take an online course for credit advancement.

FOREIGN EXCHANGE TRANSFER CREDITS

Students wishing to participate in a foreign exchange program must notify the principal's office prior to enrollment in the program. Students who plan to have any foreign exchange credit transferred to Davison High School upon return to Davison High School must follow appropriate procedures listed below. Failure to comply with all of the following guidelines may result in forfeiture of any transfer credit. The student and/or parent must:

1) Meet with the high school principal prior to attending the foreign exchange program to discuss the requirements.

2) Receive credit (including a passing grade) for any class in the foreign exchange school which may be transferred to Davison High School.

3) Upon return to Davison High School, meet with the principal and provide:

- All documents must be translated in English.
- A written request (from the student or parent) for transfer of credits. A copy of this request must also be sent to the Assistant Superintendent for Curriculum and Personnel.
- An official transcript from the foreign exchange school which clearly displays the grades received and credit earned.
- A written summary of the classes in which a passing grade was earned and the time spent (per week and per year) in each class.
- Other written documentation which may be helpful, such as a course syllabus for each course taken.

The principal will review the documents submitted and, in consultation with a central office administrator, determine the amount of transfer credit that will be granted. In general, students may receive up to six (6) credits per year of foreign study. Courses to be transferred will be prorated to the maximum credits allowable (six per year of study) based on the approximate class time spent in each subject. Grades for transfer credit will be translated into the Davison High School standard and will be posted on the student's Davison transcript.

NCAA FRESHMAN-ELIGIBILITY STANDARDS QUICK REFERENCE SHEET

KNOW THE RULES:

For more information regarding the rules, please go to www.ncaa.org.
Click on "Academics and Athletes" then "Eligibility and Recruiting."
Or visit the clearinghouse Web site at www.eligibilitycenter.org

Core Courses

- NCAA Division I and Division II require 16 core courses.
- NCAA Division I and Division II will require 10 core courses to be completed prior to the seventh semester (seven of the 10 must be a combination of English, math or natural or physical science that meet the distribution requirements below). These 10 courses become "locked in" at the seventh semester and cannot be retaken for grade improvement

□ *Beginning August 1, 2016, it will be possible for a Division I college-bound student-athlete to still receive athletics aid and the ability to practice with the team if he or she fails to meet the 10 course requirement, but would not be able to compete.*

Test Scores

- All SAT and ACT scores must be reported directly to the NCAA Initial-Eligibility Clearinghouse by the testing agency. When registering for the SAT or ACT, use the clearinghouse code of 9999 to make sure the score is reported to the clearinghouse. If a student does not use this code, there is a fee to have scores sent by the testing agency.
- Division I and Division II have a sliding scale for test score and grade-point average. The sliding scale can be found at eligibilitycenter.org.
- The SAT score used for NCAA purposes includes only the critical reading and math sections. The writing section of the SAT is not used.
- The ACT score used for NCAA purposes is a sum of the four sections on the ACT: English, math, reading and science.
- All SAT and ACT scores must be reported directly to the NCAA Initial-Eligibility Clearinghouse by the testing agency. Test scores that appear on transcripts will no longer be used. When registering for the SAT or ACT, use the clearinghouse code of 9999 to make sure the score is reported to the clearinghouse.

Grade-Point Average

- Only core courses are used in the calculation of the grade-point average.
- **Be sure** to look at your high school's list of NCAA-approved core courses on the clearinghouse Web site to make certain that the courses being taken have been approved as core courses. The Web site is: www.ncaaclearinghouse.net
- **Division I** grade-point-average requirement is 2.30.
- **The Division II** grade-point-average requirement is a minimum 2.20.

CORE UNITS REQUIRED FOR NCAA CERTIFICATION

DIVISION I
16 Core-Course Rule

16 Core Courses:

4 years of English.
3 years of mathematics (Algebra I or higher).
2 years of natural/physical science (1 year of lab if offered by high school).
1 year of additional English, mathematics or natural/physical science.
2 years of social science.
4 years of additional courses (from any area above, foreign language or comparative religion/philosophy).

DIVISION II
16 Core-Course Rule

16 Core Courses:

3 years of English.
2 years of mathematics (Algebra I or higher).
2 years of natural/physical science (1 year of lab if offered by high school).
3 years of additional English, mathematics or natural/physical science.
2 years of social science.
4 years of additional courses (from any area above, foreign language or comparative religion/philosophy).

PLEASE NOTE: For students first entering any NCAA college or university on or after August 1, 2005, **computer science** courses may only be used for initial-eligibility purposes if the course receives graduation credit in mathematics or natural/physical science and is listed as such on the high school's list of NCAA-approved core courses. *Please call the NCAA Eligibility Center if you have questions: toll-free number (877) 622-2321.*

NCAA APPROVED CLASSES AT DHS

***IMPORTANT NOTE** - If you are interested in applying for NCAA certification, you should do so during or immediately following your JUNIOR year in high school. Please see the list below for Davison High NCAA approved classes:

English

English 9	AP Language & Composition
Honors English 9	AP Literature & Composition
English 10	Modern American Literature (Humanities)
Honors English 10	
English 11	
English 12	

Math

Algebra I	Trigonometry w/Pre-Calculus
Geometry	Honors Trigonometry w/Pre-Calculus
Honors Geometry	Brief Calculus
Algebra II	AP Calculus AB
Honors Algebra II	AP Calculus BC
Algebra II-A	Statistics
Algebra II-B	
AP Statistics	

Social Science

World History & Geography	AP Macroeconomics
Honors World History & Geography	Psychology
U.S. History Geography	AP Psychology
AP U.S. History & Geography	Sociology
U.S. Government	Criminal Law
AP U.S. & Comparative Gov't & Politics	Civil War
Economics	AP Microeconomics

Science

Physical Science 9	Honors Physics
Honors Physical Science 9	AP Biology
Biology	Microbiology
Honors Biology	Human Development
Chemistry	Anatomy & Physiology
AP Chemistry	
Physics	

World Language

French I	Spanish I
French II	Spanish II
French III	Spanish III
French IV	Spanish IV
French V	AP Spanish Language & Culture

EARLY GRADUATION

Graduation normally requires eight (8) semesters. If students wish to graduate early, they must meet with the high school principal and their counselor in advance for instructions.

DROPPING A CLASS

In the event it is necessary to change schedules, students must do so within the first two weeks of the first semester. All 2nd semester changes should occur before 2nd semester begins or within the 1st week of the start of the 2nd semester. For both semesters, the only exceptions are academic misplacements.

Note: Students may not drop or transfer out of the 2nd semester of a year-long class unless academically misplaced. Any deviations from these guidelines will be made only with the approval of the principal or his/her designee. Any class dropped after the drop/add period will result in a WF (Withdraw/Fail).

EARNING COLLEGE CREDIT IN HIGH SCHOOL

DAVISON EARLY COLLEGE (DEC)
"PARTNERSHIP WITH MOTT COMMUNITY COLLEGE"

The Davison Early College is a three-year high school program designed to allow a student to earn a high school diploma while simultaneously earning college credits towards a Michigan Early College Association (MEMCA) certification or up to an Associate's Degree upon completion of their 5th year of high school. This program is a great head start on college and in life by earning college credit or a certification for FREE while still in high school.

Students apply for the DEC program during the fall of their 10th grade year. It is an application based program. Students must have a 2.5 GPA and commit to the Davison Early College program by the beginning of their 11th grade year. For more information regarding program qualifications and the application process contact Mr. Marty Quertermous located in room 230.

Grade	Davison High School Classes	MCC classes Fall Semester Semester I	MCC classes Winter Semester Semester II
10th	Students normal 6 hour day at DHS		**CASD-121** (Study and Learning Skills)* 1 credit online course enrolled through Mott. Students should report to school Wednesday mornings during student help time to complete
11th	DHS classes scheduled around MCC classes	2nd – 3rd hour block time **PSCN-170** (Introduction to American Government)** **PHIL-295** (Ethics)**	2nd – 3rd hour block time **COMM-131** (Fundamentals of Public Speaking)** **Psyc 281** (General Psychology) **
12th	DHS classes schedule with individual career plans ***	Students will take college courses at Mott Community College (Main or Lapeer campus) according to their individual career plan and academic goals. (Max 12 credits per term)***	
13th	DHS classes during 13th year would be taken online.	Students will continue to take courses at Mott Community College according to their individual career plan and academic goals. Students will also complete their final high school requirements and a required math related course. (Max 15 credits per term)***	

****MCC classes and times are subject to change.**
*****Based on student academic success.**

ADVANCED PLACEMENT PROGRAM

Davison High School is pleased to offer a variety of Advanced Placement classes to its students. These classes are designed for students who desire an unusually rigorous curriculum to reach their full potential. These classes may require advanced research, reading, and writing. They also prepare students during their high school years to do college-level work. Registration in Advanced Placement courses should be carefully considered because the work in these courses and the pace at which the courses are taught will be advanced and commensurate to college-level work. Classes for next year will be sectioned based on the number of student requests. In the event that the number of requests for AP classes is too small to run a section, the course will not be offered, and the student will be asked to select a different class.

MATH: AP Calculus AB and AP Calculus BC and AP Statistics

SCIENCE: AP Biology and AP Chemistry

ENGLISH: AP English Literature & Composition* and AP English Language & Composition*

SOCIAL STUDIES: AP Psychology, AP Macroeconomics, AP Microeconomics, AP U.S. History*, and AP U.S. Government and Politics, AP Comparative Government and Politics

FOREIGN LANGUAGE: AP Spanish Literature and Culture

CAREER TECH: AP Computer Programming

**Summer reading required*

Weighted Grading Policy
All students taking the Advanced Placement exam will receive a weighted grade if they take the Advanced Placement Exam in May. The formula for determining the student's grade point average will be as follows: a semester grade of A will be worth 5 points, a B will be worth 4 points, a C will be worth 3 points, a D will be worth 2 points, and an E is worth 0 points.

Advanced Placement (AP courses) provides students with rigorous curriculum scripted by the College Board. Students are encouraged to take the College Board Advanced Placement exam in May. Payment for the exam is due at the start of the school year. Depending on the score they earn on the exam, colleges and universities can honor their score as completed credit on their end. Each college or university has a different qualifying score, so students are encouraged to check with their particular college/university.

EARLY ADMIT TO COLLEGE

For students who would like to take a college course on top of their 6-hour day to earn college credit it is called Early Admit. Students would need parental and high school permission and would pay full cost of the classes. If student requests a college course to take the place of a credit toward graduation at DHS, the policy will be as follows:

1. When the student applies to the college, the student will ask to have the college transcript sent back to the high school.
2. The class will appear on the high school transcript as an early admit, and the grade will be computed into the GPA.
3. College courses taken for credit to be used toward core classes for graduation requirements are subject to approval.
4. All deadlines must be met.
5. Early admit courses are never included in the students' six (6) period day.
6. The student assumes all financial responsibility for the class.

   NOTE: Students may enroll in college courses on their own without bringing it in for high school credit.

DUAL ENROLLMENT

Dual enrollment is a program that allows students to take a class at a local college or university as part of their regular school day. Students will earn credit from the college and can earn credit for that course from Davison High School as well. Dual enrollment is open to students who have met the following criteria: a minimum GPA of 2.5 to enroll at Mott Community College; a minimum GPA of 3.2 is required to dual enroll at University of Michigan-Flint. Students must also meet qualifying scores on the PSAT, SAT, MEE, or ACCUPLACER exams. Here are guidelines for selecting college courses:

1. The college class must be one that is not offered at Davison High School.
2. The student must have exhausted a program of study by successfully completing the highest level offered at Davison High School in that discipline.
3. The student may enroll in a college course for a subject that is offered by DHS but is not available to the student due to a scheduling conflict.
4. All deadlines must be met.

Davison Community Schools has a maximum dollar amount predetermined by the state of Michigan to cover tuition. However, if the tuition exceeds the predetermined dollar amount set by the state, students' parents are expected to pay the difference. If you are interested in more information about dual enrollment, contact your child's school counselor.

DUAL ENROLLMENT CREDIT PROCEDURES

The following guidelines and procedures have been established for students wishing to apply for post-secondary enrollment options at Davison High School.

1. High school credit granted:

College Course:	**High School:**
1 semester credit	0.25 credits
2 semester credits	0.5 credits
3 semester credits	0.75 credits
4 semester credits	1.0 credits

2. No high school credit will be granted for college courses which have duplicate content to courses taken at Davison High School. Final determination of duplicate content will be made by the high school principal in consultation with the academic department.
3. A request that a college course be used for high school credit must be made in writing by the student and signed by the parent prior to registration for the class. Permission will be granted or denied in writing by the high school principal.
4. Any grade deemed passing by the college or university will be acceptable for high school credit for approved college courses.
5. Grades given at a college or university for high school credit will be included when calculating the student's high school GPA.
6. Students who do not complete a course at the university or college will receive a WF on the high school transcript. All high school deadlines must be met.
7. Courses taken for high school credit may not be eligible for college credit at some institutions. **Failing a Course:** If a student participating in the postsecondary (dual) enrollment program fails to successfully complete an eligible course, the student and his/her parents are responsible for reimbursing the District for such charges incurred by the District for such enrollment.

ARTICULATED CREDIT
IN CAREER/TECHNICAL EDUCATION (CTE) COURSES

Articulated credit in Michigan allows high school students enrolled in CTE programs to earn college credit while still in high school. This is achieved through formal agreements between high schools and colleges, where specific CTE courses are recognized as equivalent to college courses. By successfully completing these courses with a “C” or better, students can receive college credit that can be transferred to a participating college or university. This can save students time and money in their college education, as they can potentially graduate sooner or reduce the number of credits they need to complete.

If a student completes any of the following CTE courses at Davison High School with a “C” or better both semesters, that student is entitled to receive free articulated college credits at select post-secondary institutions:

Business (BMA I, BMA II)
Marketing (Marketing I, II & III)
Accounting I
Automotive Technology (Auto I, Auto II, Auto III)
Construction Trades (Construction Trades I & II)
Engineering (IED, POE, & Mechatronics/Robotics)
Radio & TV Broadcasting (DTV I, DTV II, DTV III, DTV IV)
Health Science (Health Science I (PCT) & Health Science II (MA))
Computer Programming (Computer Programming & AP Computer Programming)
System Administration (Computer Repair & Computer Networking)
Education (Teacher Cadet I & II)

If you have questions about articulated credit that you should receive, please contact your counselor or Davison’s CTE Director, Mr. Oddi. You can email Mr. Oddi at toddi@davisonschools.org to set up an appointment.

This link & QR Code provides a list of colleges in Michigan that have agreements in place to accept certain high school courses for college credit. However, it's important to remember that each college, CTE program, and student's situation is unique. To ensure a smooth transfer process, please consult with your high school counselor, CTE Director, or a college advisor. They can help you understand the specific requirements and procedures for transferring credits to your chosen college.

COURSE DESCRIPTIONS

ENGLISH

Students will take classes that emphasize reading, literature, writing, listening, and speaking objectives as defined by the Michigan Department of Education. All students are required to take and successfully complete four year-long classes.

NOTE: If a student chooses to take an elective, he/she needs to be aware that the course is elected in addition to required English classes.

COURSE OFFERINGS FOR EACH GRADE LEVEL ARE AS FOLLOWS:

FRESHMAN
English 9
Honors English 9
Electives: Yearbook*

SOPHOMORES
English 10
Honors English 10** (Teacher recommendation advised for current students)
Electives: Yearbook*

JUNIORS
English 11
AP Language and Composition (check *Prerequisite*s***)
Electives: Yearbook*, Modern American Literature (Humanities)*

SENIORS
English 12
AP Literature and Composition***
Electives: Yearbook*, Modern American Literature (Humanities)*

*** Does not count as an English credit and does not fulfill a high school English requirement. It counts as an elective credit for graduation. (Applied Arts)**

** **CRITERIA FOR FRESHMAN HONORS ENGLISH:**
English instructor's recommendation advised

***Opportunity to possibly earn "College Credit"**

ENGLISH

ENGLISH 9 (1 credit, 9th grade)

***Prerequisite*:** *None*

The goal of this course is for students to develop the language skills to be successful in high school and beyond, using individualization and direct instruction to improve reading, writing, comprehension, and grammar. A variety of written formats will be explored including narrative, persuasive, informational, and descriptive. Students will experience a variety of genre: mythology, novels, non-fiction, and drama.

HONORS ENGLISH 9 (1 credit, 9th grade)

***Prerequisite*:** *Above 65th percentile on NWEA Reading test is advised*

This is a course designed for students who have exceptional language skills and the ability to grasp abstract concepts. A variety of written formats will be explored including narrative, persuasive and informational. Students will experience a variety of genres: mythology, novels, non-fiction, and drama. Students will analyze and evaluate a variety of literary works. Students in this course will be working toward the Advanced Placement exam (See Honors English 10). Extensive reading and writing are required.

ENGLISH 10 (1 credit, 10th grade)

***Prerequisite*:** *English 9, Honors English 9*

The goal of this course is to develop literacy skills for post-high school education and the world-of-work. Students will read and write through the genres of poetry, personal narratives and memoirs, short stories, novels, informative research essays, drama, and film analysis. They will also study grammar, literary techniques, and persuasive techniques.

HONORS ENGLISH 10 (1 credit, 10th grade)

***Prerequisite*:** *Teacher recommendation is advised (*See criteria at beginning of English Section.)*

Like Honors English 9, this course is designed for those with exceptional skills in language arts. Students will exercise frequent reading and literary analysis techniques based on multiple genres of literature such as fiction, memoir, fantasy, and non-fiction. Extensive writing will encompass the four modes of discourse. In addition, a consistent focus will be given to advanced vocabulary, grammar, compositional organization, and presentation skills. Content and activities are geared toward preparing students for the AP English courses.

ENGLISH 11 (1 credit, 11th grade)

***Prerequisite*:** *English 10*

This class is based on a survey of American Literature, moving through Native American Mythology, Puritans, Rationalism, Realism, etc. to the present, tracing the origin and recurring themes in literature. While reading the literature, students will focus on improving active reading skills through annotation and note taking. Writing is focused on the following four modes: literary analysis, narrative, rhetorical analysis, and synthesis. Preparation for the high school state assessment(s) will be included.

AP LANGUAGE AND COMPOSITION (1 credit, 11th grade) **COLLEGE CREDIT*****

***Prerequisite*:** *Successful completion of an English 10 class*

Advanced Placement English Language and Composition is a course designed to provide students with a college-level experience that challenges strong readers and writers and prepares them for the AP exam in May. Students study argument and rhetoric through nonfiction texts from a variety of eras, cultures, and forms. Additionally, students will complete independent reading concentrations of their choice. The class develops both critical thinking skills and a sophisticated, controlled writing voice. Students will engage in a range of process persuasive and analytical essays, present in small and large group settings, and take an active role in their learning. Students who earn a passing score on the College Board's exam have the potential to receive college credit. All students are encouraged to take the College Board AP exam associated with this course in the Spring.

ENGLISH 12 (1 credit, 12th grade)
***Prerequisite*:** *Successful completion of an English 11 class*

This course prepares students for the next level of learning after high school by fostering critical thinking and independent learning strategies. First semester focuses on literary analysis and making contemporary connections to literature through discussion and analysis, while second semester highlights speaking skills and building strong arguments through logic, research, and debate. Students will gain career readiness skills such as resume building and interview skills. The year ends with Senior Exit Presentations, in which students reflect on who they are, where they are going, and how they will get there.

AP LITERATURE AND COMPOSITION (1 credit, 12th grade) **COLLEGE CREDIT*****
***Prerequisite*:** *Completion of AP Language is highly recommended or successful completion of English 11*

This course is designed to provide students with a college level experience and to prepare them for the AP exam in May. It will cover literature from a variety of genres and time periods including both American and British authors. Emphasis will be placed on analyzing literature both on its own terms and in its historical, cultural, and literary context. Additionally, students will complete independent reading concentrations of their choice. Students will practice applying various literary analysis approaches to shorter works and multimedia in preparation for a longer analytical paper on an anchor text. The advantage of this approach over others is that it trains students to think critically about text rather than just memorize facts. Students will engage in a range of full process and timed writing that is analytical in nature. Students will be required to write frequently, critically, and for a variety of purposes. Emphasis will be placed on complex thought and critical thinking skills. Students are encouraged to take the College Board AP exam associated with this course in the Spring.

YEARBOOK/PUBLICATIONS (1 credit, 9th, 10th, 11th, & 12th grades) *(Non-English Credit) Applied Arts*
***Prerequisite*:** *B average in previous English courses, or consent of instructor.*
(*Students must submit applications to the yearbook adviser)

In this yearlong publication class, students will produce a completed yearbook. Students will utilize knowledge gained in all content areas and see how this knowledge applies outside the classroom. Students must possess strong writing, grammar, computer, and organizational skills and be able to work independently as well as in teams. Students are required to work after school in order to meet deadlines and required to sell ads to businesses in the community. Students are responsible for transportation for this requirement. Students must submit an application to the yearbook adviser.

MODERN AMERICAN LITERATURE (Humanities) (1/2 credit, 11th & 12th grades)
***Prerequisite*:** *None*

In this semester, course students will make connections among literature, art, history, film, mass media, music, and philosophy. By approaching different disciplines of the humanities, students will learn how to become critical thinkers of the modern world. Assessments will be full process writing in all modes, expository, creative, persuasive, and research. Media projects will be included in this course, as well as presentations and dramatic interpretations of literature.

MATHEMATICS

Due to new demands for mathematically literate people in the workplace and higher expectations on state mathematics tests, all students must complete a core curriculum. This curriculum includes fundamental algebra, geometry, data analysis and probability. The mathematics program provides experiences in all these areas.

With the increased use of technology in society and the workforce, scientific calculators or graphing calculators are used in all math classes.

Purchasing a graphing calculator (such as TI-83 or TI-84) is not required but is recommended for Algebra II and above courses. A purchased graphing calculator will not only be useful during course work but may be used on standardized tests, such as the PLAN, ACT, MME, or SAT and in future collegiate math courses.

Parents and students please note: Students must take a full credit of math or related mathematics during their senior year.

Michigan Merit Curriculum math requirements are as follows:

1) Four credits in math must be earned including:
   Algebra I, Geometry **and** Algebra II (or Algebra II-A and Algebra II-B)

2) A mathematics course or a mathematics related course must be taken during the senior year.

ALGEBRA I (1 credit, 9th, 10th, 11th, & 12th grades)
Prerequisite: *None*
Algebra I is designed to give students a foundation for all future mathematics courses. The fundamentals of algebraic problem-solving are explained. Students will explore: foundations of Algebra, solving equations, solving inequalities, and introduction to functions, linear functions, systems of equations and inequalities, exponents and exponential functions, polynomials and factoring, quadratic functions and equations, and radical expressions and equations. Throughout the course, Common Core standards are taught and reinforced as the student learns how to apply the concepts in real-life situations.

GEOMETRY (1 credit, 9th, 10th, 11th, & 12th grades)
***Prerequisite*:** *Completed and passed Algebra I*

This course contains traditional geometry concepts with proofs. Algebra and trigonometry are also included.

HONORS GEOMETRY (1 credit, 9th grade, 10th grade with instructor approval advised)
***Prerequisite*:** *Completion of Algebra I with a **"B-"** or better*

This course contains traditional geometry concepts along with algebra and trigonometry. Material is more in depth and rigorous.

ALGEBRA II (1 credit, 9th, 10th, 11th, & 12th grades)
***Prerequisite*:** *Completed and passed Algebra I and Geometry*

Algebra II is a college-bound mathematics course. Students will develop a higher level of understanding of previously learned algebra topics. A good foundation of Algebra I skills is necessary for success in Algebra II. Students will be expected to complete daily assignments to reach mastery of complex algebra topics. Graphing calculators will be used extensively. It is recommended that students have access to a graphing calculator outside of the classroom.

HONORS ALGEBRA II (1 credit, 9th, 10th & 11th grades)
***Prerequisite*:** *Completed and passed Geometry/Honors Geometry with a **"B-"** or better is highly recommended*

This course is for students who excelled in Algebra I and/or Geometry/Honors Geometry. Students will build upon previously studied algebra concepts, building on them at an advanced level at a vigorous pace. Students will be expected to complete daily practice to reach the highest level of mastery of complex Algebra II topics. Graphing calculators will be used extensively in this course.

ALGEBRA II-A (1 credit, 11th grade)

***Prerequisite*:** *Less than a C- each semester in Algebra I and Geometry. Placement is ultimately determined by the math department, in conjunction with the counseling department. Students are recommended for this course.*

Algebra II-A is a mathematics course that builds on previous algebra and geometry topics and includes some probability and statistics. Algebra II-A is the first year of a two-year course. It is designed to meet the state graduation requirements for students who will benefit from Algebra II spread out over two years. However, Algebra II-A will not cover all materials needed prior to SAT. ****Seniors who take Algebra II-A only, will need to file for a personal curriculum through their counselor in the Guidance Office.***

ALGEBRA II-B (1 credit, 12th grade)

Prerequisite: *Must have completed and passed Algebra II-A*

Algebra II-B is a mathematics course designed as a continuation of the Algebra II-A. Successful completion of Algebra II-A and II-B courses will satisfy the state graduation requirement for Algebra II.

TRIGONOMETRY WITH PRE-CALC (1 credit, 10th, 11th & 12th grades)

***Prerequisite*:** *Algebra II*

This course is designed as a transition from high school mathematics to college mathematics. It will contain topics from algebra, trigonometry and pre-calculus. The use of a graphing calculator is required. Students are encouraged to purchase a graphing calculator for this course.

HONORS TRIGONOMETRY WITH PRE-CALC (1 credit, 10th, 11th & 12th grades)

Prerequisite: *Honors Algebra II is highly recommended, **"B-"** or better in Algebra II*

This course is designed to prepare students for Calculus. It extends the concepts of functions, trigonometry, and other topics that were previously introduced in Honors Geometry and Honors Algebra II. In addition, this course introduces the concepts of limits and pre-calculus. Students are encouraged to purchase a graphing calculator for this course.

STATISTICS (1/2 credit, 11th & 12th grades)

***Prerequisite*:** *Algebra II or Honors Algebra II*

This course is recommended for the college-bound student who is looking for an introductory class about the application of statistics. This math class will focus on real world applications as they relate to statistics. Students are encouraged to purchase a graphing calculator for this course.

BRIEF CALCULUS (1/2 credit, 11th & 12th grade)

***Prerequisite*:** *Trigonometry with Pre-Calc or Honors Trigonometry with Pre-Calc*

This course is recommended for the college-bound student who is not planning a math or science major in college. This math class will focus on business and social applications as they relate to Calculus. Students will be exposed to all of the normal topics in Calculus: functions, graphs, limits, derivatives (product, quotient, chain and power rules), and applications of derivatives, logarithms and techniques of integrations. The pace will be slower than the AP Calculus course. The goal of this course is to help students become familiar with the basic topics of Calculus in order to be successful in their first year of Calculus in college.

AP CALCULUS-AB (1 credit, 11th & 12th grades) **COLLEGE CREDIT*****

***Prerequisite*:** *Trigonometry with Pre-Calc or Honors Trigonometry with Pre-Calc*

This course is recommended for the college-bound student who is planning a math or science major in college. AP Calculus AB is roughly equivalent to a first semester college calculus course. AP Calculus AB topics include: limits, derivatives, applications of the derivative, integrals, and the application of the integral. A graphing calculator is required for this course. Students will spend time preparing for the AP Calculus AB exam offered in May. Students who pass the AP Calculus AB exam may receive credit for this course. All students are expected to take the College Board AP exam associated with this course in the Spring.

AP CALCULUS-BC (1 credit, 11th & 12th grades) **COLLEGE CREDIT*****

Prerequisite: "B-"or above **in** Trigonometry with Pre-Calc or Honors Trigonometry with Pre-Calc is strongly recommended

This course is recommended for the college-bound student who is planning a math or science major in college. AP Calculus BC is roughly equivalent to both first and second semester college calculus courses. AP Calculus BC is an enhancement of the content learned in AP Calculus AB and extends to different types of equations and to the topic of sequence and series. A graphing calculator is required. Students will spend time preparing for the AP exam offered in May. Students who pass the AP Calculus BC exam may receive college credit for this course. All students are expected to take the College Board AP exam associated with this course in the Spring.

AP STATISTICS (1 credit, 11th & 12th grades) **COLLEGE CREDIT*****

***Prerequisite*: "*B-"** *or above in Algebra II or Honors Algebra II is strongly recommended*

The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes: 1.) Exploring Data: Describing patterns and departures from patterns 2.) Sampling and Experimentation: Planning and conducting a study 3.) Anticipating Patterns: Exploring random phenomena using probability and simulation 4.) Statistical Inference: Estimating population parameters and testing hypotheses. The use of a graphing calculator is required to actively participate in this course. All students are expected to take the College Board AP exam associated with this course in the Spring.

FINANCIAL LITERACY- (1/2 credit, 11th & 12th grades) **SENIOR MATH CREDIT**

Prerequisite: *None*

This course builds a foundation for financial decision making for students in the present and in the future. Topics will include different types of bank accounts and available financial services, credit cards, budgeting, saving and basic investing, and financial options for college including the FAFSA and scholarships. Students will have the opportunity to apply their skills to real life scenarios whenever possible. (Note: this course only counts as a senior math credit if taken in senior year.)

Classes for Senior Math Credit

The following courses have been approved as math related courses for seniors that can be counted for a fourth math credit. Additional courses offered at the Genesee Career Institute may qualify for a math credit as well.

* INTRO TO ENGINEERING DESIGN
* PRINCIPLES OF ENGINEERING
* ACCOUNTING
* MARKETING I, II, III
* AP COMPUTER PROGRAMMING
* AUTO I, II, III
* BMA I & BMA II
* MECHATRONICS/ROBOTICS
* FINANCIAL LITERACY
* COMPUTER PROGRAMMING
* CONSTRUCTION TRADES I
* CONSTRUCTION TRADES II
* ENTREPRENEURSHIP

SCIENCE

In an age when scientific knowledge is expanding at a rate greater than ever before, students must be familiar with scientific principles and methods. The Science Department offers a wide variety of courses which should meet the various interest and ability levels of our students.

1. **Minimum of three credits in science must be earned including**:

   A. One credit in Physical Science

   B. One credit in Biology

   C. An additional Science credit. Chemistry, Astronomy, Microbiology, Environmental Science, Anatomy & Physiology and/or Physics is strongly advised

PHYSICAL SCIENCE 9 (1 credit, 9th grade)
***Prerequisite*:** *None*

This course will include concepts from both physics and chemistry such as: motion of objects, electricity, magnetism, waves and vibrations, changes in matter, and energy. This course is designed to help prepare the students for the M STEP taken in their junior year.

HONORS PHYSICAL SCIENCE 9 (1 credit, 9th grade or permission of instructor)
***Prerequisite*:** *Recommendation from the Science Department is advised*

This course will include concepts from both physics and chemistry such as: motion of objects, electricity, magnetism, waves and vibrations, changes in matter, and energy. This course is designed to help prepare the students for the M STEP taken in their junior year. Students will be asked to do a more in-depth study of physical science with additional Engineering projects and lab activities.

ENVIRONMENTAL SCIENCE (1 credit, 11th & 12th grades)
Prerequisite: Biology/Honors Biology

Environmental Science is the study of the natural world and how it is influenced by human activity. Students will explore the patterns and processes of Earth and how these are affected by natural and human impacts. They will study environmental problems that our planet is facing today and various efforts to solve these problems, ultimately understanding the need for a sustainable future. Topics include: ecology, the biosphere, land, forests and soil, water, energy and resources, and societies and policy. Some of the goals of the course include: 1) Understanding how systems in the natural world are interconnected. 2) Examining the natural cycles of energy flow and evaluating how human interaction affects these cycles. 3) Modeling real-world situations and recognizing possible consequences of specific actions. 4) Defending the best choices to protect the environment with changing trends in human population. 5) Interpreting evidence and learning to report on environmental conditions and hazards. Fulfills third year science credit.

BIOLOGY (1 credit, 10th, 11th, & 12th grades)
***Prerequisite*:** *Physical Science or Honors Physical Science is recommended.*

Biology will use science and engineering practices to build models, understand unity and diversity, ecosystem dynamics, organism structures, processes, inheritance and variation of traits.

HONORS BIOLOGY (1 credit, 10th, 11th, & 12th grades)
***Prerequisite*:** Honors Physical Science *or teacher recommendation.*

It is similar to Biology but more in depth with additional research, presentations, and projects. (Not available to students with credit in Biology.)

AP BIOLOGY (1 credit, 11th, & 12th grades) **COLLEGE CREDIT*****

Prerequisite: *Biology or Honors Biology and completion of Algebra II or Honors Algebra II, and completion of Chemistry. Teacher recommendation is advised*

The AP Biology course will develop advanced inquiry and reasoning skills, such as designing a plan for collecting data, analyzing data, applying mathematical routines, and connecting concepts in and across domains. The result will be readiness for the study of advanced topics in subsequent college courses — a goal of every AP course. The AP Biology course is equivalent to a two-semester college introductory biology course and has been endorsed enthusiastically by higher education officials. The course will focus on 4 big ideas: 1) The process of evolution drives the diversity and unity of life. 2) Biological systems utilize free energy and molecular building blocks to grow, to reproduce, and to maintain dynamic homeostasis. 3) Living systems store, retrieve, transmit, and respond to information essential to life processes. 4) Biological systems interact, and these systems and their interactions possess complex properties. All students have the opportunity to take the College Board AP exam associated with this course in the Spring.

MICROBIOLOGY (1/2 credit, 11th, & 12th grades or permission of instructor)

Prerequisite*: "B-" or better in Biology or Honors Biology is highly recommended. Teacher recommendation is advised*

This is a hands-on lab course where students study microscopic organisms and the techniques for culturing, staining, and examining them. Bacteria, protozoa, and small invertebrates will be identified and studied with the aid of the microscope, and laboratory investigations. Laboratory experiments are part of weekly classroom activities. This course is designed for students interested in pursuing a science career in a health-related field.

HUMAN DEVELOPMENT (1/2 credit, 11th & 12th grades or permission of instructor)

Prerequisite**:** "*B- "or better in Biology is highly recommended*

Using project based learning; this course covers primate evolution, genetics, reproduction, embryology, fetal development, childbirth, and aging.

ANATOMY & PHYSIOLOGY (1 credit, 11th & 12th grades)

Prerequisite**:** "*B" or higher in Biology or Honors Biology. Teacher recommendation is advised*

In this course, students will study, in depth, the structure and function of selected systems of the human organism. This college-level course will use laboratory work, lectures, etc. Laboratory work will include dissection of various animals and organs in comparison to better understand the human body. This will comprise a significant portion of the course.

SPORTS MEDICINE (1/2 credit, 11th & 12th grades)

Prerequisite: "*B" average in Biology/Honors Biology. Teacher recommendation is advised.*

This course will introduce sports medicine through the study of the Human Body from the cellular to the system level including: skeletal, muscular, digestive (nutrition), genetics and cardiovascular systems. This will be a project based course by covering the development of athletic training. Students will look at various sports related injuries and learn how to prevent, assess, treat and manage those injuries.

CHEMISTRY (1 credit, 10th, 11th, & 12th grades)

Prerequisite**:** *Algebra II may be taken concurrently (10th grade with teacher approval)*
**Completion of Physical Science or Honors Physical Science is recommended*

Chemistry will include the study of matter and its properties, the changes that matter undergoes, and the energy associated with those changes. It is a college preparatory theory course with an emphasis on mathematical relationships in chemistry. The course will utilize general lab experiments and computer simulations to supplement and verify the theories presented. This course is designed to prepare students for AP Chemistry and / or college. Tenth grade college-bound students are encouraged to take this concurrently with Biology or Honors Biology.

AP CHEMISTRY (1 credit, 11th & 12th grades) **COLLEGE CREDIT*****

***Prerequisite*:** *1 year of Chemistry, 3 years of math (including Algebra II)*
Teacher recommendation is advised

This is a second-year chemistry class designed for college-bound students who may plan to major in science or wish to obtain college credit in chemistry. Subject content is equivalent to first-year college chemistry class. Students have the opportunity to take the College Board AP exam associated with this course in the Spring.

PHYSICS (1 credit, 10th, 11th & 12th grades)

Prerequisite: *Physical Science recommended. (10th grade with teacher approval)*

This course is designed for students who are not going into a science-related career in college. This is a conceptual (Algebra I – Level Math) approach to understanding physics principles through experiments and observing phenomena in everyday life.

HONORS PHYSICS (1 credit, 10th, 11th & 12th grades)

***Prerequisite*:** *Completed or enrolled in Honors Trig with Pre-calc*
or Trig with Pre-calc. Recommendation of instructor is advised (10th grade with teacher approval)

This course is designed for students who are going into a science related career in college. This is a classical (mathematical) approach to the Physical Sciences. Physics concepts and principles are introduced and developed through problem-solving procedures and experiments relating to real life situations.

WORLD STUDIES

The World Studies Department consists of two disciplines: world language and social studies. To fulfill the graduation requirements for the World Studies Department, students must successfully complete three credits from the social studies courses. The requirements are based on the premise that students must have a basic awareness and understanding of the social sciences to function in today's complex society. In addition to class work, students are expected to keep abreast of current events by viewing and interacting with multiple news sources regularly. The three credit requirement may be met in the following way:

1 credit of World History or Honors World History
1 credit of United States History or AP United States History
½ credit of United States Government or AP U.S. Government
½ credit of Economics or AP Macroeconomics or AP Microeconomics

College-bound students who are interested in pursuing a career in social sciences or humanities are encouraged to take 4 credits of social studies.

***Criteria for Honors World History**
- Has demonstrated high level of success in social studies curriculum
- Has strong interest in social studies content
- Teacher recommendation advised

***Criteria for AP Courses**
-Has demonstrated high level of success in social studies curriculum
-Has strong interest in content

SOCIAL STUDIES

WORLD HISTORY & GEOGRAPHY (1 credit, 9th grade)
Prerequisite: *None*

This course will deliver the main topics necessary for students to understand and demonstrate knowledge of world history and cultural foundations (especially as they relate to current issues facing the world today). In addition to an overview of significant historical eras and civilizations around the world, students will have the opportunity to investigate some or all of the following topics: middle ages, renaissance, reformation, nationalism, revolution, world religions, industrial revolution, imperialism, and the 20th century.

HONORS WORLD HISTORY & GEOGRAPHY (1 credit, 9th grade)
Prerequisite: *Admission based on criteria* ***(*See criteria above)***

This course is designed for students with exceptional skills. The content of the class is similar to World History, but issues and events are covered with more depth. Additional research, readings, presentations and/or projects are required. Students will work to develop skills intended to support and be applied to AP US History as a sophomore.

UNITED STATES HISTORY AND GEOGRAPHY (1 credit, 10th grade)
Prerequisite: *None*

The substance of this course is the study of people and events from the Industrial Revolution to the present using research and discovery methods with primary and secondary sources. Students will relate historical information to present and future problem solving. Events, ideas, and people are organized into thematic units for this course.

AP UNITED STATES HISTORY AND GEOGRAPHY (1 credit, 10th grade) **COLLEGE CREDIT*****
***Prerequisite*: (*See criteria above)**

This year-long course is designed for college-bound students who have strong interest in U.S. History. It focuses on the Pre-Columbian Era to the Present. Students will be required to write document-based essays pertaining to historical topics, and reading materials will include college level textbooks and supplemental readers. Students will also be required to complete a summer unit of study in preparation for this course. Those taking the course are qualified to take the AP examination in U.S. History in May. The course fulfills the U.S. History requirement. All students are expected to take the College Board AP exam associated with this course in the Spring.

UNITED STATES GOVERNMENT (1/2 credit, 11th & 12th grades)
***Prerequisite*:** *None*

The primary focus of this required American Government class is to assure that students have a working knowledge of a constitutional democracy. Topics addressed include: Congress, the Presidency, the Judiciary, Federalism, Civil Rights, and the Bureaucracy. Some emphasis is on other forms of government as well as our state and local governments. The goal is to prepare all students for the privilege of participating in their democratic process.

AP U.S. GOVERNMENT AND POLITICS (1/2 credit, 11th & 12th grades) **COLLEGE CREDIT*****
***Prerequisite*: (*See criteria above)**

This first semester course is designed for college-bound students who have a strong interest in government, politics, and law. It focuses on the United States political systems, processes, and the forces which influence public policy. Students will participate in carefully chosen test practice and utilize reading materials including college-level textbooks and supplemental readers. This course fulfills the government graduation requirement. All students are expected to take the College Board AP exam associated with this course in the Spring.

AP COMPARATIVE GOVERNMENT AND POLITICS (1/2 credit, 11th and 12th grades) **COLLEGE CREDIT*****
***Prerequisite:** Successful completion of AP U.S. Government and Politics*

This semester course is designed for students with a strong interest in government, politics, and foreign affairs. Students study the political systems of the United Kingdom, Russia, China, Mexico, Iran, and Nigeria, and additional countries after the AP test. Students will be qualified to take the AP exam in Comparative Government and Politics, and all students are expected to take the College Board AP exam associated with this course in the Spring.

ECONOMICS (1/2 credit, 11th & 12th grades)
***Prerequisite*:** *United States History*

This required class will allow students to address economic decision making at a practical level. It will examine economic theory and practices as well as national and international economics. Students will explore personal finance by participating in a hands-on simulation. Students will learn about many aspects of economics including government intervention, fiscal and monetary policy, and the role of the individual in the economy.

AP MACROECONOMICS (1/2 credit 11th & 12th grades) **COLLEGE CREDIT*****
***Prerequisite*:** *United States History*

This class is a one semester, college level course. Each student is encouraged to take the AP Macroeconomics Exam that is administered in May by the College Board. Students who score a 3, 4, or 5 on the exam may be eligible to earn college credit. Macroeconomics will emphasize economic principles as applied to the economy as a whole. Topics discussed will include: Basic Economic Concepts, GDP, National Income, Financial Sectors, Inflation, Unemployment, Economic Growth, Productivity, and International Trade and Finance. This course may be taken instead of economics or taken after 11th grade economics. All students are expected to take the College Board AP exam associated with this course in the Spring.

AP MICROECONOMICS (1/2 credit, 11th & 12th grades) **COLLEGE CREDIT*****
Prerequisite: *United States History*

AP Microeconomics is an introductory college-level course that focuses on the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts.

This class is a one semester, college level course. Students will be expected to take the AP Microeconomics exam that is administered in May by the College Board. Students who score a 3, 4, or 5 on the exam may be eligible to earn college credit. *This course may be taken instead of economics or taken after 11th grade economics. This course can also be taken with AP Macroeconomics or separately.* All students are expected to take the College Board AP exam associated with this course in the Spring.

PSYCHOLOGY (1/2 credit, 11th & 12th grades)
***Prerequisite*:** *World History and United States History*

This course is the study of human behavior. All aspects of the curriculum help students gain a better understanding of themselves. Areas of interest include psychology as a science, why people behave as they do, what is personality and what influence does nature vs. nurture have on our development. The course will investigate how people learn, how the brain processes information and how the states of consciousness impact one's behavior. The class will also explore the differences between normal and abnormal behavior. This class is recommended for all students, especially college bound students.

AP PSYCHOLOGY (1/2 credit, 11th & 12th grades) **COLLEGE CREDIT*****
***Prerequisite*:** *Psychology*

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles and phenomena associated with each of the major subfields within psychology. They also learn about the methods psychologists use in their science and practice. A major goal of the course is to prepare students for the AP Psychology exam. All students are expected to take the College Board AP exam associated with this course in the Spring.

SOCIOLOGY (1/2 credit, 11th & 12th grades)
Prerequisite: *None*

This course is the study of society; understanding individual behavior within groups of people. Some topics covered are cultural norms, socialization, groups, treatment of minorities, family issues, and comprehensive study of social issues. It is recommended for college-bound students.

CRIMINAL LAW (1/2 credit, 11th, & 12th grades) *(10th graders allowed with instructor permission)*
Prerequisite: *None*

In this course students will gain insight and appreciation of the legal system, the dynamic nature of law, the social impact of legislation and legal decisions, and the legal consequences of decision making. Students have the opportunity to participate in the Genesee County Teen Jury Program; and as a culmination of the class, all students participate in a mock trial where the case will be of a criminal nature. This is the perfect course for any student who is interested in law or law enforcement as a career, or who simply has an interest in the legal system.

CIVIL WAR (1/2 credit, 11th & 12th grades)
Prerequisite: *United States History*

This course is a survey of the single most important era in American History and how it influences us today. Topics of study include black history, slavery, political and economic development in pre-civil war America, generals, battles, navy, medicine, prisons, equipment, war strategies and tactics. Students will also study how developments of the Civil War period have shaped or influenced current events in America and abroad. Students will be required to participate in a weekly in-class book club centered around a Civil War themed travelog.

WORLD WAR II (½ credit, 11th & 12th grades)

Prerequisite: World History & United States History

This course is a survey of one part of the largest conflict in human history and how it influences us today. The course will look at the social, political and economic issues that caused the war and how these changed as the war progressed. Specifically, students will explore both the battlefield and homefront of the different countries in the war and gain a perspective beyond just the United States. Students will also have the opportunity to learn about how the events of the Holocaust progressed from discrimination to mass genocide. All students will be required to participate in a weekly in-class book club centered around a WWII narrative.

WORLD LANGUAGES

The World Studies Department offers a comprehensive language study program in French and Spanish. It is highly recommended that college-bound students successfully complete at least 2 credits of a world language.

Students will have the option to replace 1 credit of World Language with a state approved CTE course/program OR with an additional 1 credit of Visual, Performing, or Applied Arts (VPAA).

Please Note: Many accredited universities recommend and/or require 2 credits of the same world language.

FRENCH I (1 credit; 9th, 10th, 11th, & 12th grades) – {if level 1 credit earned in 8th, 9th, 10th, 11th, & 12th grades}
SPANISH I (1 credit; 9th, 10th, 11th, & 12th grades) – {if level 1 credit earned in 8th, 9th, 10th, 11th, & 12th grades}
Prerequisite: *None*

This course focuses on speaking, reading, listening and writing skills with integration of culture. Students are expected to memorize words and sentence patterns which will help them in daily conversations. Oral presentations, projects, and participation are part of the class.

FRENCH II (1 credit; 9th, 10th, 11th, & 12th grades)- {if level 1 credit earned in 8th, 9th, 10th, 11th, & 12th grades}
SPANISH II (1 credit; 9th, 10th, 11th, & 12th grades)- {if level 1 credit earned in 8th, 9th, 10th, 11th, & 12th grades}
***Prerequisite*:** *French I/Spanish I (Advised to have a "C" or better in Spanish I/French I to continue)*

Emphasis is placed on grammar to facilitate mastery of the written language. More reading is introduced than at the first-year level with continued exploration of culture. Oral presentations, projects, and participation are part of the course.

FRENCH III (1 credit; 10th, 11th, & 12th grades)
SPANISH III (1 credit; 10th, 11th, & 12th grades)
***Prerequisite*:** *"C" or better in French II/Spanish II. Teacher recommendation is advised*

Continued emphasis is placed on speaking. Students give speeches; participate in class discussions and projects all in the target language. They further develop their proficiency in grammar through composition and reading, with an introduction to literature.

FRENCH IV (1 credit; 11th & 12th grades)
SPANISH IV (1 credit; 11th & 12th grades)
Prerequisite: "*C" or better in French III/Spanish III. Teacher recommendation is advised*

Listening, speaking, reading and writing skills are equally stressed. Cultural expressions and grammatical concepts are reinforced and further developed through class discussions and projects.

AP SPANISH LANGUAGE AND CULTURE (1 credit, 12th grade) **COLLEGE CREDIT*****
Prerequisite: *"C" or better in Spanish IV. Teacher recommendation is advised*

The AP Spanish Language and Culture course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communications strategies, and cultural awareness. The AP Spanish Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish. The AP Spanish Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions). All students are expected to take the College Board AP exam associated with this course in the Spring.

FINE ARTS DEPARTMENT
ART EDUCATION

The Art program at Davison High School offers students the opportunity to study art through many different media. Introduction to Art must be taken as a *Prerequisite* to all other courses in the department as it teaches the basic concepts of art and a sampling of all the other areas.

INTRODUCTION TO ART (1/2 credit, 9th, 10th, 11th, & 12th grades)
Prerequisite*: *None

Students will explore various techniques and areas of art with an emphasis on basic skills. Individual ability levels will be developed through exercises dealing with designing of contour drawing, rendering, painting and 3-D design.

CERAMICS (1/2 credit, 9th, 10th, 11th, & 12th grades)
Prerequisite*: *"C" or better in Introduction to Art or consent of instructor

This course deals with the properties of clay and its control. Techniques of coil, slab, and pinch methods are taught in the hand building of pots and other sculpted forms. Glazing and firing are done under supervised instruction. Students will learn to throw on a pottery wheel.

DRAWING I (1/2 credit, 9th, 10th, 11th, & 12th grades)
Prerequisite: "C" or better in Introduction to Art or consent of instructor

Through the use of observation, students will develop their basic drawing skills. Major focus will be on rendering in black and white mediums such as pencil, charcoal and ink. Color will be touched on in preparation for Drawing II.

DRAWING II (1/2 credit, 10th, 11th, & 12th grades)
Prerequisite*: *"C" or better in Introduction to Art and Drawing I

Students will continue to develop their drawing skills as well as their personal style. Focus is on color mediums such as prismacolor, oil pastels and chalk pastels. Projects will range from realism to abstraction.

PAINTING (1/2 credit, 9th, 10th, 11th, & 12th grades)
Prerequisite*: *"C" or better in Introduction to Art
Students will be introduced to various painting techniques and methods. Mediums will include watercolor, tempera and acrylic paints. Artists' styles will be explored in search of the students' personal style. Individuality and creativity are encouraged.

ADVANCED ART (1/2 credit, 11th & 12th grades)
Prerequisite: "C" or better in Introduction to Art and Computer Graphics or Introduction to Art and Photography or Introduction to Art and Painting or Introduction to Art and Drawing I and Drawing II or consent of the instructor.

Students will focus on developing a personal style through the development of a series of work based on a subject of their choosing. Other assignments will include a realistic self-portrait as well as research of artistic influences. Students will be required to prepare portfolios of work at the close of the course. Students wishing to continue their studies in art at the post-secondary level will learn how to make slides and will apply for scholarships, as well as, prepare for the AP Studio Art Exam. This course is for self-motivated students wishing to improve their current level of skill and creativity. Course may be repeated with the instructor's permission.

COMPUTER GRAPHICS/ANIMATION (1/2 credit, 9th, 10th, 11th & 12th grades)
Prerequisite*: *"C" or better in Introduction to Art

This multimedia course offers advanced students opportunities to learn how to use computer graphics and animation software. Students will create graphic images such as advertisements and posters, while also drawing and filming animated shorts. Focus will be on communication, design, composition, and self-motivation.

PHOTOGRAPHY/DIGITAL IMAGING (1/2 credit, 11th & 12th grades)

Prerequisite*: *"C" or better in Intro to Art, Drawing I, and Drawing II, or "C" or better in Intro to Art and Painting.

Advanced students will learn how to use a 35 mm camera, develop negatives, and practice basic darkroom techniques. Focus will be on communication, design, composition, and self-motivation. Some image manipulation will be explored using computer software. (Must have your own 35 mm manual camera - extra film and paper can be purchased from the instructor at a reduced rate.)

INTERIOR DESIGN/ HOUSING (1/2 credit, 9th, 10th, 11th, & 12th grades)

Prerequisite: *"C" or better in Introduction to Art*

This course is broken up into 4 Units of Study: 1. Housing and Architecture, 2. Careers in Interior Design, 3. The Elements and Principles of Design, and 4. The Design Process. It is a common misconception that Interior Design is a class about "decorating." It is in fact much more! Students will learn about the history of housing and American Architecture, what kinds of jobs interior designers do and skills they need, the basic building blocks of good design and the process that interior designers follow to complete a job. This course is intended for students who have an interest in the design field or those who have a desire to learn more about design.

Performing Arts Department

VOCAL MUSIC

CARDINAL CHOIR (1 credit, 9th, 10th, 11th, & 12th grades)
***Prerequisite*:** *None*

A beginning level course for mixed voices. This course will develop the student's voice for high school level singing and prepare vocal students for advancement to the other choirs. Attendance is required at all scheduled concerts and festival activities. Robes are furnished as part of the uniform, but black dress shoes and black pants need to be furnished by the student.

CHORALAIRES (1 credit, 9th, 10th, 11th, & 12th grades)
***Prerequisite*:** *None*

This course will develop the female treble voice and range for high school level singing. Attendance is required at all scheduled concerts and festival activities. Dresses are furnished as part of the uniform, but black dress shoes need to be furnished by the student.

VARSITY CHOIR (1 credit, 10th, 11th, & 12th grades)
***Prerequisite*:** *Audition/Pretest/Concert Choir, Band or Orchestra experience (2 years minimum)*

All auditions are based on maturity of tone, sight reading, attitude, and pitch proficiency. This choir consists of the outstanding vocal students of the high school. Several concerts and programs are presented throughout the year, including district and state choral festival competition. Small ensembles may perform at various functions. Each ensemble member is responsible for being a part of the spring musical. After school practice is mandatory in the spring. Attendance is **required** at all performances, festivals and rehearsals. Uniforms are furnished.

CONCERT CHOIR (1 credit, 9th, 10th, 11th, 12th grades)
Prerequisite: *Audition/Pre-Test. Cardinal Choir, Choralaires, Advanced Middle School Choir, Band or Orchestra experience (2 years' experience)*

This select mixed ensemble consists of students who have demonstrated mature skills in performance from prior choral ensembles. All auditions are based on maturity of tone, sight-reading, attitude and pitch proficiency. Students perform at either Solo and Ensemble or choral festival and attendance is ***required*** at all performances and rehearsals. Robes are furnished as part of the uniform, but black dress shoes and black pants need to be furnished by the student.

DRAMA I - (½ credit, 9th , 10th , 11th, & 12th grades)
Prerequisite*: N/A - This is a performance based class, therefore participation is a majority of your grade. If you are comfortable with public speaking, this is the class for you.*

Course Description: This class introduces the student to beginning acting techniques and theater appreciation. Units include: Ancient Greek Theatre, production mini-units, Costuming, Improv, mock auditions, technical theater, musical theater, playwriting, pantomime and Shakespeare.

DRAMA II - (1 credit, 10th, 11th, 12th grades)
Prerequisite*: Drama I with at least an 80% pass rate.*

Course Description: This class continues the exploration of acting techniques and theater appreciation. Students in Drama 2 will have production units and small one act plays to perform to culminate each semester. Units include: Ancient Greek Theatre, comedy, copyright, improvisation in musical theater, set design, monologue writing, stage management, tools of scene work and theater etiquette.

Performing Arts Department

INSTRUMENTAL MUSIC EDUCATION

The goal of the Music Department is to provide numerous meaningful musical experiences that will contribute to personal development or create opportunities for students to explore music as a possibility for further study.

CONCERT BAND (1 credit, 9th, 10th, 11th, & 12th grades)
Prerequisite**:** *Grade of "C" or better in previous year of band or approval of director*

This course is designed to prepare younger musicians for the rigors of performance in the Wind Ensemble or for those students who are unable to meet the time requirements of that course. Emphasis is placed on the development of individual skills. Participation in the Marching Band is highly recommended. Students participate in Band Festival and Solo and Ensemble Festival. Attendance is required at all performances and rehearsals, and after-school obligations will be part of the student's final grade. Students are encouraged to take private lessons.

STRING ORCHESTRA (1 credit, 9th, 10th, 11th, & 12th grades)
Prerequisite: *Grade of "C" in previous year of strings or orchestra, or approval of director*

This ensemble consists of string players striving to attain a high standard of musical excellence. The daily class consists of only string players. All students will be required to meet weekly after school with wind players to form the symphony orchestra. Attendance is required at all rehearsals and concerts, and after-school obligations will be a part of a student's final grade. The students participate in Orchestra Festival, Solo and Ensemble festival, and other concerts. Participation in the Marching Band is highly recommended. Students are encouraged to take private lessons.

CHAMBER ORCHESTRA (1 credit, 9th, 10th, 11th, & 12th grades)
Prerequisite: *Audition*

This ensemble consists of students who are interested in achieving a high standard of musical performance. Students participate in the Band and Orchestra Festival, Solo and Ensemble Festival, and various concerts and performances throughout the year. Students of this ensemble are also required to be part of the Symphonic Orchestra that meets on the first day of the week from 3:00 p.m. to 4:30 p.m. beginning after winter break. Participation is based on instrumentation needs. Participation in the Marching Band is highly recommended. Attendance is required at all performances and rehearsals. Weekly sectionals and after-school obligations will be part of the student's final grade. Members may be asked to re-audition at the semester break or at the end of the year due to poor performance. If openings are available, students desiring to join the Chamber Orchestra may do so at the semester break. Private lessons are highly encouraged.

WIND ENSEMBLE (1 credit, 9th, 10th, 11th, & 12th grades)
Prerequisite: *Audition*

This ensemble consists of students who are interested in achieving a high standard of musical performance. Students participate in the Band and Orchestra Festival, Solo and Ensemble Festival, and various concerts and performances throughout the year. Students of this ensemble are also required to be part of the Symphonic Orchestra that meets on Mondays from 3:00 p.m. to 4:30 p.m. beginning after the winter break. Participation in the Marching Band is highly recommended. Attendance is required at all performances and rehearsals. Weekly sectionals and after-school obligations will be part of the student's final grade. Members may be asked to re-audition at the semester break or at the end of the year due to poor performance. If openings are available, students desiring to join the Wind Ensemble may do so at the semester break. Private lessons are highly encouraged.

The following PERFORMING ARTS courses have been approved for a Fine Arts credit.

CHORALAIRES
CARDINAL CHOIR
VARSITY CHOIR
CONCERT CHOIR
DRAMA I & II
CONCERT BAND
STRING ORCHESTRA
CHAMBER ORCHESTRA
WIND ENSEMBLE

CAREER TECHNICAL EDUCATION

(MOST CTE courses can count as your VPAA-Art Credit requirement)

Career and Technical Education classes at DHS provide students skills in specific career clusters (Business Track, Health Science Track, Information Technology Track, Construction Trades Track, Work-Based Learning, Auto Technology Track, and Engineering Track). All programs offer college credit opportunities to provide a seamless transition to post-secondary education. The mission of the program is to prepare students so they have the necessary academic, technical, and work behavior skills to enter, complete, and advance in education and their careers.

RADIO & TV BROADCASTING TRACK

The goal of DTV is to provide a complete introductory experience for students interested in television broadcasting, including news gathering and video production.

DTV BROADCASTING I (1 credit, 9th , 10th, 11th, & 12th grades)
***Prerequisite*:** *Application is required. Freshman must pass middle school Video Programming*

This course is an introduction to the basics of TV broadcasting production skills. Students will learn to operate cameras, microphones, audio boards, lighting, and editing equipment. Students will also learn the steps involved in planning, writing, and producing the DTV newscast that is seen daily in school and the community. Students will work both in front and behind the camera, developing both writing and public speaking skills. The history of broadcasting and film production will be studied. This course will also include preparation for college and employment through academic and technical skill integration. Students are also required to assist in after school assignments and must be concurrently enrolled in the DTV Afterschool Internship class.

DTV BROADCASTING II (1 credit, 11th & 12th grades)
Prerequisite: *"C" or better in DTV Broadcasting I*

This course emphasizes the technical computer application side of video and multimedia production. Working from the foundational skills developed in DTV Broadcasting I, students will develop advanced techniques in digital video capturing, editing, multi-camera usage, lighting techniques, basic news gathering, teleprompter management, and pre and post-production work with an emphasis on teamwork and leadership. The history of broadcasting and film production will be studied. This course will also include preparation for college and employment through academic and technical skill integration. Students are also required to assist in after school assignments, and must be concurrently enrolled in the DTV Afterschool Internship class.

DTV BROADCASTING III (1 credit, 12th grade)
***Prerequisite*:** *"C" or better in DTV Broadcasting II (including completion of final project)*

This course emphasizes advanced studio production techniques and allows students to develop and produce all phases of a television production. Shows produced will air on the local cable channel and may be submitted in competition for recognition of students who worked on the shows. The history of broadcasting and film production will be studied. This course will also include preparation for college and employment through academic and technical skill integration. Students are also required to assist in after school assignments and must be concurrently enrolled in the DTV Afterschool Internship class.

DTV BROADCASTING: AFTER SCHOOL INTERNSHIP (1 credit, 10th, 11th, & 12th grades)
***Prerequisite*:** *Concurrent enrollment in DTV Broadcasting classes*

Students enrolled in all of the DTV Broadcasting classes must be concurrently enrolled in the Afterschool Internship course. Students are teamed together to form production crews that will film and produce sporting events, concerts and plays, and other news gathering assignments. Time may be spent on location or in the studio. Student after school assignments will average 5 hours per week. Time and Activities Sheets must be maintained for all afterschool activities.

BUSINESS TRACK

BUSINESS MANAGEMENT ADMINISTRATION (BMA I) **COLLEGE CREDIT*****
(1 credit, 10th, 11th, & 12th grades) **SENIOR MATH CREDIT**
VPAA CREDIT

***Prerequisite*:** *None*

BMA I has an emphasis on college and career readiness to help prepare students in the areas of accounting, finance, management, law, and other business related areas. Students will have opportunities to receive in-depth instruction in business management and administration practices using Microsoft Office software applications. Students enrolled in this course are qualified to join BPA, a club preparing students to become emerging leaders and entrepreneurs. Units of study in BMA I include the development of 21st century skills in business management, communication, entrepreneurship, problem solving, employability, person management, career, and technology. This course is also articulated with local colleges and provides college credit through Ferris State University, Mott Community College, Baker College, and Davenport University.

BUSINESS MANAGEMENT ADMINISTRATION II (BMA II) – **COLLEGE CREDIT*****
Virtual Enterprise International (1 credit, 11th & 12th grades) **SENIOR MATH CREDIT**
Prerequisite*:** "*C" or better in BMA I, Accounting or Marketing I.* ***VPAA CREDIT
Approval from the instructor is recommended.

Students will receive advanced instruction in the use of business management and administration practices through participation in school, live, global business simulation. This course is a replication of all the functions which occur in a real business. Students will create and manage a virtual business from product development, production and distribution, marketing and sales, human resources and accounting/finances, to web design. This in-school business simulation offers students an advantage in the real world and college through project based learnings. These higher-level thinking skills provide students the ability to become 21st century entrepreneurs. Students are given a deeper understanding of entrepreneurship and workplace skills needed to succeed. Students enrolled in this course are qualified to join BPA, a club preparing students to become emerging leaders and entrepreneurs. This course is also articulated with local colleges and provides college credit through Ferris State University, Mott Community College, Baker College, and Davenport University.

ACCOUNTING (1 credit, 10th, 11th, & 12th grades) **COLLEGE CREDIT*****
***Prerequisite*:** *None* **SENIOR MATH CREDIT**

This course will teach students to keep financial records and prepare financial statements from those records for a single business and corporation. In addition, students will learn petty cash and payroll procedures. Students should have strong interest in math, enjoy numbers, and have at least a "C" average in math classes. Accounting is an essential basic skill for all college bound students who are considering a major in business. Accounting is also a very appropriate choice for students who plan to own their own business, manage a business, or work in a management support role. Students will sit for Quickbooks Bookkeeper Certification in the spring.

ENTREPRENEURSHIP (1/2 credit, 11th & 12th grades) **COLLEGE CREDIT*****
***Prerequisite*:** any of the following: *Marketing, Accounting, BMA I* **SENIOR MATH CREDIT**

This semester course will teach students the steps to start up and operate a small business. They will learn what it takes to be an entrepreneur, investigate business opportunities, learn essential marketing and finance skills, and develop their own business plan. Emphasis will be on researching and writing a final business plan, which will be presented and reviewed by community business leaders. Articulated college credit is available through Baker College and Mott Community college after successful completion of this class. Students may participate in DECA competitive events.

MARKETING I (1 credit, 9th, 10th, 11th, & 12th grades) **COLLEGE CREDIT*****
***Prerequisite*:** *None* **SENIOR MATH CREDIT**
VPAA CREDIT

This class is open to students interested in marketing, management or entrepreneurship. This course teaches students marketing tasks that prepare them both for college and careers in marketing as well as skills for the real world. The class focuses on marketing concepts, economics, selling, distribution, pricing, career development and much, much more! Students are given the opportunity to be members of DECA where students test the skills acquired in the classroom in leadership and competitive settings. Students planning to major in business in college should take this course. Articulated college credit is available through Baker College and Mott Community College.

MARKETING II (1 credit, 10th, 11th & 12th grades) **COLLEGE CREDIT*****
***Prerequisite*:** *"C" or better in Marketing I.* **SENIOR MATH CREDIT**
Recommendation of instructor is advised **VPAA CREDIT**

This class is the follow-up course to Marketing 1. This course looks at business from the marketing manager's perspective using project-based activities. The class focuses on customer relations, promotion, marketing research, management, and finance. Students operate and manage The Cardinal Shop using current technology during 4th hour and extended hours. Students participate in leadership and competitive events through DECA. Articulated college credit is available through Baker College and Mott Community College after successful completion of this class.

MARKETING III (1 credit, 11th, 12th grades) **COLLEGE CREDIT*****
***Prerequisite*:** *"C" or better in Marketing II.* **SENIOR MATH CREDIT**
Recommendation of instructor is advised **VPAA CREDIT**

This class is an advanced individualized program of instruction in marketing, merchandising and management. Students will engage in differentiated detailed studies of business in areas of their interest. The class focuses on international business, advanced marketing research, legal and ethical issues, planning and strategic management. All advanced marketing students are required to be members of DECA which will provide leadership and competition opportunities. Articulated college credit is available through Baker College and Mott Community College after successful completion of this class.

HEALTH SCIENCE TRACK

HEALTH SCIENCE I (1 credit, 10th, 11th, and 12th grades)
Prerequisite: *None*

The purpose of this course is to provide reliable and realistic information about health careers, as well as prepare students for the Patient Care Technician (PCT) credentialing exam. Students that become certified allow them to perform patient care, obtain vitals, perform CLIA-waived testing, obtain specimens for testing, obtain blood draws, assist providers with procedures, and perform EKGs. 11th and 12th grade students will test through National Healthcare Association (NHA) to earn their PCT certification at no cost to the student. This certification is good for 2 years. During that 2 years the student must earn 10 continuing education credits that they can get for free from NHA. To recertify it will cost the student $178 for another 2-year certification after earning their continuing education credits. We offer American Heart Association CPR certification and an opportunity to join HOSA, Health Occupation Students of America. Students are strongly encouraged to join HOSA but are not required. HOSA has regional, state and international competitions that are geared toward the healthcare field. There are opportunities for scholarships through HOSA as well. Students leave our school with valuable skills and certifications to join the workforce.

HEALTH SCIENCE II - (1 credit, 11th and 12th grades)
Prerequisite*: Health Science I*

This course is designed to build upon the skills and knowledge learned in our Health Science I class. Students receive hands-on and on-line training that will prepare them for the Certified Clinical Medical Assistant (CCMA) exam through National Healthcare Association (NHA). The students earn their certification at no cost to the student. The students will need to earn 10 continuing education credits in 2 years to recertify through NHA at a cost of $178. Obtaining the CCMA certificate allows the student to provide direct patient care, assist the physician with filing, recording, patient scheduling, rooming patients, taking vitals, giving injections, drawing blood, obtaining EKGs, performing CLIA-waived testing, obtain specimens from patients for testing, assist provider with procedures, and being able to handle emergency situations that occur. Students are encouraged to join HOSA where they can compete in over 56 different competitions at a regional, state, and international level. These students leave our school skilled and ready to join the workforce.

PHLEBOTOMY TECHNICIAN - (1/2 credit, 11th and 12th grades)
Prerequisite*: Health Science I with a "C" or better*

Phlebotomy training program is designed to teach students the skills and knowledge necessary to perform blood draws, including proper venipuncture techniques, patient identification, infection control procedures, and the handling and labeling of blood specimens. This course also covers basic anatomy and physiology related to the circulatory system, all within the context of ethical and legal guidelines for healthcare practice; the curriculum typically includes both theoretical instruction and substantial hands-on practice with real patients in a clinical setting to ensure competency in blood collection procedures. Students will need to complete clinical hours to receive the necessary hands-on practice prior to sitting for the credentialing exam.

CERTIFIED EKG TECHNICIAN (CET) - (1/2 credit, 11th and 12th grades)
Prerequisite*: Health Science I with a "C" or Better*

This semester-long EKG course will prepare the student for an entry level EKG technician course position. The course includes hands-on training along with certification preparation. This course provides EKG lead placement, troubleshooting and dysrhythmia recognition. Students will complete the course with a working knowledge of EKG and dysrhythmia recognition while emphasizing on patient safety, taking vital signs, quality assurance, universal and standard precautions. Students must complete 10 "live" EKGs to be able to test. At the end of the semester the student will take a certification exam through National Healthcare Association (NHA) at the cost of the school. Students can also earn college credit with the certification. Students must pass the exam with a 390 out of 500 points to earn certification. To keep certification, students must earn 10 continuing education credits that are free through NHA. The student will renew certification every 2 years with a certification cost from NHA.

INFORMATION TECHNOLOGY TRACK

COMPUTER REPAIR (1 credit, 9th, 10th, 11th & 12th grades) **COLLEGE CREDIT*****
***Prerequisite*:** *None* **VPAA CREDIT**

This course is designed for students who have a natural curiosity and aptitude toward computer technology. The class will cover PC troubleshooting and repair. Students will also be responsible for implementing a help desk environment within the classroom. Upon successful completion of the training, students will be able to: safely disassemble and reassemble a computer system; install, repair and maintain computer hardware and peripheral equipment; and install and configure the physical components of a computer network. Students will participate in Business Professionals of America career activities.

COMPUTER NETWORKING (1 credit, 10th, 11th & 12th grades) **COLLEGE CREDIT*****
***Prerequisite**: Computer Repair* **VPAA CREDIT**

This course is designed for students who have a natural curiosity and aptitude toward computer networking. The class will cover network media and topologies, protocols and standards, network implementation and network support. Upon successful completion of the training, students will be able to set up and administer a computer network. Students will participate in Business Professionals of America career activities.

WEB DESIGN (1 credit, 9th,10th, 11th & 12th grades) **COLLEGE CREDIT*****
***Prerequisite*:** *None* **VPAA CREDIT**

This course is designed for students who have a natural curiosity and aptitude toward web page. Upon successful completion of the class, students will be able to design, create, maintain and publish a website. Students will learn to code in HTML, CSS and JS. Students will participate in Business Professionals of America career activities.

COMPUTER PROGRAMMING (1 credit, 9th, 10th, 11th, & 12th grades) **SENIOR MATH CREDIT**
***Prerequisite*:** *Must have 2.5 GPA and successful completion of Algebra I with a "C" or above* **VPAA CREDIT**

This course serves as an introduction to programming. The students not only learn the C++ language, but will work on problem-solving skills and the logic skills used in programming as well as many science and math-related courses. Students will also be exposed to career possibilities in this Digital Age during this course as well as an opportunity to compete in BPA or Robotics. This course is recommended for students going into math, science, or business-related fields in college. The completion of this course is recommended before taking AP Computer Programming.

AP COMPUTER PROGRAMMING (1 credit, 10th, 11th, & 12th grades) **COLLEGE CREDIT*****
***Prerequisite*:** *Computer Programming, or instructor permission* **SENIOR MATH CREDIT**

AP Computer Programming focuses on JAVA, a language currently in demand and is the introductory language used in most universities. It is also the language used on the Advanced Placement exam. Knowledge of programming techniques and experience in programming is recommended prior to taking this course. Students will not only learn the language but will also spend time preparing for the AP exam offered in May. Students who pass the AP exam can receive college credit for this course. This is a great opportunity to begin a student's pursuit into Computer Science and Engineering. Students can compete in BPA or Robotics in this class. All students are expected to take the College Board AP exam associated with this course in the Spring.

CONSTRUCTION TRADES TRACK

CONSTRUCTION TRADES I (1 credit, 9th, 10th, 11th, &12 grades) **SENIOR MATH CREDIT**
Prerequisite: None **VPAA CREDIT**

This course is ideal for students who are interested in the field of construction. This course will explore various career opportunities, cover safety information and precautions; introduction to power and hand tools, including how to safely use and operate machinery; and use of building materials and fasteners. Students will have the opportunity to make at least two culminating projects that require basic skills throughout the course. Upon successful completion of this course, students will earn their OSHA-10 Safety Training Card, and sit for the NCCER Core credential exam.

CONSTRUCTION TRADES II (2 credits, 10th, 11th, & 12th grades) **SENIOR MATH CREDIT**
Prerequisite: *Construction Trades I* **VPAA CREDIT**

This course is set up to be an intermediate course building on the skills learned in Construction Trades I. The course will be a combination of specific math skills used in carpentry and will continue to build student aptitude with both power and hand tools including safe handling and operating procedures. Students will have the opportunity to make at least two culminating projects that require intermediate skills throughout the course. Upon successful completion of this course, students will earn OSHA-30 Safety Training Card, and have an opportunity to sit for the NCCER Level I Credential

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AUTOMOTIVE TECHNOLOGY TRACK

AUTOMOTIVE TECHNOLOGY I (2 credits, 10th 11th, & 12th grades) **COLLEGE CREDIT*****
Prerequisite**:** *No* **SENIOR MATH CREDIT**
VPAA CREDIT

Students will learn auto shop safety and use of basic auto technology equipment. Vehicle repair training will include a MLR NATEF- certified brake system's introduction to Engine Performance and Engine Repairs & Rebuilding. Training includes theory of operation and hands-on assignments in the Auto Technology Shop. Successful completion will prepare students for Michigan Mechanic Certification. Students may earn articulated college credit upon completion of this class through Mott Community College, Baker College, and the University of North Western Ohio. Auto class students will have the opportunity to join the Auto Club and attend the North American Auto Show.

AUTOMOTIVE TECHNOLOGY II (2 credits, 11th, 12th grade) **COLLEGE CREDIT*****
Prerequisite**:** *Automotive Technology I* **SENIOR MATH CREDIT**
VPAA CREDIT

This course focuses on our NATEF Certified study of "Electrical/Computer" systems and "Engine Fuel/Emission Control" systems, along with "Steering Suspension" Systems. Studies will include theory of operation and hands-on lab work. Students are provided with job-entry skills, and successful completion will assist in preparation for Michigan Mechanic Certification. Students may earn articulated college credit upon completion of this class through Mott Community College, Baker College, and the University of North Western Ohio. Auto class students will have the opportunity to join the Auto Club and attend the North American Auto Show.

AUTOMOTIVE TECHNOLOGY III (2 Credits, 12th grade) ***SENIOR MATH CREDIT***
Prerequisite**:** *Automotive Technology I* **VPAA CREDIT**

This course focuses on continuing NATEF - Brake Systems, Suspensions & Struts, Electronics, Electric/Hybrid Technology, systems, & Theory, Automatic & Manual Transmissions, Axles and Introduction to Heating and Cooling. Auto students will have the opportunity to join the Auto Club and attend the North American Auto Show.

ENGINEERING TRACK

INTRODUCTION TO ENGINEERING DESIGN I (IED) (1 credit, 9th*, 10th, 11th, & 12th grades)
***Prerequisite*:** *Grade of "C" or above in Algebra I*

COLLEGE CREDIT***
SENIOR MATH CREDIT
VPAA CREDIT

Ever wonder how to design something new or draw out an idea to show your friends? Stop wondering and do it, using Autodesk Inventor, the industry-leading 3D design software! Play the role of an engineer, utilizing a design process, while taking an idea from conception to production. Produce an incredible, working prototype of your project with a printer. You will work on projects, activities, and problems, not only of interest to you, but that have global and human impacts. Work in teams to design and improve products, document your solutions, and communicate them to others. This course satisfies the 4 th year math credit, 2 nd year foreign language, as well as the art graduation requirement. Students can earn articulated credit, as well as direct college credit in this course. IED follows the nationally recognized Project Lead The Way curriculum, and is the first course in the Davison Engineering Academy's mechanical design course sequence. Students will have opportunities to be involved in leadership activities and skill development through DHS's Robotics Club.

PRINCIPLES OF ENGINEERING (POE) (1 credit, 10th, 11th & 12th grades)
Prerequisite: "C" or above in IED or completed or enrolled in Trigonometry

SENIOR MATH CREDIT
VPAA CREDIT

Want exposure to some of the major concepts in a college level engineering major? Go beyond "myth-buster" to solution builder! As you explore the basic concepts needed to continue your education in engineering you will apply those concepts to tackling real world challenges in energy and power, material and structures, control systems, and statics and kinematics. You are not in this alone though, you will work in teams to test and share your developing skills through hands-on projects and presentations. You will learn to document your work and share your solution to others. The course satisfies the 4th year math credit, 2nd year foreign language, as well as the art graduation requirement. POE follows the nationally recognized Project Lead The Way curriculum.

MECHATRONICS/ ROBOTICS- (2 credits, 10th, 11th, & 12th grades)
Prerequisite*: "C" or above in IED*

SENIOR MATH CREDIT
VPAA CREDIT

This course incorporates math, innovative and critical thinking and engineering along with hands-on training in design processes. In our modern world, electronics and mechanical components work together to make up complex systems from a car to a robot to automation lines. Mechatronic students learn to design, build, program, and troubleshoot electro-mechanical systems using the principles of mechanics, electronics and computer science. Through hands-on projects, competitions and instruction, students learn about electronics, robotics, equipment controls and sensors, programming, hydraulics/pneumatics, Computer Aided Drafting (CAD)/ Computer Aided Manufacturing (CAM), basic machining, and Computer Numerical Control (CNC). Mechatronics students will design and build vex robotic systems, an electric race car, and a fully automated process through the application of earned skills. This course satisfies the 4th year math credit, 2nd year foreign language, as well as the art graduation requirement.

WORK-BASED LEARNING

Work-based learning (WBL) is **designated** for senior Career & Technical education students to receive on-the-job training prior to graduation. WBL students will earn credit AND wages. Students must have earned at least 17 credits by the end of their junior year and be enrolled in a CTE course **related to their job assignment**. They should have maintained at least a C average in the preparatory classes.

Selections criteria for WBL are as follows:

1. Acceptable school record of reliability (attendance and punctuality)
2. Responsibility and Citizenship (Cardinal Code)
3. Job placement MUST be related to the Occupational program (CTE Course).
4. WBL Application MUST be turned in by early-mid March Deadline.
5. Interview with CTE Director in the Spring.
6. Students must attend two workshops in April / May
    A. Resume / cover letter building
    B. Interview skills workshop

If accepted, student MUST:

2. Solidify an appropriate job placement or be placed prior to August 1st.
3. Return all necessary paperwork, signed by all parties by August 1st.
4. If the student's job placement is not verified, or paperwork is incomplete after the August 1st deadline, students will not be scheduled into WBL.
5. Students may not add WBL after the school year begins.

WORK-BASED LEARNING COURSES

TEACHER CADET (2 credits, 11th, 12th grades)

***Prerequisite*:** *Application in Guidance Office*

This program encourages academically able (3.00+ GPA) students who possess exemplary interpersonal and leadership skills to consider teaching as a career. Selected students will work with experienced teachers at the elementary and middle school levels, as well as in special education classrooms, at least two-hours per day. Students will assist/observe in classrooms, complete teaching portfolios, and learn about career opportunities in education. Application process is required. Cadets will be members of the Future Educators Association.

Work-Based Learning (WBL) (2 credits, 12th grade)

***Prerequisite*:** Completed Application, *Recommendation of CTE instructor, good attendance, coordinator approval.*

This program gives career and technical education students the opportunity to receive both credit and wages for on-the-job experience. The WBL student must also be enrolled in a CTE class which directly relates to his/her job assignment. Parent permission is required. ***Full year enrollment is mandatory.**

GENESEE CAREER INSTITUTE

Current sophomores or juniors interested in attending the Genesee Career Institute (GCI) should see their counselor in the Guidance Office to discuss courses and eligibility.

If interested in Jr. ROTC please note this is available beginning in 9th grade. Students can not be in ROTC all 4 years of high school due to the number of Davison High School requirements needed to graduate.

Factors used in screening students are grade point average, attendance, attitude toward school, past achievements, previous courses taken, and vocational plans. We are allotted approximately 150 placements for students. Therefore, they are selected on a competitive basis.

All students who apply for the GCI will enroll in the normal number of courses at Davison High School. After formal acceptance to attend GCI, the students' schedules will be modified. Three academic credits will be given for the successful completion of one year at GCI.

DHS students will have 3 sessions to choose from:

SESSION	Bus Departs Davison	Bus Arrives Davison
1	6:10 a.m.	9:15 a.m.
*2	8:00 a.m.	11:15 a.m.
3	11:05 a.m.	2:20 p.m.

* On delayed-day Wednesdays, students are required to attend GCI. *Students are strongly discouraged to choose the 2nd session due to missing class on delayed days and Wednesday's.

The Genesee Career Institute (GCI) allows students to receive training in a wide variety of vocational classes. GCI is located at the corner of Maple and Torrey Roads in Flint Township. Students enrolled in the first session of GCI must provide their own transportation to DHS in order to catch the bus to the GCI. Students interested in attending GCI may go to the Guidance Office for an application

LIFE MANAGEMENT EDUCATION

Life Management Education focuses on increasing self-awareness and developing life management skills. Students develop knowledge, skills, and abilities for career planning, managing resources, developing parenting skills, maintaining optimal health (including nutrition and economical meal preparation and alternatives to drug and alcohol abuse), improving interpersonal skills, and strengthening employability skills.

HEALTH (REQUIRED) (1/2 credit, 9th, 10th, 11th, & 12th grades)
***Prerequisite*:** *None*

This course includes the development of the students' knowledge, skills, and abilities to make successful decisions that lead to a healthy lifestyle physically, mentally, and emotionally. Topics covered include: Mental Health & Mental Illness, Alcohol/ Nutrition, Tobacco, Illegal Drugs, Eating Disorders, Reproduction, Sexually Transmitted Infections, and HIV/AIDS. Overview of CPR.

HEALTHY LIVING I- (1/2 credit, 11th & 12th grades – **10th grade with instructor approval**)
***Prerequisite*:** *None*

This is a basic course in health nutrition and foods. This course is designed as a primary wellness course. Students assess personal lifestyle choices as they relate to wellness. Topics include but are not limited to; diet analysis, lifestyle choices, exercise, sports nutrition, food science and eating disorders, as well as healthy food preparation and basic cooking techniques.

HEALTHY LIVING II (1/2 credit, 10th, 11th & 12th grades)
Prerequisite: *None*

This fast-paced course is open to sophomores, juniors and seniors. The Healthy Living II course examines relationships, establishes healthy boundaries, and aspects of family relationships, which includes the various stages of life, love and commitment, marriage, family crisis, and death and dying. The course will also help with basic decision-making skills for finance. Students will examine real-life situations and the challenges that families face on a daily basis. Class consists of individual and group projects, discussions.

PHYSICAL EDUCATION

Physical Education is an integral part of our students' education because it will help them understand the value of health, fitness, team sports, and lifetime activities. Only one PE class can be taken each semester.

Required dress *- Students must wear a uniform consisting of the following: t-shirt or sweatshirt; gym shorts, sweatpants, or warm-ups; and non-skid gym shoes.*

STRENGTH & CONDITIONING (1/2 credit, 10th, 11th, & 12th grades)
Prerequisite**:** *Written permission of physical education staff, and a "B" or better in previous PE class.*
This course is offered to boys who are athletes in order to develop flexibility, speed, agility, overall body strength, leadership skills, and improvement in individual football skills.

BETTER/FASTER/STRONGER – GIRLS (1/2 credit, 9th, 10th, 11th, & 12th grades)
Prerequisite: *"B" or better in previous PE class is advised.*

This course is designed for girls who are athletes or are looking to improve overall body strength. Students will develop body strength, flexibility, agility, speed, leadership skills, and individual sports skills.

BIGGER/FASTER/STRONGER I - BOYS (1/2 credit, 9th & 10th grades) *This class is available for 9th grade students to take first semester.*
Prerequisite: *"B" or better in previous P.E. class is advised*

This course is designed for boys who are athletes or are looking to improve overall body strength. Students will develop body strength, flexibility, and agility.

BIGGER/FASTER/STRONGER II - BOYS (1/2 credit, 11th & 12th grades)
Prerequisite: *Proficient ("B" or higher grade) in Bigger Faster Stronger I. Recommendation from PE teacher is advised.*

This course is designed for boys who have completed Bigger Faster Stronger I and are looking to step it up to the next level. Students will continue to develop body strength, flexibility, and agility.

FITNESS (Co-Ed) (1/2 credit, 9th, 10th, 11th,12th grades)
Prerequisite: *None*
This course is designed for students who enjoy fitness over team sports. Activities in this course will help develop and maintain cardiovascular fitness, flexibility, muscular strength and endurance and some team activities.

LIFETIME ACTIVITIES – BOYS (1/2 credit, 9th, 10th, *11th & 12th grades) *Students can only take this class one time*
Prerequisite: *None*

Students will establish good health habits, learn team building, and life-long fitness along with the fundamental sport skills and knowledge of the games.

LIFETIME ACTIVITIES – GIRLS (1/2 credit, 9th, 10th, *11th & 12th grades) *Students can only take this class one time*
Prerequisite**:** *None*

Students will establish good health habits, learn team building, and life-long fitness along with the fundamental sport skills and knowledge of games.

TEAM & INDIVIDUAL SPORTS (1/2 credit, 10th, 11th, & 12th grades) **9th graders may sign up for this class and take it during the 2nd semester of their freshman year if they have completed Lifetime Activities, Fitness I or Bigger Faster Stronger I (8th grade). May take more than one time*
Prerequisite: *Lifetime Activities Boys, Lifetime Activities Girls, Fitness, Bigger Faster Stronger I or Bigger Faster Stronger-Girls*

The emphasis of this course will be on team play. Skills will be developed in such sports as basketball, volleyball, floor hockey, tennis, soccer, softball, badminton and possibly archery. The sports emphasized will be determined each semester by the interests and abilities of the students in the class.

ACADEMIC SUPPORT CLASSES

CARDINAL LINKS (1 credit, 9th, 10th, 11th, 12th grades)

***Prerequisite**: Must complete an application, submit two letters of recommendation from staff and interview/receive approval from the program coordinator.*

LINKS is a peer-to-peer program offered as an elective course. The LINKS program is a peer-to-peer support program wherein LINK students will receive training that will allow them to facilitate positive outcomes in the school experience of a peer with specific learning/social needs. Peer-to-peer support is an evidence-based practice that has proven effective in stimulating growth in the areas of socialization, communication, and independence. The LINK students are given the opportunity to build relationships with their LINK peer through a variety of activities. LINKS accompany their peer students to class during the week. In addition, students receive training about the importance of acceptance and inclusion, how to help others with diverse needs and to better understand their new friends. The course work requires outside activities and volunteer hours in addition to the completion of weekly journals and a culminating project. Excellent attendance and communication is mandatory. This class may be taken more than once with the program directors approval.

ENGLISH LANGUAGE DEVELOPMENT I (ELD I) (1 credit, 9th, 10th, 11th, & 12th grades)

***Prerequisite:** Newcomer status, WIDA level 1 or 2, administrative placement approval*

This course is designed for secondary newcomers with little to no English language skills. Students will receive explicit instruction in English reading, writing, speaking, and understanding at the student's developmental level. A GISD ESOL certified teacher teaches the course via live distance learning modality. (WIDA 1 or 2)

ENGLISH LANGUAGE DEVELOPMENT II (ELD II) (1 credit, 9th, 10th, 11th, & 12th grades)

***Prerequisite:** Newcomer status, WIDA level 1 or 2, administrative placement approval*

This course is designed for secondary newcomers with little to no English language skills. Students will receive explicit instruction in English reading, writing, speaking, and understanding at the student's developmental level. A GISD ESOL certified teacher teaches the course via live distance learning modality. (WIDA 1 or 2)

SPECIAL EDUCATION

LIFE SKILLS SCIENCE (1 credit, 9th, 10th, 11th, & 12th grades)
Prerequisite*: *IEPT

This course rotates on a three-year basis. Biology will be taught during the 2025-2026 school year. The three courses that will be covered are Biology, Physical Science, and Health. In Biology, students will have a better understanding of the characteristics of living things. In Health, students will have an awareness of good health practices. In Physical Science, students will learn about physical forms of matter, and the difference between physical and chemical change.

LIFE SKILLS MATH (1 credit, 9th, 10th, 11th & 12th grade)

The fundamentals of addition, subtraction, multiplication, and division are reviewed and applied to solve problems that occur in daily living and learning situations. Money, budgeting, comparison shopping, measurement, graphs and charts, time, and calendars are key topics that will be covered over the course of a four year rotating cycle. The focus will be on functional mathematics for everyday living..

LIFE SKILLS LANGUAGE ARTS (1 credit, 9th, 10th, 11th, & 12th grade)
Prerequisite*: *IEPT

This course is designed to meet the individual needs of the student to reinforce and enhance reading and writing skills. The content rotates over the course of a four year cycle. There will be a focus on reading both fiction and non-fiction materials, encouraging and practicing reading skills, as well as comprehension skills. There will be a focus on writing as it is used in everyday situations for both independence in daily living, as well as employment in future work settings.

LIFE SKILLS SOCIAL STUDIES (1 credit, 9th, 10th, 11th, & 12th grade)
Prerequisite:* *IEPT

This course rotates on a three-year basis. The courses covered will be World History & Geography, U.S. History, and U.S. Government & Economics. World History & Geography will be taught during the 2025 - 2026 school year. In World History & Geography, students will learn about important events, places, and people who have had an impact on our lives, both at home and abroad. In U.S. History, the students will explore America's past. In U.S. Government, the students will gain a better understanding of the Declaration of Independence, the Constitution, the branches of the federal government and local government. In Economics, students will study how people and countries make decisions about how to use their scarce resources in the most effective way.

INDEPENDENT LIVING SKILLS (1/2 to 1 credit, 9th, 10th grades)
Prerequisite:* *IEPT

This course is designed to teach the basics that are needed to be independent in life and the community. Content will be rotated over a two year cycle to include the following topics: Money Management and Consumer Awareness, Food Management, Personal Appearance and Hygiene, Personal Health Maintenance, Housekeeping, Housing, Transportation, Emergency and Safety Skills, Community Resources, Interpersonal Skills, Legal Issues and Citizenship. Students will gain hands-on experience through a variety of lessons, tasks, and jobs.

CAREER DEVELOPMENT (1 credit,11th & 12th grade)
Prerequisite:* *IEPT
*IF participating in **Work-Based Learning 1 or 2** this class may be taken at the same time as a **full (1) year credit.**

This course will focus on the development of Career Exploration, Educational Planning, Work Readiness Skills, Soft Skills, Pre-Employment Skills, Job Seeking Skills, Job Maintenance Skills, Positive Interpersonal Communication, and Leadership Skills. There will be an emphasis on real-life situations with hands-on experiences. Students will be involved in managing the Cardinal Closet and the Bird Nest (Coffee Cart).

WORK-BASED LEARNING 1 or 2 (1 credit, 11th & 12th grades)

Prerequisite: **IEPT**

*IF participating in **Work Based Learning 1 or 2**, students may also need to be enrolled in **CAREER DEVELOPMENT** at the same time as a full (1) year credit.

In collaboration with various community agencies in the surrounding communities, students will participate in a work-based learning program during school hours. Students will develop marketable work skills and soft skills while learning the fundamentals of business professionalism. Support is provided through a job coach to help students learn necessary job skills to prepare for, secure, retain, and advance in a competitive work environment.

RESOURCE ROOMS

The following courses make up a program individually designed for students on the basis of recommendations of the IEPT participants in each case.

MATH

RESOURCE ROOM PRE-ALGEBRA (1 credit, 9th grade)
Prerequisite*: *IEPT

This course is recommended for those students not ready for Transition Algebra I. Topics covered are the same as 8th grade Pre-Algebra and follow Michigan's state standards. **This is <u>not</u> an algebra credit.** Small class size and modifications will accommodate special needs and IEPT recommendations.

RESOURCE ROOM MATH PRE-ALGEBRA SUPPORT (1 credit,9th not a math credit)
Prerequisite:* *IEPT

This class must be taken in conjunction with Resource Room Pre-Algebra. The purpose of this course is to provide additional support to help students be successful in Pre-Algebra. Test-taking strategies, basic math skills, and re-teaching of key pre-algebra concepts are the foundation of this course. This is not an algebra credit. Small class sizes and modifications will accommodate special needs and IEPT recommendations.

TEAM TAUGHT ALGEBRA I (1 credit, 9th & 10th grades)
Prerequisite*: *IEPT

This course is recommended for those students who are able to keep up with the general education pace with the assistance of two certified teachers. Students will be expected to complete homework almost on a daily basis. Topics covered are the same as those covered in Algebra I.

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RESOURCE ROOM ALGEBRA I (1 credit, 9th & 10th grades)
Prerequisite*: *IEPT

Topics covered are the same as those covered in general education Algebra, but at a slower pace and without as much depth. Small class size and modifications will accommodate special needs and IEPT recommendations.

TEAM TAUGHT GEOMETRY (1 credit, 10th, 11th grades)
Prerequisite*: *IEPT

This course contains traditional geometry concepts with proofs and constructions. Algebra and trigonometry are also included.

RESOURCE ROOM GEOMETRY (1 credit, 10th & 11th grade)
Prerequisite*: *IEPT

This course contains traditional geometry concepts with proofs and constructions. Algebra and trigonometry are also included. Small class size and modifications will accommodate special needs and IEPT recommendations.

TEAM TAUGHT ALGEBRA II-A* (1 credit, 11th & 12th grades)
Prerequisite*: *IEPT

Algebra II-A is a mathematics course that builds on previous algebra and geometry topics and includes some probability and statistics. Algebra II-A is the first year of a two-year course. It is designed to meet the state graduation requirements for students who will benefit from Algebra II spread out over two years. However, Algebra II-A will not cover all materials needed prior to SAT/M STEP. *****Seniors who take Algebra II-A only will need to file for a personal curriculum through their counselor in the Guidance Office.***

RESOURCE ROOM ALGEBRA II (1 credit, 11th & 12th grades)
Prerequisite*: *IEPT

Algebra II is a mathematics course that builds on previous algebra and geometry topics and includes some probability and statistics. Small class size and modifications will accommodate special needs and IEPT recommendations.

RESOURCE ROOM CONSUMER MATH (1 credit 12th grade)
Prerequisite: *IEP and Administrator Approval*

Consumer math is a special education course individualized for students with IEPs. This course focuses on real-world math applications to help students build the life skills to live independently. Various topics are covered throughout this year-long course, including personal management, personal banking, responsible purchasing, budgeting, and planning for the future.

ENGLISH

TEAM TAUGHT ENGLISH 9 (1 credit, 9th grade)
Prerequisite*: *IEPT

The goal of this course is to prepare students for post high school education and the working world. This course is designed to improve reading, writing, spelling, comprehension, and grammar skills through individualization and direct instruction. A variety of written formats will be explored including narrative, persuasive, informational and descriptive. Students will experience a variety of genre: mythology, novels, short stories, non-fiction, and drama.

RESOURCE ROOM ENGLISH 9 (1 credit, 9th grade)
Prerequisite*: *IEPT

This course is designed to improve reading, writing, spelling, comprehension, and grammar skills through individualized and direct instruction. Students will experience a variety of genres: mythology, novels, short stories, non-fiction, and drama. Small class size and modifications will accommodate special needs and IEPT recommendations.

TEAM TAUGHT ENGLISH 10 (1 credit, 10th grade)
Prerequisite*: *IEPT

The goal of this course is to prepare students for post-high school education and the world-of-work. This course reinforces reading, writing, comprehension, and grammar skills through individualization and direct instruction. Written formats explored include: memoir, character analysis, persuasive writing, and an informative MLA-style research paper. Students will experience a variety of genres including short stories, non-fiction, drama, poetry, and legends.

RESOURCE ROOM ENGLISH 10 (1 credit, 10th grade)
Prerequisite*: *IEPT

This course reinforces reading, writing, spelling, comprehension, and grammar skills through individualization and direct instruction. Students will experience a variety of genres including short stories, non-fiction, drama, memoir and poetry. Written formats explored are story elements, character analysis, literary devices, and an informative MLA style research paper. Small class size and modifications will accommodate special needs and IEPT recommendations.

TEAM TAUGHT ENGLISH 11 (1 credit, 11th grade)
Prerequisite*: *IEPT

This class is based on a survey of American Literature from Puritan times to the present, tracing the origin and recurring themes in literature. Writing is based on the following four modes: literary analysis, narrative, persuasive, and full process research. Preparation for the high school SAT/M STEP test will be included.

RESOURCE ROOM ENGLISH 11 (1 credit, 11th grade)
Prerequisite*: *IEPT

The goal of this course is to prepare students for post high school education and the working world. Reading comprehension, spelling, writing, and grammar skills will be continued from the Transition English 10 course. Research will be required. American Literature will be surveyed from Puritan times to the present. Preparation for the high school SAT/M STEP tests will be included. An emphasis will be placed on school-to-work and life transition skills, social skills, and employment skills. Small class size and modifications will accommodate special needs and IEPT recommendations.

TEAM TAUGHT ENGLISH 12 (1 credit, 12th grade)
Prerequisite*: *IEPT

English 12 focuses on research skills, speech, elements of persuasion, and literary analysis. In addition, students will work on two semester long culminating Senior Exit Projects.

RESOURCE ROOM ENGLISH 12 (1 credit, 12th grade)
Prerequisite:* *IEPT

The goal of this course is to prepare students for post-high school education and the world-of-work. Reading comprehension, writing, and grammar skills will be continued from the Transition English 11 course. A variety of written formats will be explored as well as speech and presentation skills. An emphasis will be placed on school-to-work, life transition skills, social skills, and employment skills. Small class size and modifications will accommodate special needs and IEPT recommendations.

SOCIAL SCIENCES

TEAM TAUGHT WORLD HISTORY & GEOGRAPHY (1 credit, 9th grade)
Prerequisite*: *IEPT

This course will deliver the main topics necessary for students to understand and demonstrate knowledge of world history and cultural foundation especially as they relate to current issues facing the world today. In addition to an overview of significant historical eras and civilizations around the world, students will have the opportunity to investigate some or all of the following topics: economics, civics, conflict, poverty, population and human rights.

RESOURCE ROOM WORLD HISTORY & GEOGRAPHY (1 credit, 9th grade)
Prerequisite:* *IEPT

This course will deliver the main topics necessary for students to understand and demonstrate knowledge of world history and cultural foundations especially as they relate to current issues facing the world today. In addition to an overview of significant historical eras and civilizations around the world, students will have the opportunity to investigate some or all of the following topics: economics, civics, poverty, population, and human rights. Small class size will accommodate special needs and IEPT recommendations. Small class size and modifications will accommodate special needs and IEPT recommendations.

TEAM TAUGHT U.S. HISTORY & GEOGRAPHY (1 credit, 10th grade)
Prerequisite*: *IEPT

The substance of this course is the study of people and events from the beginning of the 20th century to the present using research and discovery methods with primary and secondary sources. Students will relate historical information to present and future problem-solving. Events, ideas, and people are organized into thematic units for this course.

RESOURCE ROOM UNITED STATES HISTORY & GEOGRAPHY (1 credit, 10th grade)
Prerequisite:* *IEPT

The substance of this course is the study of people and events from the beginning of the 20th century to the present using research and discovery methods with primary and secondary sources. Students will relate historical information to present and future problem-solving. Events, ideas, and people are organized into thematic units of this course. Small class size and modifications will accommodate special needs and IEPT recommendations.

TEAM TAUGHT UNITED STATES GOVERNMENT (1/2 credit, 11th & 12th grades)
Prerequisite: *IEPT*

The primary focus of this required American Government class is to assure that students have a working knowledge of a constitutional democracy. Topics addressed include: Congress, The Presidency, The Judiciary, Federalism, Civil Rights, and The Bureaucracy. Some emphasis is on other forms of government as well as our state and local governments. The goal is to meet state standards and benchmarks, as well as preparing all students for the privilege of participating in their democratic process.

RESOURCE ROOM UNITED STATES GOVERNMENT (1/2 credit, 11th & 12th grades)
Prerequisite*: *IEPT

The primary focus of this required American Government class is to assure that students have a working knowledge of a constitutional democracy. Topics addressed include: Congress, The Presidency, The Judiciary, Federalism, Civil Rights, and The Bureaucracy. Some emphasis is on other forms of government, as well as our state and local government. The goal is to meet state standards and benchmarks, as well as preparing all students for the privilege of participating in their democratic process. Small class size will accommodate special needs and IEPT recommendation.

TEAM TAUGHT ECONOMICS (1/2 credit, 11th & 12th grades)
Prerequisite*: *IEPT

This required class will allow students to address economic decision making at a practical level. It will examine economic theory and practices as well as national and international economics. Students will explore personal finance by participating in a hands-on simulation. Students will learn about many aspects of economics including government intervention, fiscal and monetary policy, and the role of the individual in the economy.

RESOURCE ROOM ECONOMICS (1/2 credit, 11th & 12th grades)
Prerequisite:* *IEPT

This required class will allow students to address economic decision making at a practical level. It will examine economic theory and practices as well as national and international economics. Students will explore personal finance by participating in a hands-on simulation. Students will learn about many aspects of economics including government intervention, fiscal and monetary policy, and the role of the individual in the economy.
Small class size and modifications will accommodate special needs and IEPT recommendations.

SCIENCE

TEAM TAUGHT PHYSICAL SCIENCE 9* (1 credit, 9th grade)
Prerequisite*: *IEPT

This course will include concepts from both physics and chemistry such as: motion of objects, electricity, magnetism, waves and vibrations, changes in matter, and matter energy. This course is designed to help prepare the students for the Michigan Merit Exam (MSTEP/SAT) taken in their junior year.

RESOURCE ROOM PHYSICAL SCIENCE (1 credit, 9th grade)
Prerequisite:* *IEPT

This course is designed to help students gain knowledge linked to concepts in chemistry & physics. Small class size and modifications will accommodate special needs and IEPT recommendations.

TEAM TAUGHT ENVIRONMENTAL SCIENCE (1 Credit, 11th, & 12th grades)
Prerequisite:* *Biology, IEP

This course is designed to help students gain knowledge linked to environmental science. With the exploration of patterns and processes of the earth, studies of environmental problems of the earth and possible solutions, as well as studying ecology, biosphere, land, forests and soil, water, energy and resources, and societies and policy.

RESOURCE ROOM ENVIRONMENTAL SCIENCE (1 Credit, 11th, & 12th grades)
Prerequisite: *Biology, IEP*

Environmental Science is the study of the natural world and how it is influenced by human activity. Students will explore the patterns and processes of Earth and how these are affected by natural and human impacts. They will study the environmental problems that our planet is facing today and various efforts to solve them, ultimately understanding the need for a sustainable future. Small class sizes and modifications will accommodate special needs and IEP recommendations.

TEAM TAUGHT BIOLOGY (1 credit, 10th, 11th, & 12th grades)
***Prerequisite*:** *IEPT*

Biology will use science practices to build models, understand unity and diversity, ecosystem dynamics, organism structures, processes, inheritance and variation of traits.

RESOURCE ROOM BIOLOGY (1 credit, 10th, 11th, & 12th grades)
Prerequisite: *IEPT*

This course is designed to help students learn the Next Generation Science Standards for Biology through the study of: cycles of life, cell growth, cell development, genetic and inheritance patterns, ecosystems and applications of scientific knowledge. Small class size and modifications will accommodate special needs and IEPT recommendations.

TEAM TAUGHT PHYSICS (1 credit, 11th & 12th grades)
***Prerequisite*:** *IEPT*

This course is designed for students who are not going into a science-related career in college. This is a conceptual (Algebra I math level) approach to understanding physics principles through experiments and observing phenomena in everyday life.

RESOURCE ROOM PHYSICS (1 credit, 11th & 12th grades)
***Prerequisite*:** *IEPT*

This course is designed for students who are not going into a science-related career in college. This is a conceptual (non-mathematical) approach to understanding physics principles through experiments and observing phenomena in everyday life. Small class size and modifications will accommodate special needs and IEPT recommendations.

STUDY SKILLS

RESOURCE ROOM STUDY SKILLS (1 credit, 9th, 10th, 11th, & 12th grades)
Prerequisite: *IEPT*

This pass/fail course is designed to assist students with goal setting, organization, time management, and self-advocacy. This will allow assistance with assignments, preparation for assessments, review of current grades to improve process in all classes, and the reading of testing materials based on IEP accommodations. This classroom is also utilized by other students with IEPs coming from a general education class for test reading and/or an alternative test setting. In addition, students will also be able to retake assessments during this class as stipulated in their IEP's. Students' study skills grade comes from the average of the other 5 class percentages. That final grade will translate to S+, S, S-, or U at the end of the semester. Small class size and modifications will accommodate special needs and IEPT recommendations.

RESOURCE ROOM STUDY SKILLS: CONNECTIONS

This pass/fail course is designed to assist students with goal setting, social skills, behavioral management, and relationship-building, as well as provide an environment for students to decompress and engage in positive classroom discussions with staff and peers. Study Skills: Connections also allows assistance with assignments, preparation for assessments, reviewing of current grades, and reading of testing materials based on IEP accommodations. Students' study skills grade comes from the average of the other 5 class percentages. That final grade will translate to S+, S, S-, or U at the end of the semester. Small class size and modifications will accommodate special needs and IEPT recommendations.

GenNet Interactive

2025 – 2026

Application Required (pick up in the Guidance Office)

Davison is one of the districts that participate in GenNET, a consortium of the 21 school districts in Genesee County. This allows us to offer courses through a distance- learning classroom in our building.

ASL I and ASL II are taught by a Davison staff member. These classes have a two-way interactive environment where students at other schools are joined together in the classroom and taught simultaneously by one teacher. The interactive environment includes students from 7 different remote locations.

ASL III is remotely taught on the high school premises. ASL III is subject to a different calendar than Davison's Academic Calendar. Students will be expected to follow the school's calendar hosting ASL III. Students taking ASL III must follow their Gen Net class schedule on Wednesdays and Davison's scheduled intersessions and breaks.

To qualify for GenNet ASL I, ASL II, and ASL III you must have a 3.0 or above grade point average. Good attendance and behavior are considered for acceptance.

The application for GenNet Courses and the Student Contract for participation are located in the Guidance Office. Classes are subject to change due to availability.

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DHS Career Pathways

What are the 6 Career Paths?

Arts & Communication

Careers in this path are related to humanities and performing, visual, literary and media arts. These include architecture; graphic, interior, and fashion design; writing; film; fine arts; journalism; languages; media; advertising; and public relations.

Business & Management/Marketing

Careers in this path are related to the business environment. These include entrepreneurship (business ownership) marketing, sales, computer and information systems, finance, accounting, personnel, economics, and management.

Engineering/Marketing/ Industrial

Careers in this path are related to technologies necessary to design, develop, install, and maintain physical systems. These include engineering, manufacturing, construction, service, and related technologies.

Health Science

Careers in this path are related to the promotion of health and treatment of diseases. These include research, prevention, treatment, and related health technologies.

Human Service

Careers in this path are related to economic, political, and social systems. These include education, government, law and law enforcement, religion, childcare, and social services.

Natural Resources/Agri-science

Careers in this path are related to agriculture, the environment, and natural resources. These include agricultural sciences, earth sciences, environmental sciences, fisheries, forestry, horticulture, and wildlife.

Exploring Career Pathways

How can Career Pathways help me?

By exploring career majors and suggested pathways now, you can expand your choices for the future. The courses you select in high school can greatly assist your future career development. Career Pathways have been developed for you and your family to use to help make your career and college decisions easier.

By exploring different career pathways, you will see how many of the things you study (math, science, social studies) in school are important in many careers. When you see a connection between what you are learning in school and the demands of the workplace and college admissions requirements, chances are school will mean more to you. Plus, you will be more motivated because you will be in charge of where you are going and pursuing interests and activities that matter to you.

Why are Career Pathways Important?

Today's job market demands a highly-skilled work force. Many new jobs require at least one or more years of education beyond high school. So the courses you select in high school can prepare you for further education and employment. To be successful in today's labor market, you need to be prepared with a school and employment record that shows high academic achievement, good attendance, and that you are driven by a purpose and have goals.

Plan of Action

Goals are essential to your academic and occupational career. Goals are your road map, giving a destination and a route.

Complete a four-year plan using Davison High School's graduation course requirements and electives that support your career pathway. Picking a career pathway is not a permanent choice. It is only a starting point. It gives you a purpose for being in high school!

Davison High School

Suggested High School Plan—Arts & Communication Pathway

4-year College Prep	9th Grade	Community College/Technical
English 9 (1 credit)		**English 9** (1 credit)
World History & Geography(1 credit)		**World History & Geography**(1 credit)
Algebra I (1 credit)		**Algebra I** (1 credit)
Physical Science 9 (1 credit)		**Physical Science 9** (1 credit)
Lifetime Activities or Fitness (0.5 credit)		**Lifetime Activities or Fitness** (0.5 credit)
Health (0.5 credit)		**Health** (0.5 credit)
Elective (1 credit)		Elective (1 credit)
4-year College Prep	**10th Grade**	Community College/Technical
English 10 (1 credit)		**English 10** (1 credit)
United States History & Geography (1 credit)		**United States History & Geography** (1 credit)
Geometry (1 credit)		**Geometry** (1 credit)
Biology (1 credit)		**Biology** (1 credit)
Physical Education Elective (0.5)		Physical Education Elective (0.5)
Electives (1.5 credits)		Electives (1.5 credits)
4-year College Prep	**11th Grade**	Community College/Technical
English 11 (1 credit)		**English 11** (1 credit)
United States Government (0.5 credit)		**United States Government** (0.5 credit)
Economics (0.5 credit)		**Economics** (0.5 credit)
Algebra II (1 credit)		**Algebra II** (1 credit)
Chemistry or Physics (1 credit)		**Chemistry or Physics** (1 credit)
Electives (2.0 credits)		Electives (2.0 credits)
4-year College Prep	**12th Grade**	Community College/Technical
English 12 (1.0 credit)		**English 12** (1.0 credit)
Social Studies Selection (0.5 credit)		**Social Studies Selection** (0.5 credit)
Math Selection (1.0 credit)		**Math Selection** (1.0 credit)
Electives (3.5 credits)		Electives (3.5 credits)

Required courses for each year are in bold type.

Electives Related to the Arts & Communications Pathway:

Introduction to Art	Choralaires	Entrepreneurship
Ceramics	Cardinal Choir	Teacher Cadet
Drawing I	Concert Band	Cooperative Education
Drawing II	String Orchestra	GCI: Cosmetology/Adv Studies
Painting	Chamber Orchestra	GCI: Web Design, Programming & Animation
Advanced Art	Wind Ensemble	GCI: Digital Media Arts/Adv Studies
Computer	Varsity Choir	
Graphics/Animation	Concert Choir	
Photography/Digital Imaging	Psychology	
Interior Design/Housing	AP Psychology	
Yearbook/Publications	Sociology	
DTV I, II, & III	World Language*	
DTV Broadcasting – After	Construction Trades I	
School Internship	Construction Trades II	
Drama I & II	Web Design	

At least two years of a single world language are strongly advised for admission to a 4-year college/university and are mandatory for all students starting with the class of 2016 **PLEASE NOTE:** Students will have the option to replace one credit of world language with a state approved CTE course/program or with an additional 1 credit Visual, Performing, or Applied Arts. **1.0 credit is required in Fine Arts,** which includes visual, performing, or applied arts.

Davison High School

Suggested High School Plan—Business, Management, & Marketing Pathway

4-year College Prep	9th Grade	Community College/Technical
English 9 (1 credit)		**English 9** (1 credit)
World History & Geography (1 credit)		**World History & Geography** (1 credit)
Algebra I (1 credit)		**Algebra I** (1 credit)
Physical Science 9 (1 credit)		**Physical Science 9** (1 credit)
Lifetime Activities or Fitness (0.5 credit)		**Lifetime Activities or Fitness** (0.5 credit)
Health (0.5 credit)		**Health** (0.5 credit)
Elective (1 credit)		Elective (1 credit)
4-year College Prep	10th Grade	Community College/Technical
English 10 (1 credit)		**English 10** (1 credit)
United States History & Geography (1 credit)		**United States History & Geography** (1 credit)
Geometry (1 credit)		**Geometry** (1 credit)
Biology (1 credit)		**Biology** (1 credit)
Physical Education Elective (0.5)		Physical Education Elective (0.5)
BMA I or Marketing I		BMA I or Marketing I
4-year College Prep	11th Grade	Community College/Technical
English 11(1 credit)		**English 11** (1 credit)
United States Government (0.5 credit)		**United States Government** (0.5 credit)
Economics (0.5 credit)		**Economics** (0.5 credit)
Algebra II (1 credit)		**Algebra II** (1 credit)
Chemistry or Physics (1 credit)		**Chemistry or Physics** (1 credit)
BMA II or Marketing II		BMA II or Marketing II
4-year College Prep	12th Grade	Community College/Technical
English 12 (1.0 credit)		**English 12** (1.0 credit)
Social Studies Selection (0.5 credit)		**Social Studies Selection** (0.5 credit)
Math Selection (1.0 credit)		**Math Selection** (1.0 credit)
Accounting and/or Marketing III/BMA III		Electives (2.5 credits)
		BMA II or Marketing II

Required courses for each year are in bold type.

Electives Related to the Business, Management, & Marketing Pathway:

Accounting	Financial Literacy	GCI: VEI Entrepreneur I & II
Criminal Law	Yearbook/Publications	GCI: Web Design, Programming, & Animation
Entrepreneurship	AP Macroeconomics	GCI: Marketing & Entrepreneurship
Web Design	AP Microeconomics	
Statistics	Psychology	
Brief Calculus	AP Psychology	
Marketing 1	Sociology	
Marketing 2	World Language*	
Marketing 3	Teacher Cadet	
AP Statistics	Cooperative Education	
	BMA I & II	

At least two years of a single world language are strongly advised for admission to a 4-year college/university and are mandatory for all students starting with the class of 2016 **PLEASE NOTE:** Students will have the option to replace one credit of world language with a state approved CTE course/program or with an additional 1 credit Visual, Performing, or Applied Arts. **1.0 credit is required in Fine Arts,** which includes visual, performing, or applied arts.

Davison High School

Suggested High School Plan—Engineering/Manufacturing & Industrial Tech Pathway

4-year College Prep	9th Grade	Community College/Technical
English 9 (1 credit)		**English 9** (1 credit)
World History & Geography (1 credit)		**World History & Geography** (1 credit)
Algebra I (1 credit)		**Algebra I**(1 credit)
Physical Science 9 (1 credit)		**Physical Science 9** (1 credit)
Lifetime Activities or Fitness (0.5 credit)		**Lifetime Activities or Fitness** (0.5 credit)
Health (0.5 credit)		**Health** (0.5 credit)
Introduction to Engineering Design		Introduction to Engineering Design
4-year College Prep	10th Grade	Community College/Technical
English 10 (1 credit)		**English 10** (1 credit)
United States History & Geography (1 credit)		**United States History & Geography** (1 credit)
Geometry (1 credit)		**Geometry** (1 credit)
Biology (1 credit)		**Biology** (1 credit)
Physical Education Elective (0.5)		Physical Education Elective (0.5)
Principles of Engineering (POE)		Principles of Engineering (POE)
4-year College Prep	11th Grade	Community College/Technical
English 11(1 credit)		**English 11** (1 credit)
United States Government (0.5 credit)		**United States Government** (0.5 credit)
Economics (0.5 credits)		**Economics** (0.5 credits)
Algebra II (1 credit)		**Algebra II** (1 credit)
Chemistry or Physics (1 credit)		**Chemistry or Physics** (1 credit)
Mechatronics/Robotics I		Mechatronics/Robotics I
4-year College Prep	12th Grade	Community College/Technical
English 12 (1.0 credit)		**English 12** (1.0 credit)
Social Studies Selection (0.5 credit)		**Social Studies Selection** (0.5 credit)
Math Selection (1.0 credit)		**Math Selection** (1.0 credit)
Physics (1 credit)		Electives (3.5 credits)
Mechatronics/Robotics II		Mechatronics/Robotics II

Required courses for each year are in bold type.

Electives Related to the Engineering/Manufacturing & Industrial Technology Pathway:

Construction Trades I	Statistics	GCI: Computer Hardware Technician/Adv Studies
Construction Trades II	Computer Programming	GCI: Welding/Adv Studies
Web Design	AP Statistics	GCI: Auto Technology I & II
Computer Repair	AP Computer Programming	GCI: Construction Trades/Adv Studies
Computer Networking	World Language *	GCI: Intro to 3-D Game Programming
Auto Tech I, II, IIII	Entrepreneurship	GCI: Electrical Wiring/Adv Studies
Trigonometry w/Pre-Calc	Teacher Cadet	GCI: Medium/Heavy Duty Truck Tech/Adv Studies
Interior Design	Cooperative Education	
Intro to Engineering Design	Health Science I	
Mechatronics/Robotics	Health Science II	
Brief Calculus	Small Engine Repair	
AP Calculus-AB		
AP Calculus-BC		

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Davison High School

Suggested High School Plan—Health Sciences Pathway

4-year College Prep	9th Grade	Community College/Technical
English 9 (1 credit)		**English 9** (1 credit)
World History & Geography (1 credit)		**World History & Geography** (1 credit)
Algebra 1 (1 credit)		**Algebra 1** (1 credit)
Physical Science 9 (1 credit)		**Physical Science 9** (1 credit)
Lifetime Activities or Fitness (0.5 credit)		**Lifetime Activities or Fitness** (0.5 credit)
Health (0.5 credit)		**Health** (0.5 credit)
Elective (1 credit)		Elective (1 credit)
4-year College Prep	**10th Grade**	Community College/Technical
English 10 (1 credit)		**English 10** (1 credit)
United States History & Geography (1 credit)		**United States History & Geography** (1 credit)
Geometry (1 credit)		**Geometry** (1 credit)
Biology (1 credit)		**Biology** (1 credit)
Physical Education Elective (0.5)		Physical Education Elective (0.5)
Electives (1.5 credits)		Electives (1.5 credits)
4-year College Prep	**11th Grade**	Community College/Technical
English 11(1 credit)		**English 11** (1 credit)
United States Government (0.5 credit)		**United States Government** (0.5 credit)
Economics (0.5 credit)		**Economics** (0.5 credit)
Algebra II (1 credit)		**Algebra II** (1 credit)
Chemistry or Physics (1 credit)		**Chemistry or Physics** (1 credit)
Health Science I		Health Science I
4-year College Prep	**12th Grade**	Community College/Technical
English 12 (1.0 credit)		**English 12** (1.0 credit)
Social Studies Selection (0.5 credit)		**Social Studies Selection** (0.5 credit)
Math Selection (1.0 credit)		**Math Selection** (1.0 credit)
Science Elective (1.0 credit)		Electives (3.5 credits)\
Health Science II		Health Science I

Required courses for each year are in bold type.

Electives Related to the Health Sciences Pathway:

Trigonometry w/Pre-Calc	Sociology	GCI: Nursing – Advanced Studies
Honors Physics	Sports Medicine	GCI: Medical Assistant I & II
Physics	Healthy Living I	GCI: Sports Medicine I & II
Chemistry	Healthy Living II	GCI: Veterinary Medicine I & II
Anatomy & Physiology	World Language*	GCI: Medical Career foundation (MCF)
Human Development	Entrepreneurship	GCI: Forensic Science I & II
Microbiology	Teacher Cadet	GCI: Emergency Medical Concepts I
Honors Biology	Cooperative Education	GCI: CNA Advanced Studies
AP Biology	Health Science I	
AP Chemistry	Health Science II	
Psychology		
AP Psychology		

At least two years of a single world language are strongly advised for admission to a 4-year college/university and are mandatory for all students starting with the class of 2016 **PLEASE NOTE:** Students will have the option to replace one credit of world language with a state approved CTE course/program or with an additional 1 credit Visual, Performing, or Applied Arts. **1.0 credit is required in Fine Arts,** which includes visual, performing, or applied arts.

Davison High School

Suggested High School Plan—Human Services Pathway

4-year College Prep	**9th Grade**	Community College/Technical
English 9 (1 credit) **World History & Geography** (1 credit) **Algebra I** (1 credit) **Physical Science 9** (1 credit) **Lifetime Activities or Fitness** (0.5 credit) **Health** (0.5 credit) Elective (1 credit)		**English 9** (1 credit) **World History & Geography** (1 credit) **Algebra I** (1 credit) **Physical Science 9** (1 credit) **Lifetime Activities or Fitness** (0.5 credit) **Health** (0.5 credit) Elective (1 credit)
4-year College Prep	**10th Grade**	Community College/Technical
English 10 (1 credit) **United States History & Geography** (1 credit) **Geometry** (1 credit) **Biology** (1 credit) Physical Education Elective (0.5) Electives (1.5 credits)		**English 10** (1 credit) **United States History & Geography** (1 credit) **Geometry** (1 credit) **Biology** (1 credit) Physical Education Elective (0.5) Electives (1.5 credits)
4-year College Prep	**11th Grade**	Community College/Technical
English 11(1 credit) **United States Government** (0.5 credit) **Economics** (0.5 credit) **Algebra II** (1 credit) **Chemistry or Physics** (1 credit) Electives (2.0 credits)		**English 11** (1 credit) **United States Government** (0.5 credit) **Economics** (0.5 credit) **Algebra II** (1 credit) **Chemistry or Physics** (1 credit) Electives (2.0 credits)
4-year College Prep	**12th Grade**	Community College/Technical
English 12 (1.0 credit) **Social Studies Selection** (0.5 credit) **Math Selection** (1.0 credit) Electives (3.5 credits)		**English 12** (1.0 credit) **Social Studies Selection** (0.5 credit) **Math Selection** (1.0 credit) Electives (3.5 credits)

Required courses for each year are in bold type.

Electives Related to the Human Services Pathway:

Accounting BMA I & II Criminal Law Marketing 1 Marketing 2 Marketing 3 Healthy Living I Healthy Living II	Yearbook/Publications Psychology AP Psychology Sociology World Language* Entrepreneurship Teacher Cadet Cooperative Education Health Science I Health Science II	GCI: Cosmetology/Adv Studies GCI: Public Safety/Homeland Security GCI: Culinary Essentials I & II GCI: Junior Reserve Officer Training (JROTC)

At least two years of a single world language are strongly advised for admission to a 4-year college/university and are mandatory for all students starting with the class of 2016 **PLEASE NOTE:** Students will have the option to replace one credit of world language with a state approved CTE course/program or with an additional 1 credit Visual, Performing, or Applied Arts. **1.0 credit is required in Fine Arts,** which includes visual, performing, or applied arts.

Davison High School

Suggested High School Plan—Natural Resources & Agriscience Pathway

4-year College Prep	9th Grade	Community College/Technical
English 9 (1 credit)		**English 9** (1 credit)
World History & Geography (1 credit)		**World History & Geography** (1 credit)
Algebra I (1 credit)		**Algebra I** (1 credit)
Physical Science 9 (1 credit)		**Physical Science 9** (1 credit)
Lifetime Activities or Fitness (0.5 credit)		**Lifetime Activities or Fitness** (0.5 credit)
Health (0.5 credit)		**Health** (0.5 credit)
Electives (1 credit)		**Electives** (1 credit)
4-year College Prep	**10th Grade**	Community College/Technical
English 10 (1 credit)		**English 10** (1 credit)
United States History & Geography (1 credit)		**United States History & Geography**(1 credit)
Geometry (1 credit)		**Geometry** (1 credit)
Biology (1 credit)		**Biology** (1 credit)
Physical Education Elective (0.5)		Physical Education Elective (0.5)
Electives (1.5 credits)		Electives (1.5 credits)
4-year College Prep	**11th Grade**	Community College/Technical
English 11(1 credit)		**English 11** (1 credit)
United States Government (0.5 credit)		**United States Government** (0.5 credit)
Economics (0.5 credit)		**Economics** (0.5 credit)
Algebra II (1 credit)		**Algebra II** (1 credit)
Chemistry or Physics (1.0 credit)		**Chemistry or Physics** (1.0 credit)
Electives (2.0 credits)		Electives (2.0 credits)
4-year College Prep	**12th Grade**	Community College/Technical
English 12 (1.0 credit)		**English 12** (1.0 credit)
Social Studies Selection (0.5 credit)		**Social Studies Selection** (0.5 credit)
Math Selection (1.0 credit)		**Math Selection** (1.0 credit)
Science elective (1.0 credit)		Electives (3.5 credits)
Electives (2.5 credits)		

Required courses for each year are in bold type.

Electives Related to the Natural Resources & Agriscience Pathway:

Trigonometry w/Pre-Calc	Psychology	GCI: Veterinary Medicine I & II
Honors Biology	AP Psychology	GCI: Agriculture, Food and Natural Resources
AP Chemistry	Sociology	
AP Biology	World Language*	
Honors Physical Science 9	Entrepreneurship	
Microbiology	Teacher Cadet	
Chemistry	Cooperative Education	
Environmental Science		

At least two years of a single world language are strongly advised for admission to a 4-year college/university and are mandatory for all students starting with the class of 2016 **PLEASE NOTE:** Students will have the option to replace one credit of world language with a state approved CTE course/program or with an additional 1 credit Visual, Performing, or Applied Arts. **1.0 credit is required in Fine Arts,** which includes visual, performing, or applied arts.