



FRAMING YOUR FUTURE



2020-2021

CURRICULUM GUIDE





Freshmen will...

- Develop a 4 year high school plan with a school counselor
- Increase understanding of postsecondary opportunities by attending the MCHS College and Career Fair
- Become familiar with the elements of a resume and craft an objective statement
- Research and write about a career of interest

Freshmen can:

- Explore one or two career clusters with a school counselor
- Learn how community service and extracurricular activities can impact postsecondary and career plans
- Discover general cost ranges of postsecondary options
- Attend the Manufacturing, Trades, and Industry (MTI) Career Expo
- Discuss the relationship between HS coursework, attendance, and grades to postsecondary plans with a school counselor and teachers
- Have discussions regarding eligibility for Reach and Get Ahead courses during course selection process with a school counselor



FRAMING YOUR

Juniors will...

- Retake a career interest survey
- Interact with postsecondary representatives at the MCHS College and Career Fair
- Learn interview techniques
- Create a personalized resume with an objective statement
- Continue discussions regarding eligibility for Reach courses during course selection process
- Take the SAT
- Identify 3-5 match institutions, one safety, one Reach school for postsecondary program of study

Juniors can:

- Discover application deadlines, cost, and preparation for industry-based certification and postsecondary programs of study
- Identify financial aid deadlines for chosen postsecondary options
- Discuss the impact of remediation on postsecondary goals
- Discuss opportunities related to a career path (e.g. internships, job shadowing, coursework, volunteer)
- Connect with at least 3 postsecondary institutions

Sophomores will...

- Build upon a 4 year high school plan with a school counselor
- Explore postsecondary opportunities based on career clusters of interest at the MCHS College and Career Fair
- Identify one or two career clusters with a school counselor
- Determine the 2-3 adults who will act as a support system throughout the college/career selection process
- Discuss eligibility for Reach and Get Ahead courses during course selection process with teachers and a school counselor

Sophomores can:

- Determine the educational requirements, cost, and expected salary for a chosen career of interest
- Observe various careers via site visits, interviews, videos, etc.
- Understand the general timing of PSAT/NMSQT, SAT, and other entrance exams
- Discuss the benefit of dual credit opportunities to postsecondary access and completion
- Complete a mock scholarship application
- Discuss the connection between Reach courses and the postsecondary benefits (e.g. AP courses, Dual Credit options, CLEP tests, etc.)

FUTURE

Seniors will...

- Discuss internship opportunities related to a career path
- Understand how career path courses and experiences align to programs at postsecondary options
- Complete 3 or more admissions applications to PS institutions (one match, one safety, one reach) by the end of 1st semester
- Meet with a school counselor to ensure all steps in the postsecondary admissions process are completed by the end of 1st semester
- Estimate the cost of each postsecondary option
- Understand the affordability of postsecondary options in relation to expected entry-level career salary and anticipated debt
- Attend a FAFSA completion workshop by the end of 1st semester
- Complete the FAFSA independently or as part of a local workshop by the end of 1st semester
- Break down the terms and conditions of any scholarship or loan
- Finalize Warrior Resume to use for post-secondary opportunities

Seniors can:

- Address remedial needs in math and English
- Earn industry-based certification(s) related to a career path
- Complete one or more Reach or capstone courses
- Attend a financial aid award letter workshop
- Apply for scholarship opportunities related to postsecondary plans
- Attend the Manufacturing, Trades, and Industry (MTI) Career Expo

TABLE OF CONTENTS

WELCOME LETTER	2
EQUAL EDUCATIONAL OPPORTUNITIES	3
DATA-DRIVEN COURSE ENROLLMENT AND PLACEMENT PHILOSOPHY.....	3
DISTINGUISHED WARRIOR GRADUATE PROGRAM	4 - 5
HONORS DESIGNATION AND DECEMBER GRADUATION	6
GRADE WEIGHTING SYSTEM AND SCALE	7
ADVANCED PLACEMENT AND HONORS RECEIVING WEIGHTED GRADING	8
REQUIREMENTS FOR GRADUATION	9 - 10
POLICY ON GRADE ADVANCEMENT AND PASS-FAIL PROGRAM	10
COURSE REPEAT POLICY	11
SCHEDULE CHANGES	11 - 12
ZERO HOUR CLASSES	12
PHYSICAL EDUCATION EXEMPTION POLICY	12
POST SECONDARY SCHOOL PLANS	13
COLLEGE INFORMATION.....	13 - 14
NCAA ELIGIBILITY AND CORE COURSES	15
FINANCIAL AID	15 - 16
OTHER EDUCATIONAL OPTIONS AND TRANSFER EDUCATION	16 - 17
CAREER AND TECHNICAL EDUCATIONAL PROGRAMS	17 - 20
BLENDED AND DIGITAL LEARNING COURSES	20 - 21
PHILOSOPHY OF SUMMER SCHOOL	21
COURSE OFFERINGS	22 - 27
INDEX TO COURSE DESCRIPTIONS.....	27
ACADEMIC SUPPORTS COURSES & PROGRAMS	28
NON-DEPARTMENTAL COURSES OFFERINGS	29 - 30
DIVISION OF MATH	31
MATHEMATICS	31 - 35
DIVISION OF SCIENCE	36
SCIENCE	36 - 40
DIVISION OF ENGLISH AND SOCIAL SCIENCE	41
ENGLISH.....	42 - 46
SOCIAL SCIENCE	47 - 52
DIVISION OF FINE ARTS AND WORLD LANGUAGE	53
ART	53 - 56
MUSIC	57 - 60
WORLD LANGUAGES	61 - 64
ENGLISH LEARNER (EL)	65 - 68
DIVISION OF CAREER AND TECHNICAL EDUCATION (CTE)	69
BUSINESS EDUCATION	70 - 71
FAMILY AND CONSUMER SCIENCES (FACS)	72 - 73
INDUSTRIAL TECHNOLOGY.....	74 - 77
COMMUNITY SERVICE PROGRAMS	78
DUAL ENROLLMENT COURSES	79 - 81
PLTW	82 - 84
DIVISION OF PHYSICAL EDUCATION, HEALTH AND DRIVERS EDUCATION	85
PHYSICAL EDUCATION / HEALTH / DRIVERS EDUCATION	86 - 88
DIVISION OF SPECIAL EDUCATION	89 - 93
CAREER CLUSTERS AND PATHWAYS GUIDE	94 - 104

ABBREVIATIONS:

AP = ADVANCED PLACEMENT

CTE = CAREER AND TECHNICAL EDUCATION

CWT = COOPERATIVE WORK TRAINING

EL = ENGLISH LEARNER

FACS = FAMILY AND CONSUMER SCIENCES

MCC = McHENRY COUNTY COLLEGE

MCCEE = McHENRY COUNTY COOPERATIVE FOR EMPLOYMENT EDUCATION

MCHS = McHENRY COMMUNITY HIGH SCHOOL

PCCS = PARTNERSHIPS FOR COLLEGE AND CAREER SUCCESS

PLTW = PROJECT LEAD THE WAY

McHenry Community High School

District 156 WELCOMES YOU!

November 1, 2019

Dear Students and Parents,

Welcome to McHenry Community High School (MCHS) District 156 where our mission is to provide all students with the skills they need to be lifelong learners and productive citizens. This curriculum guide is designed to help students plan programs of study. In addition to being especially useful as students begin their high school education, this guide will help students select courses throughout grades 9-12 and plan for career choices after graduation.

This curriculum guide contains a listing of courses offered for selection. The courses are described along with the specific prerequisites required for registration. A student will not be denied any course selection based upon color, national origin, ancestry, sex, ethnicity, language, religion, disability, economic, or social condition, and actual or potential marital or parental status.

Since students may not be able to take all of the courses they desire, they must select courses carefully, keeping their goals, career choices, and personal objectives in mind. Counselors and faculty members will recommend specific courses for students based upon potential and past achievement records. MCHS believes that students participating in the most rigorous and appropriate courses will be best prepared for post-secondary college and careers.

The complexity of class or course scheduling for a school district this size requires an early and accurate collection of student course requests. Therefore, the recommendation and registration process will begin late in the first semester.

The entire MCHS staff, administration, and Board of Education wish you a rewarding and successful high school experience!

*McHenry Community High School District 156
Board of Education and Administration*

EQUAL EDUCATIONAL OPPORTUNITIES

Equal educational opportunities shall be available to all students without regard to race, color, national origin, ancestry, sex, ethnicity, language, religion, disability, economic or social condition, and actual or potential marital or parental status. This school district prohibits discrimination, harassment or retaliation on the basis of any of the foregoing characteristics, of or by any student, employee, agent or third party participating in an activity reasonably related to school. Any student may file a discrimination, harassment or retaliation grievance by contacting the District's Complaint Manager and following the grievance procedure enumerated within the Board's Uniform Grievance Policy. Specific contact information for the Complaint Manager shall be printed annually within the Student Handbook. No student shall be denied equal access to programs, activities, services, or benefits or be limited in the exercise of any right, privilege, advantage, or denied equal access to educational and/or extracurricular programs and activities based on sex. Complaints regarding sex equity may be filed with the District Complaint Manager pursuant to the grievance procedure enumerated within the Board's Uniform Grievance Policy.

DISTRICT COMPLAINT MANAGERS:

**Principal
East Campus
1012 N Green St
McHenry, Illinois 60050
(815) 385-1145**

**Principal
West Campus
4724 W Crystal Lake Rd
McHenry, Illinois 60050
(815) 385-7077**

DATA-DRIVEN COURSE ENROLLMENT AND PLACEMENT PHILOSOPHY

McHenry Community High School District #156 strives to offer a comprehensive array of college and career pathways and associated courses. Students and parents are encouraged to explore a wide variety of curricular opportunities to determine their interests and strengths that produce future careers. McHenry High School is a "growth mindset" organization and seeks to stretch all students to reach their fullest academic potential. MCHS utilizes a data-driven course recommendation and advisement process. Standardized tests, course performance data, common formative assessments, and teacher recommendations are used to guide placement for students into the most rigorous courses appropriate in relation to the skills and abilities of each learner. MCHS teachers, counselors, and administrators are skilled, professional practitioners that use all information available to assist in the determination on the most appropriate course selection and placement that will help the students attain their highest levels of achievement. Student interests and parent participation are vital components of this process. While the final determination of student placement rests with the professional educators of McHenry High School, we look forward to working with students and parents to determine the very best course placement for our students.

CAREER CLUSTERS AND PATHWAYS

MCHS has a robust curriculum geared towards providing all students with a myriad of opportunities to explore a variety of fields of study that will prepare them for future opportunities for rewarding careers. No student can explore all the electives and fields of study available. For this reason, the student course selection process should be driven by careful planning of career interests and postsecondary goals. Annual course selection decisions should be an ongoing planning process involving the student, parents, school counselor, and teachers. We strongly encourage students and parents to refer to the Career Clusters and Pathways Guide located at the end of this document and on the district website.



*McHenry High School offers a four-year program (freshman through senior years)
which promotes overall student EXCELLENCE called the
Distinguished Warrior Graduate Program*

Tiered Distinctions -- Distinguished Warrior and Distinguished Warrior Scholar

The Distinguished Warrior Graduates are publicly recognized during their high school graduation ceremony with a specially designed orange stole displaying the Warrior emblem. MCHS students graduating with this distinction will have met the following criteria:

DISTINGUISHED WARRIOR SCHOLAR (Stole with Emblem and "Scholar" embroidered)

- All DW Criteria met AND
- GPA: 3.75
- SAT 1400 or ACT 30

DISTINGUISHED WARRIOR (Orange Stole with emblem)

- 2.8 GPA
- 95% Overall Attendance Junior and Senior Year
- One ELA and One Math Indicator from table below
- Three Career Ready Indicators Junior/Senior Year from table below
- No ISS and No OSS
- No Code of Conduct Violations



DW CAREER READY INDICATORS (Minimum of Three)
Two or More Organized School Extra/Co-Curricular Activities
25+ Hours of Community Service
Pathway "Capstone" Course
Career Development Experience (Practicum or Internship)
Industry Certification
Military Service or ASVAB 31+
Career Dual Credit Course (Credit earned)
12 Months of Consistent Employment or Consecutive Summer Employment

DW ACADEMIC INDICATORS	
English/Language Arts Indicators (One)	Mathematics Academic Indicators (One)
SAT EBRW Score: 540	SAT MATH Score: 540
ACT English 18, Reading 22	ACT Math 22 and Senior Year Math Class
Dual Credit English Course (A,B,C)	Dual Credit Math Course (A,B,C)
ELA Advanced Placement Course (A,B,C)	Transitional Math Course (A,B,C)
ELA Advanced Placement Exam (3+)	Math Advanced Placement Course (A,B,C)
	Math Advanced Placement Exam (3+)
	Algebra II (A,B,C)

AP Scores must be prior to Senior Year

HONORS DESIGNATIONS

MCHS graduating seniors shall be recognized for outstanding academic achievement using the following designations and criteria:

- **Highest Honors:** Students with a cumulative grade point average of 4.3 and higher.
- **High Honors:** Students with a cumulative grade point average of 4.0 to 4.299.
- **Honors:** Students with a cumulative grade point average of 3.8 to 3.999.

Students will be awarded these designations based upon the cumulative grade point averages of seven semesters.

DECEMBER GRADUATION

Students may request the privilege of seventh semester (December) graduation. In accordance with MCHS graduation policy, it is possible for a student to complete all graduation requirements at the end of seven semesters of attendance, provided administrative and parental approval are given. To request approval from the building principal, a student must complete the request form and submit it to their counselor during course selection in the winter of the student's junior year.

To be eligible for seventh semester (December) graduation, students must begin their 7th semester with 20.0 credits.

All December graduates will be eligible and are encouraged to participate in graduation activities including the seniors' honors program and commencement, which will be held in May. With the exception of graduation activities, prom, and year-end banquets, a December graduate may not participate in any school activities or interscholastic athletics during second semester of his or her senior year.

GRADE WEIGHTING SYSTEM

COURSE CATEGORIES:

GENERAL: These courses are designed to teach students the concepts and principles of specific subject matter as well as the necessary skills to promote subject mastery. Materials and assignments are appropriate to student ability levels.

HONORS: Honors courses are designed to prepare students for advanced placement course work. They are for students who show exceptional ability in a specific learning area. These courses will help satisfy the college admission requirements established by the state universities in Illinois. Each honors course shall require rigorous academic work including specific research, laboratory experimentation and/or term assignments.

ADVANCED PLACEMENT (AP): MCHS offers several Advanced Placement Courses. Enrollment in these courses prepares a student to take the Advanced Placement Exams in the spring. Successful completion of the Advanced Placement Exam can result in a student receiving college/university credit before beginning his/her freshman year.

WEIGHTING SCALE: The current grade point average system is divided into two categories: General and Advanced Placement/Honors. The final grade point average (GPA) is a cumulative average based upon 8 semesters of high school work. To determine GPA, use the following scale:

<u>Grade</u>	<u>Advanced Placement and Honors</u>	<u>General</u>
A	5.0	4.0
B	4.0	3.0
C	3.0	2.0
D	2.0	1.0
F	0	0

A student may transfer a weighted grade to MCHS providing a similar weighted course is offered in our curriculum.

ADVANCED PLACEMENT AND HONORS COURSES RECEIVING WEIGHTED GRADING:

Honors Rhetoric and Research	AP Seminar
Honors American Studies (English and History)	Honors Pre-Calculus
Honors Cultural Studies (English, History and Government)	Advanced Placement Calculus AB
Honors English I	Advanced Placement Calculus BC
Honors English II	Advanced Placement Statistics
Advanced Placement Language and Composition	Honors Algebra I
Advanced Placement Literature and Composition (Traditional or Blended)	Honors Algebra II
Advanced Placement U.S. History	Honors Geometry
Advanced Placement Human Geography	Advanced Placement Biology
Advanced Placement U.S. Government and Politics/ Comparative Government and Politics	Honors Biology
Advanced Placement World History	Advanced Placement Chemistry
Advanced Placement Psychology	Honors Chemistry
Honors Principles of Biomedical Science (PLTW)	Advanced Placement Physics I
Honors Human Body Systems (PLTW)	Advanced Placement Physics II
Honors Medical Interventions (PLTW)	Advanced Placement Environmental Science
Honors Studio Art Portfolio / Honors Studio Photography (Blended)	Honors Accounting II
Advanced Placement Studio Art Portfolio - AP Drawing, AP 2D Art & Design, AP 3D Art & Design, AP Photography (Blended)	Honors INCubatoredu (Dual Credit MCC)
Jazz Band Ensemble (Honors Option)	Honors College Composition / English 151 (Dual Credit MCC)
Percussion (Honors Option)	Honors College Composition / English 152 (Dual Credit MCC)
Symphonic Band (Honors Option)	Honors Introduction to Computer Science (PLTW)
Advanced Placement Music Theory	Honors Computer Science Principles (PLTW)
Honors French III	Honors Computer Science A (PLTW)
Honors Dual Credit French IV / French 151 and 152 (DUAL CREDIT MCC)	Honors Introduction to Engineering Design (PLTW)
Honors German III	Honors Principles of Engineering (PLTW)
Honors Dual Credit German IV / German 151 and 152 (DUAL CREDIT MCC)	Honors Engineering Design and Development (PLTW)
Honors Spanish III and IV	
Honors Spanish for Heritage Learners III	Advanced Placement Spanish Language and Culture

Note: All other courses in our curriculum are considered general education courses.

ADVANCED PLACEMENT FINAL EXAM EXEMPTION

The MCHS Advanced Placement Program offers a variety of rigorous college-level courses with an opportunity of earning college credit by passing the culminating AP Examination held in May of each year. MCHS has an expectation that students cap off the experience by taking the AP exam associated with each course. All AP teachers will offer their students the opportunity to be exempt from the second semester final examination for all students who take the AP test for that course. To be eligible for this incentive, AP students must have a 70% average in the course and have participated in prep activities. This could include attending a prep session or completing prep assignments as determined by the teacher. A cumulative examination may be given prior to the AP test as a preparatory experience.

Students who choose to be exempt the second semester final examination shall have a grade comprised of 100% semester grade and 0% final examination grade. Students may opt to take the final examination to raise their grade for the course. Students who do not elect to take the AP Examination will be required to take the second semester course final exam.

REQUIREMENTS FOR GRADUATION

The District 156 Board of Education has specified certain criteria, which must be met for graduation from MCHS. All requirements must be fulfilled prior to participation in graduation ceremonies.

CURRENT MCHS GRADUATION REQUIREMENTS:

1. Eight semesters of attendance or seven semesters of attendance with written parental request for December graduation and with the approval of the administration provided all other graduation requirements have been met.
2. Twenty-four total credits
3. Twenty and one-half academic credits and three and one-half physical education credits must include:
 - A. Four credits of English
 - B. Three credits of mathematics to include one credit of Algebra I and one credit for a course that includes geometry content.
 - C. Two and one-half credits of social science to consist of Advanced Placement Human Geography or Issues of the 21st Century during their freshman year, Revolutions Throughout History or AP World History during their sophomore year, one credit of U.S. History and one-half credit of American Government. During these courses students must pass the U.S. Government test, the Illinois Constitution test, and a flag test.
 - D. One-half credit of consumer education.
 - E. Three credits of science to include one credit of a life science.
 - F. One-half credit of health education.
 - G. One credit of art, music, world language or vocational education.
 - H. Three and one-half credits of physical education.
4. Students are required to successfully complete two credits of writing intensive courses as part of the English Language Arts curriculum.
5. Driver education classroom instruction (30 hours) must be completed.
6. Successful participation in the school day SAT.

As part of the requirements in high school and to support the college and career readiness focus, additional requirements have been identified and are described below.

Completion of four-year high school plan – Counselors will meet with every student individually throughout their freshman and sophomore years. **Starting with the Class of 2023**, every student will create a four-year high school plan in Naviance by the end of their 10th grade year.

Building and creating a College and Career resume – Based on the importance for all graduating students to be ready for college and career and able to seize a myriad of opportunities, MCHS will be requiring all students to create a college and career resume as a graduation requirement **starting with the Class of 2021**. While all content areas and student services may assist with the creating of resume credentials, the resume will be completed and documented in upper level English and social science courses.

Transcripts for transfer students must show evidence of classes equal to those required by MCHS before a diploma may be issued.

POLICY ON GRADE ADVANCEMENT

In order to enable a student to assume responsibility for earning the district's requirements for graduation, a minimum level of credits have to be reached for advancement to the next grade level.

1. To be classified as a sophomore, a student must earn 6 total credits.
2. To be classified as a junior, a student must earn 12 total credits.
3. To be classified as a senior, a student must earn 18 total credits and must have participated in the school day SAT during their junior year.
4. To graduate, a student must earn 24.0 credits.

A student may advance to the next grade level if necessary credits are earned through approved summer school, correspondence school or tutoring. There will be no grade advancement during the school year.

PASS-FAIL PROGRAM

This program allows a student the following pass/fail options:

A junior or senior may declare a maximum of one course credit per year on pass-fail if the student still maintains four academic credits on the grading scale and the course selected is not a subject required for graduation. In addition, a student in grades 11-12 may opt to take a required physical education course on pass-fail in grades 11-12. No student may take more than one full credit of pass-fail excluding physical education in a given school year. ***Pass-fail grades may be viewed unfavorably by the NCAA eligibility center for students who intend to play intercollegiate athletics.***

GENERAL GUIDELINES

1. Pass-fail must be declared prior to the end of the tenth week of each semester course.
2. All course work must still be completed on the pass-fail program. The advantage is that the letter grade and its effect on class rank and grade point average is removed.
3. "Pass" (P) will be awarded to students who earn a 60% or higher for the semester. Grades below a 60% will appear as fail (XF).

COURSE REPEAT POLICY

1. Students wishing to repeat a course to improve content mastery shall be encouraged to do so. Although the grades earned shall be recorded on the cumulative transcript, the second attempt and grade shall replace the first attempt and the grade in computing the overall grade point average. Only courses taken within the District 156 instructional program shall be utilized for any such replacement. Further, a course that is part of a sequence within a **curricular area** must be taken for replacement of grade/credit earned prior to a student beginning the next course in the sequence.
2. An approved homebound-tutoring situation shall be treated as a District 156 instructional program.
3. In the case of any courses retaken outside of the District 156 instructional program, such as an approved correspondence program or tutored course, both attempts and grades shall be used to calculate the grade point average subject to the principal's discretion.
4. Students shall be discouraged from taking courses from tutors as the quality of such courses and instruction cannot be controlled.

SCHEDULE CHANGES

Every effort is made on the part of the administration, counselors, teachers, parents and students to determine the most appropriate courses for students. Courses will be selected which best fulfill the student's needs, interests and capabilities.

1. Once courses are selected in January/February, they are placed into the computer and class lists are printed.
2. The teachers in each department examine their specific class lists, making changes determined by the student's ability level.
3. Counselor and student discuss any changes and select appropriate substitute courses.
4. A master schedule is designed with all student requests placed in the computer, resulting in student schedules.
5. Students with courses in conflict with one another or with courses that cannot be offered due to insufficient enrollments are contacted so appropriate changes can be made.
6. A final schedule is developed over the summer in which the student receives prior to the start of school.
7. No student may drop an AP or Honors course after June 1 without consultation with the division chair and principal via level change form process.

Once the final schedule has been printed, schedule changes are strongly discouraged. A student who needs a schedule change for a valid educational reason should request that change from a counselor as soon as possible. No schedule changes or requests for new classes can be made after the fifth day of each semester.

Even though dropping courses is and should be highly discouraged once the semester begins, it is understandable that there are instances when it is in the best interest of the student for a schedule

change (course drop) to occur. It is preferable that this procedure be executed with the communication and consent of all parties involved: teacher, students, parents and counselor. No schedule changes or requests for new classes can be made after the fifth day of each semester.

The procedure is as follows:

Following the tenth week second progress report of each semester, any course drop will result in the grade of "WF"; the grade will be printed on the report card/transcript and calculated in the Grade Point Average.

ZERO HOUR CLASSES

MCHS offers several classes during an additional morning period called Zero Hour. Students who take Zero Hour must agree to arrive at school at the appropriate time and must provide their own transportation to school. Zero Hour is advantageous for students with complex schedules. Students primarily opt to take a Zero Hour course to access a class they could not get into their schedule or to access an additional academic class.

For 2020-2021, MCHS offers the following courses as Zero Hour classes:

Physical Education *OR* Strength and Conditioning

Jazz Band

Jazz Band Ensemble

Zero Hour Class Times:

East Campus 6:20am-7:16am

West Campus 6:30am-7:26am

PHYSICAL EDUCATION EXEMPTION POLICY

All students in grades 9 through 12 must take physical education and are not allowed exemptions or waivers except for the following scenarios:

1. The student has a medical waiver.
2. The student in grade 11 or 12 provides written evidence from an institution of higher education that a specific course not included in existing state or local school minimum graduation standards is required for admission. School district staff must verify that the student's present and proposed schedule will not permit completion of the needed course, because the student is already at the maximum course load.
3. The student in grade 11 or 12 lacks either sufficient course credit or one or more courses required by state statute or local school board policies for graduation. Students who have failed required courses, transferred into the district with deficient credits or lack credits due to other causes will be eligible to apply for this exemption if they are carrying the maximum course load.

POSTSECONDARY SCHOOL PLANS

Although MCHS offers only one diploma, students may follow different courses of study in order to meet the requirements for graduation. Courses of study include both college preparatory and technical training.

Upon entering and throughout the four years of high school, students should be giving careful consideration to postsecondary plans. In terms of technical training, students can choose from registered nursing, computer-aided design, early childhood education, automotive technology, office systems technology, manufacturing technology, and graphic arts.

Goals may change so it is best to provide some flexibility in selecting courses. The following information provides directions to be considered for the future:

PRE-PLANNED COLLEGE VISITATION OR JOB SHADOWING

Juniors and seniors are allowed two excused absences per year for the purpose of visiting colleges, trade schools or tech schools. Additionally, a junior or senior student may have one excused absence per year for job shadowing at an approved site. Absences for job shadowing or college visits in the second semester are counted toward the five absences allowed for senior final exemption.

College visitation forms are available in the counseling office and should be completed and returned at least five days prior to the visit. The verification portion of the form must be returned to the attendance office following the college visit.

Job shadowing forms are also available in the counseling office. The guidelines are similar to the college visitation guidelines.

COLLEGE INFORMATION

High school graduation requirements often differ from college admissions requirements. To meet minimum 4-year college admissions requirements, students are advised to plan course selections using the information below. Students considering specific colleges are strongly urged to research that college's course-based admissions requirements. Course rigor and grades are prominent admissions factors with many 4-year colleges.

1. Two important considerations for most colleges and universities in judging applicants for admissions are subjects studied and grades earned. The grades earned will determine grade point average and class rank.
2. Each student who has a particular college or university in mind is urged to learn about the entrance requirements of that college and university early in his or her high school career. Admission requirements vary for each college, university, technical school, art school, or other post high school institution. Information on many schools is available in the counseling office at each campus.

3. The following courses are required for admission to the majority of colleges and universities throughout the U.S., including Illinois colleges and universities:
 - A. **English:** 4.0 credits of English courses emphasizing written and oral communication and literature.
 - B. **Mathematics:** 3.0 credits of which 1.0 Algebra I, 1.0 Geometry, and 1.0 Algebra II are recommended. Highly competitive colleges and/or STEM programs may require 4.0 mathematics credits.
 - C. **Science:** 3.0 credits, of which 1.0 Biology, 1.0 Chemistry, and 1.0 Physics are recommended. Highly competitive colleges and/or STEM programs may require 4.0 science credits.
 - D. **Social Science:** Six semesters of social science.
 - E. **World Language, Fine Arts or Vocational Education:** 2.0 credits of art, world language, music or vocational education. Some colleges require 2.0 world language credits of the same language. Some colleges will allow students who complete 4.0 world language credits of the same language in high school to proficiency out of world language requirements.
4. Most colleges and universities require entrance examinations. The following is a brief description of the college entrance examinations:
5. **SAT:** All juniors will take the SAT exam in the spring. The state requires that no student can be identified as a senior until the school day SAT has been completed. MCHS will provide an opportunity for students to take the suite of assessments that lead to the SAT. The SAT suite of assessments will gauge college readiness and provide parents, students, and staff with valuable information about each student's skill level with which to make plans for improvement. The SAT consists of a verbal test, mathematical test, and writing test. National test dates are offered several times throughout the year at various nearby locations. Spring test dates make juniors eligible for the Illinois State Scholar Competition.
6. Additional tests, highly recommended for college preparation, are the PSAT 8/9 and the PSAT/NMSQT.

PSAT/NMSQT (Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualifying Test): This test measures developed verbal and mathematical reasoning abilities that are important for college work. It is offered once each year, and is part of the SAT suite of assessments. All juniors take the test each fall to assess their abilities to do college work and to enter the scholarship programs administered by the National Merit Scholarship Corporation (NMSC).

NCAA ELIGIBILITY AND CORE COURSES

Potential Student Athletes for NCAA Division I and II colleges:

- NCAA requires you to complete a minimum of 16 NCAA-approved core courses while in high school in the following areas: English, Math, Science, Social Science, and World Language.
- To check the approved core list, visit the NCAA website: www.eligibilitycenter.org and enter your high school code number West Campus: 142830 and East Campus: 142834. Check this website regularly as approved courses may change.
- Athletes need to register with the NCAA Eligibility Center at the beginning of their sophomore year of high school.

Note: Student bulletins, registration information, and test dates are available in the counseling offices at each campus.

Classes at MCHS **that are not approved** as a Core Course by the NCAA:

Contemporary Literature

Stagecraft: An Introduction to Technical Theatre

Fundamentals of Algebra and Geometry

General Math with Geometry Concepts

Intermediate Algebra

Introduction to Theatre

Journalism

Newspaper

Literature of the Theatre (2021-2022 school year)

Learning in a Digital World

Philosophy of Leadership

Rhetorical Analysis of the Media

Transition to College Mathematics

Yearbook

FINANCIAL AID

What is Financial Aid?

Financial aid is the combination of resources that supplement the amount that parents and students are able to contribute to meet the costs of college education.

Financial need is determined by subtracting an estimated family contribution from the total cost of an education.

What various types of financial aid are available?

Financial aid comes in various forms that can be categorized as follows:

1. **State and Federal Grants:** For families that qualify financially or for students who achieve high academic standards, these monies are granted and are not "paid back." (PEL Grants, Illinois State Scholarships, MAP Awards)
2. **Federal Loans:** Stafford Loans can be either subsidized or unsubsidized by the Federal Government. When subsidized, students are only responsible for a fraction of the interest rates on such loans.
3. **University Scholarships and Grants:** Monies awarded for academic achievement, leadership, community service, et.al, are awarded by specific universities to qualifying students. Private colleges and universities make significant offers to students as part of the total financial aid package. It is their way of competing with state-supported universities.
4. **Other Scholarships:** Many national, state, and local organizations have scholarship monies available. These are not part of a student's financial aid package from a college. Most applications can be secured from the high school counseling office.
5. **Work Study:** The Federal Government subsidizes work study programs on campuses. This money is paid directly to the student but is counted as part of the financial aid package.

How do we begin the financial aid process?

By the beginning of the senior year, students should have their college choices narrowed down to a short list of two to six schools. Students should begin the process by contacting these colleges for a list of their scholarships and grants.

Check with the counseling office for a listing of available local scholarships. Applications for these scholarships begin arriving in October of each year. Many colleges and universities also have their own financial aid application used to supplement the free Federal form. Be sure to ask. All students, regardless of family finances, should complete a Free Application for Federal Student Aid (FAFSA). This form must be completed online at: <http://www.FAFSA.ed.gov> and is available beginning October 1st. These forms cannot be completed until after parents complete their income tax forms; however, McHenry County College (MCC) can give you an estimate of your financial aid. It is recommended that tax forms and the FAFSA be submitted as early as possible. Local scholarships are provided through several school organizations as well as community service clubs, civic clubs, and private organizations.

Special interest groups such as professional organizations, trade unions, large firms, national associations, religious groups, etc., provide scholarship monies. These scholarships are advertised throughout the year through bulletins from the counseling offices at both campuses. For additional scholarships that may be available, check with employers, clergy, unions or any organizations

OTHER EDUCATIONAL OPTIONS

If a student is unsure about the investment of time and/or money needed to pursue a four-year college education, other options might be explored.

Community colleges offer students a variety of educational options. Many students go to community colleges pursuing education that will lead to a satisfying career.

Some directions one might wish to pursue at MCC are:

TRANSFER EDUCATION

The students who attend MCC can earn credits that may transfer to a four-year college or university. MCC offers a wide range of programs designed to prepare students for completion of a four-year bachelor's degree.

The Associate of Arts is a two-year degree for students desiring to pursue a bachelor's degree in one of the following areas of study:

- Arts and Sciences (General)
- Communications
- Education
- Humanities
- Social Science

The Associate of Science is a two-year degree for students desiring to pursue a bachelor's degree in one of the following areas of study:

- Business
- Engineering
- Pre-Medicine
- Natural Sciences
- Mathematics

Classes in these programs parallel those offered in the first two years of a four-year institution. A student formally completing a two-year degree may transfer to a college or university, entering as a junior. For specific information on courses transferable to programs at a specific college or university, students should consult a counselor at MCC.

CAREER AND TECHNICAL EDUCATIONAL PROGRAMS

GENERAL REQUIREMENTS FOR ALL ASSOCIATE OF APPLIED SCIENCE DEGREE PROGRAMS AND CERTIFICATE OF COMPLETION PROGRAMS

Each of the programs is primarily designed to prepare a student for entry-level employment in the occupation with which the curriculum is associated. These programs can be completed in two years or less, by students who attend full-time.

While designed primarily for direct employment, the career and technical education programs are not necessarily "terminal." A student, completing an Associate of Applied Science Degree Program and decides to pursue further study at a four-year college or university, should refer to that institution's catalog for the baccalaureate degree requirements in a particular field of interest. Many institutions have developed "capstone" programs for students who wish to continue studying

after completing a career and technical education program at a community college. A counselor at MCC can assist students desiring the necessary information.

Some of the career and technical education programs offered at MCC are focused primarily upon skill development and culminate in a Certificate of Completion. Others are designed as degree programs which combine skill development, the acquisition of related theory, and general education. MCC offers many career and technical education degrees and/or certificate programs. For more details visit MCC's website at <http://www.mchenry.edu/academicdirectory.asp>.

ARTICULATED CLASSES

MCHS and MCC have articulated classes. The requirements for these articulated classes should further be discussed with your counselor. If you are interested in these courses and wish to earn college credit, please see your counselor for more information.

<u>MCHS</u>	<u>MCC Course</u>
Accounting I and II	Basic Accounting Procedures (ACC 110) - 3 Credits
Child Development/Preschool Lab	Preschool Curriculum Planning (ECE-201) - 3 Credits
Manufacturing I and II	Machine Shop Practices (MET 120) - 3 Credits
Automobile Service I and II	Principles of Automotive Tech (AMT100) – 4 Credits
Transitions to College Mathematics	Articulated credit with MCC

DUAL ENROLLMENT COURSES

The following courses are Dual Enrollment. This means that the student will receive both high school and MCC credit upon completion of the course. Some of the courses are offered at McHenry High School while the majority are taken at MCC while the student is still enrolled in high school. If the course is taken at MCC then MCC tuition rates, fees and books will be the responsibility of the student. Transportation will also be the responsibility of the student.

McHENRY COMMUNITY HIGH SCHOOL

Basic Nurse Assistant	Computer Literacy
Honors College Composition / English 151	Honors INCubatoredu
Honors College Composition / English 152	Metals
Fire Science, Emergency Medical Service, Criminal Justice	Manufacturing I
Fitness Instruction Training	Honors Dual Credit French IV / French 151 and 152
Culinary Management	Honors Dual Credit German IV / German 151 and 152

Note: For more specific details, see page Dual Enrollment, your counselor or appropriate teacher.

CAREER AND TECHNICAL EDUCATIONAL PROGRAMS WITH OTHER COMMUNITY COLLEGES

While MCC offers many programs designed to prepare individuals for career employment, it is not possible for the college to offer on its campus every type of program that might be desired by residents of the college district. Therefore, in order to offer to its district residents those programs not available at MCC, joint educational agreements have been made with the following area schools:

- College of Lake County
- Elgin Community College
- Gateway Technical Institute
- Kishwaukee College
- Rock Valley College
- William Rainey Harper College
- Triton College

A current MCC catalog will indicate the numerous courses listed in this joint agreement program.

APPRENTICESHIP PROGRAMS

Apprenticeship is an employer's training program that includes on-the-job training and related classroom work to prepare a person for a specific skilled trade. Apprenticeship is based upon a written agreement between the apprentice and the employer. In an apprenticeship, the worker learns a skilled craft or trade while working, usually for a period of one or more years of on-the-job training.

Requirements for apprenticeships vary somewhat from place to place and skill union to skill union. Some trades require a high school diploma or its equivalent, while others do not. An entrance test is usually required. Applicants must be able to work with head and hands, demonstrating both the academic and the physical abilities necessary for performing the work of the trade. In addition, general skill competencies in the areas of English usage, mathematics, reading, and study skills are assumed.

Apprenticeship programs for carpenters, machinists, tool and die makers and mold makers are offered by MCC in conjunction with community industries and training associations. Further information is available at MCC.

MCHEMRY COUNTY COOPERATIVE FOR EMPLOYMENT EDUCATION (CEE)

In order for all students in McHenry County to have equal opportunity to participate in the variety of occupational programs offered at the various high schools and/or training facilities in the county, the CEE has been formed. The CEE member schools are all high schools in McHenry County with linkages to community colleges. This program will assist local districts in offering new and improved and more diversified vocational/employment educational experience for students.

PARTNERSHIPS FOR COLLEGE AND CAREER SUCCESS (PCCS)

PCCS is an educational program that links high school courses with the first two years of college to prepare students for a technical career. The PCCS option emphasizes hands-on academic and technical courses that involve learning by doing. The PCCS career path offers the necessary technical, communication and problem-solving skills to prepare students for the future. A counselor will help plan this program of study if this option is chosen.

BLENDED AND DIGITAL LEARNING COURSES

As part of the Vision 156 Innovation Plan, MCHS has developed a series of blended learning courses to enhance instructional delivery options for our students and teachers. Blended learning can be defined as a combination of in class, face-to-face instruction and out of class digital activities where students have some control over the time, place, path, and pace of their learning. Many of the blended courses are offered as traditional as well. When teachers identify “blended” days, students must meet academic criteria to be out of class. If students do not meet the criteria, they are required to remain in class to gain extra assistance from their teacher. Blended courses that meet during periods 1 and 8 on blended days, offer students the ability to arrive late to school or leave early. Blended courses that meet during periods 2-7 on blended days, offer students the opportunity to complete other schoolwork in identified areas of the school such as the media center or common areas as well as seek extra assistance from teachers.

Benefits of the blended approach for the student and teacher:

- Increased student motivation for learning
- Student-centered learning
- Independent learning skills
- Time management and prioritization skills
- Flexible scheduling based on content/student needs
- Enhanced communication skills
- Differentiated learning and additional time for teachers with struggling students

MCHS Blended Courses for the 2020-2021 School Year:

Economics	Medical Residency
United States History	Social Science Internship (21-22 school year)
Concert Choir	Advanced Placement Literature and Composition
Jazz Band	Independent Studio Art
Jazz Ensemble	Honors Studio Art Portfolio / Honors Studio Photography
Seminar in Artistic Leadership and Management	Advanced Placement Studio Art Portfolio - AP Drawing, AP 2D Art & Design, AP 3D Art & Design, AP Photography

MCHS currently has one completely digital course option, **Digital Consumer Education** for seniors. Senior students who meet the academic criteria may apply to take this course digitally. The course will not occupy a period of their schedule and they may select an additional elective in its place. Students progress through the course in Schoology and correspond with the teacher outside of school hours. Students meet twice in person to take the midterm and final examinations.

PHILOSOPHY OF SUMMER SCHOOL

MCHS seeks to offer a vibrant offering of courses during the summer for students to serve two basic ends, remediation and enrichment. In today's world, college and career readiness is paramount and summer school attendance can be a major component for a high percentage of MCHS students to meet these ends. Annually, several hundred students enroll to complete required courses to make room in their schedules for more rigorous courses or electives they are interested in. Students who need to recover credit or remediate skill deficiencies are also prime candidates for summer school. It is the expectation of our district that all students who fail math and English should be enrolled in summer school to recover the credit, remediate their missing skills, and be able to move on during the following school year. A primary focus of this skill remediation will be Algebra 1, geometry, and all English courses.

MCHS Summer School "Get Ahead Program"

Students are encouraged to consider "getting ahead" of grade level requirements by taking certain courses to free up space in their schedules to explore other electives and programs. Each summer the following courses are available for the following grade levels.

Health (entering Grade 9 or 10) *Students who take Health in the summer can replace Health during their 10 th grade year with another elective instead of PE. Issues of the 21st Century (entering Grade 9) Spanish I	Revolutions Throughout History (entering Grade 10) Health (entering Grade 9 or 10)	Government and Civics Consumer Education (entering Grade 11 or 12)	Government and Civics Consumer Education (entering 11 or 12)
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Other Course Offerings for Remediation and Elective Purposes:

Enrichment in HS Math	Algebra I	Geometry	English I, II, III, or IV
Learning in a Digital World	Spanish I	Culinary I and II	Stagecraft: An Introduction to Technical Theatre

Other courses vary by demand and design.

MCHS COURSES OFFERED GRADES 9-12

Below is a listing of all courses offered, by subject area, at McHenry High School District 156. More detailed course descriptions are outlined on the following pages.

0	1 year or 1 semester, No Credits
+	½ or 1 Credit
++	1 Year 2 Credits, or 1 Semester 1 Credit
*	Denotes a Distinguished Warrior Capstone Course

ACADEMIC SUPPORTS COURSES & PROGRAMS					
LITERACY CURRICULUM	9	10	11	12	Cr.
Literacy I (Elective credit only)	X	X	X	X	1
Literacy II (Elective credit only)	X	X	X	X	1
COMPUTER ASSISTED LEARNING ACADEMY	9	10	11	12	Cr.
CALA			X	X	
DIVISION OF MATH					
MATHEMATICS CURRICULUM	9	10	11	12	Cr.
Fundamentals of Algebra and Geometry	X				1
Algebra I	X	X			1
Algebra II		X	X	X	1
Honors Algebra I	X				1
Honors Algebra II		X	X		1
Honors Geometry	X	X			1
Geometry	X	X			1
Intermediate Algebra			X	X	1
Transition to College Mathematics * (Articulated credit with MCC)				X	1
College Algebra with Trigonometry *			X	X	1
Honors Pre-Calculus *			X	X	1
Introduction to Statistics and Analytics *				X	1
Advanced Placement Calculus AB *				X	1
Advanced Placement Calculus BC *				X	1
Advanced Placement Statistics *				X	1
DIVISION OF SCIENCE					
SCIENCE CURRICULUM	9	10	11	12	Cr.
Honors Biology	X				1
Biology	X	X	X		1
Earth Science			X	X	½
Physical Science			X	X	½
Astronomy			X	X	½
Honors Chemistry		X	X	X	1
Chemistry		X	X	X	1
Physics			X	X	1
Forensics			X	X	½
Advanced Placement Biology *			X	X	1
Advanced Placement Chemistry *			X	X	1
Advanced Placement Physics I *			X	X	1
Advanced Placement Physics II *			X	X	1
Advanced Placement Environmental Science *			X	X	1
Honors Principles of Biomedical Science (PLTW)	X	X	X	X	1
Honors Human Body Systems (PLTW)		X	X	X	1
Honors Medical Interventions (PLTW) *			X	X	1
Medical Residency (Blended) *				X	1
DIVISION OF ENGLISH AND SOCIAL SCIENCE					
ENGLISH CURRICULUM	9	10	11	12	Cr.

Honors English I	X				1
English I	X				1
Honors English II		X			1
English II		X			1
English III			X		1
English IV				X	1½
Creative Writing			X	X	1½
Contemporary Literature (offered every other year – odd)			X	X	1½
Introduction to Theatre	X	X	X	X	1½
Literature of the Theatre (offered every other year – even)			X	X	1½
Journalism	X	X	X	X	1½
Newspaper		X	X	X	1
Publications: Yearbook		X	X	X	1
College Composition				X	1½
Honors College Composition/English 151 * (Dual Credit at MCHS & MCC)				X	1½
Honors College Composition/English 152 * (Dual Credit at MCHS & MCC)				X	1½
Honors American Studies English			X		1
Honors Rhetoric and Research *		X	X	X	1½
Honors Cultural Studies English *				X	1
Rhetorical Analysis of Media			X	X	1½
Advanced Placement Language and Composition *			X		1
Advanced Placement Literature and Composition (Traditional OR Blended) *				X	1
SOCIAL SCIENCE CURRICULUM	9	10	11	12	Cr.
Issues of the 21 st Century	X				1½
Advanced Placement Human Geography *	X				1
Revolutions Throughout History		X			1½
Advanced Placement World History *		X			1
U.S. History (Traditional OR Blended)			X		1
Honors American Studies U.S. History			X		1
Advanced Placement U.S. History *			X		1
Government and Civics				X	1½
Advanced Placement U.S. Government and Politics/Advanced Placement Comparative Government and Politics *				X	1
Honors Cultural Studies *				X	1
Youth and the Law		X	X	X	1½
Economics (Blended)			X	X	1½
Philosophy of Leadership	X	X	X	X	1½
Sociology		X	X	X	1½
Introduction to Psychology		X	X	X	1½
Advanced Placement Psychology *		X	X	X	1½
Social Science Internship (Blended) **				X	1½
** NOT AVAILABLE UNTIL 2021-2022 SCHOOL YEAR					
DIVISION OF FINE ARTS & WORLD LANGUAGE					
ART CURRICULUM	9	10	11	12	Cr.
Art & Design I	X	X	X	X	1½
Art & Design II	X	X	X	X	1½
Drawing & Painting I	X	X	X	X	1½
Drawing & Painting II	X	X	X	X	1½
Ceramics & Sculpture I	X	X	X	X	1½
Ceramics & Sculpture II	X	X	X	X	1½
Photography I	X	X	X	X	1½
Photography II	X	X	X	X	1½
Advanced Placement Studio Art Portfolio - AP Drawing, AP 2D Art & Design, AP 3D Art & Design, AP Photography (Blended) *			X	X	1
Honors Studio Art Portfolio / Honors Studio Photography (Blended) *		X	X	X	1

Independent Studio Art (Blended)			X	X	1
Seminar in Artistic Leadership & Management (Blended)		X	X	X	½
MUSIC CURRICULUM	9	10	11	12	Cr.
Jazz Band (Zero Hour) (Blended)	X	X	X	X	1
Jazz Ensemble (Zero Hour) (Honors option) (Blended)	X	X	X	X	1
Freshman Band	X				1
Concert Band		X	X	X	1
Symphonic Band (Honors option)	X	X	X	X	1
Percussion (Honors option)	X	X	X	X	1
Cadet Choir ^	X	X	X	X	+
Concert Choir (Blended)	X	X	X	X	1
Surround Sound	X	X	X	X	1
Music Technology and Production		X	X	X	½
Introduction to Music Theory		X	X	X	½
Advanced Placement Music Theory *		X	X	X	1
Guitar I	X	X	X	X	½
Guitar II Ensemble	X	X	X	X	½
^ Freshman and sophomore students have option to take ½ or 1 credit					
WORLD LANGUAGE CURRICULUM	9	10	11	12	Cr.
French I	X	X	X	X	1
French II		X	X	X	1
Honors French III			X	X	1
Honors Dual Credit French IV/French 151 and 152 * (Dual Credit at MCHS & MCC)				X	1
German I	X	X	X	X	1
German II		X	X	X	1
Honors German III			X	X	1
Honors Dual Credit German IV/German 151 and 152 * (Dual Credit at MCHS & MCC)				X	1
Spanish I	X	X	X	X	1
Spanish II		X	X	X	1
Honors Spanish III			X	X	1
Honors Spanish IV *				X	1
Advanced Placement Spanish Language and Culture *			X	X	1
Spanish for Heritage Learners I	X	X	X	X	1
Spanish for Heritage Learners II		X	X	X	1
Honors Spanish for Heritage Learners III		X	X	X	1
ENGLISH LEARNER (EL) CURRICULUM	9	10	11	12	Cr.
English Learner Level I	X	X	X	X	1
English Learner Level II	X	X	X	X	1
English Learner Level III	X	X	X	X	1
English Learner Level Transitions	X	X	X	X	1
Fundamentals of Algebra and Geometry	X				1
Algebra I	X	X	X	X	1
Algebra II	X	X			1
Geometry	X	X	X	X	1
U.S. History	X	X	X	X	1
Issues of the 21 st Century / Revolutions Throughout History	X	X	X	X	½
Earth Science / Physical Science	X	X	X	X	½
Biology	X	X	X	X	1
Consumer Education (offered every other summer – even)			X	X	½
Government and Civics offered every other summer – even)			X	X	½
Health	X	X	X	X	1
Physical Education	X	X	X	X	½
EL Resource L1	X	X	X	X	1

DIVISION OF CAREER AND TECHNICAL EDUCATION (CTE)					
BUSINESS EDUCATION CURRICULUM	9	10	11	12	Cr.
Introduction to Business	X	X	X	X	1/2
Accounting I		X	X	X	1
Marketing and Sports Entertainment		X	X	X	1/2
Honors Accounting II *			X	X	1
Business Management		X	X	X	1/2
Honors INCubatoredu * ** (Dual Credit at MCHS & MCC)			X	X	1
Computer Literacy (Dual Credit at MCHS & MCC)	X	X	X	X	1/2
Consumer Education				X	1/2
Digital Consumer Education				X	1/2
Practicum in Education or Technical Careers *				X	++
** One year of Business electives required.					
FAMILY AND CONSUMER SCIENCES (FACS) CURRICULUM	9	10	11	12	Cr.
Culinary I	X	X	X		1/2
Culinary II		X	X	X	1/2
Baking and Pastry		X	X	X	1/2
Warrior Chef * **			X	X	1
Child Development	X	X	X	X	1/2
Preschool Lab *		X	X	X	1
Seminar in Child Care				X	+
Independent Living			X	X	1
Practicum in Education or Technical Careers				X	++
** Must take Culinary II AND Baking and Pastry before taking Warrior Chef					
INDUSTRIAL TECHNOLOGY CURRICULUM	9	10	11	12	Cr.
Power Mechanics	X	X	X	X	1/2
Automobile Service I		X	X	X	1
Automobile Service II *			X	X	1
Seminar in Automobile Service				X	+
Graphics I	X	X	X	X	1/2
Graphics II		X	X	X	1
Graphics III *			X	X	1
Seminar in Graphic Arts				X	+
Metals (Dual Credit at MCHS & MCC)	X	X	X	X	1/2
Manufacturing I (Dual Credit at MCHS & MCC)		X	X	X	1
Manufacturing II *			X	X	1
Seminar in Manufacturing				X	+
Woods I	X	X	X	X	1/2
Woods II *		X	X	X	1
DIY (Do It Yourself)	X	X	X	X	1/2
Construction Education *		X	X	X	1
Practicum in Education or Technical Careers				X	++
COMMUNITY SERVICE CURRICULUM	9	10	11	12	Cr.
Warrior Opportunities for In-school Service (non-credit)		X	X	X	0
Teacher Assistant in Education and Technical Careers		X	X	X	+
Practicum in Education or Technical Careers *				X	++
DUAL CREDIT COURSES	9	10	11	12	Cr.
Basic Nurse Assistant *				X	1
Honors College Composition/English 151 *				X	1/2
Honors College Composition/English 152 *				X	1/2
Fire Science, Emergency Medical Service, Criminal Justice *				X	1
Fitness Instruction Training *			X	X	2
Culinary *			X	X	2
Computer Literacy	X	X	X	X	1/2
Honors INCubatoredu *			X	X	1/2
Metals	X	X	X	X	1/2

Manufacturing I		X	X	X	1
Honors Dual Credit French IV/French 151 and 152 *				X	1
Honors Dual Credit German IV/German 151 and 152 *				X	1
PROJECT LEAD THE WAY (PLTW) CURRICULUM	9	10	11	12	Cr.
Honors Principles of Biomedical Science (PLTW)	X	X	X	X	1
Honors Human Body Systems (PLTW)		X	X	X	1
Honors Medical Interventions (PLTW)			X	X	1
Honors Introduction to Computer Science (PLTW)	X	X	X	X	1½
Honors Computer Science Principles (PLTW)		X	X	X	1
Honors Computer Science A (PLTW) *		X	X	X	1
Honors Introduction to Engineering Design (PLTW)	X	X	X	X	1
Honors Principles of Engineering (PLTW)		X	X	X	1
Honors Engineering Design and Development (PLTW) *			X	X	1
DIVISION OF PHYSICAL EDUCATION, HEALTH & DRIVERS EDUCATION					
PHYSICAL EDUCATION CURRICULUM	9	10	11	12	Cr.
Freshman PE	X				½
Physical Education		X	X	X	½
Physical Education OR Strength Conditioning (Zero Hour)		X	X	X	½
Adaptive Physical Education	X	X	X	X	½
Fitness for Life	X	X	X	X	½
Strength and Conditioning		X	X	X	½
Advanced Strength and Conditioning			X	X	½
Dance	X	X	X	X	½
Advanced Dance		X	X	X	½
Drivers Education		X	X	X	0
Health Education		X			½
Lifeguard Training		X	X	X	½
Aquatic Fitness Course	X	X	X	X	½
Junior Leadership Training *			X		1
Senior Leadership Training *				X	1
DEPARTMENT OF SPECIAL EDUCATION					
SPECIAL EDUCATION CURRICULUM	9	10	11	12	Cr.
English I-IV	X	X	X	X	1
Reading (Elective credit only)	X	X	X	X	1
General Math with Geometry Concepts	X				1
Algebra I-A	X	X	X		1
Algebra I-B		X	X	X	1
Pre-Algebra	X				1
Algebra I	X	X	X	X	1
Geometry			X	X	1
Biology	X				1
Earth Science		X			1
World History	X	X			1
Physical Science		X	X	X	1
Health	X				½
Careers			X	X	½
U.S. History			X		1
Consumer Education				X	½
Government and Civics				X	½
Self Awareness	X	X	X	X	1
Teacher Assistant in Education and Technical Careers		X	X	X	+
Strategies for Learning	X	X	X	X	½
Pathways for Success	X	X	X	X	½
NON-DEPARTMENTAL COURSE OFFERINGS					
THEATRE PATHWAY	9	10	11	12	Cr.

Year
Course

Semester
Course

Introduction to Theatre	X	X	X	X	1/2
Stagecraft: An Introduction to Technical Theatre (Summer only)		X	X	X	1/2
Literature of the Theatre **			X	X	1/2
** NOT AVAILABLE UNTIL 2021-2022 SCHOOL YEAR					
OTHER ELECTIVES	9	10	11	12	Cr.
Learning in a Digital World	X	X	X	X	1/2
Advanced Placement Seminar *		X	X		1/2

INDEX TO COURSE DESCRIPTIONS

SCHOOL YEAR AND SEMESTER: Each semester consists of an eighteen-week grading period. During these grading periods, grades will be posted and updates will occur via the district online grade book (Parent Portal). Report cards will be mailed at the conclusion of each semester.

UNIT OF CREDIT: The measure of school credit used at MCHS. A student will receive one unit of credit for successfully completing one full year of work in an academic course. For a semester, a student will receive one-half unit of credit. For drivers education, a student does not receive credits as in other subjects.

PREREQUISITE: A requirement that must be met before a student may be permitted to enroll in a course. For example: *Spanish I is a prerequisite for Spanish II.*

SEQUENCES OF COURSES: Possible courses that a student might take to reach a specific career goal, or courses in a specific MCHS curricular area that a student, depending on his or her ability, might take throughout high school.

With regard to the course sequence charts found on the following pages, the symbols used for year-long and semester courses are:

Year
Course

Semester
Course

ACADEMIC SUPPORT COURSES AND PROGRAMS

LITERACY I

1 Year 1 Credit

Prerequisite: Based on standardized scores

This one-year course is designed for students functioning significantly below grade level in reading skills as measured on standardized tests. Instruction will focus on developing skills to improve reading comprehension, vocabulary, fluency, and writing in response to reading. This course will fulfill a graduation elective credit, but does not count toward the English requirement.

LITERACY II

1 Year 1 Credit

Prerequisite: Based on standardized reading scores

This course is designed for students functioning below grade level in reading skills as measured on standardized tests. Literacy instruction will focus on comprehension, academic language, and writing. Course is considered an elective course, taken in addition to English.

WARRIOR RESOURCE CENTER (WRC)

The Warrior Resource Center (WRC) is a supportive learning environment with academic and behavioral interventions for students who need additional assistance with self advocacy, study skills, organization, homework completion and/or social/emotional support. Placement into WRC is based on the recommendation of the Student Services Department or the Student Assistance Team. The WRC is also a drop-in resource center for all students who need additional academic support.

COMPUTER AIDED LEARNING ACADEMY (CALA)

The Computer Aided Learning Academy (CALA) is a special program through McHenry District 156 that allows students to complete graduation requirements through individual, computer-guided learning. Students eligible for the program have demonstrated that the traditional school setting was not a conducive environment for them to learn and be successful. CALA offers an individualized academic plan for graduation. Placement is based on the recommendation of the Student Assistance Team.

WARRIOR ACADEMY

Warrior Academy is a special program through McHenry District 156 that allows students to complete graduation requirements through individual, computer-guided learning. Students eligible for the program have demonstrated that the traditional school setting was not a conducive environment for them to learn and be successful. Warrior Academy offers an individualized academic plan for graduation. Placement is based on the recommendation of the Student Assistance Team.

NON-DEPARTMENTAL COURSE OFFERINGS

THEATRE PATHWAY:

Introduction to
Theatre
9, 10, 11, 12

Stagecraft: An
Introduction to
Technical
Theatre
10, 11, 12

Literature of the
Theatre *
11, 12

OTHER ELECTIVES:

Learning in a
Digital World
9, 10, 11, 12

AP Seminar
10, 11, 12

* Not available until 2021-2022 school year.

AP SEMINAR

1 Year 1 Credit

Prerequisite: Sophomore through Senior standing

In this advanced placement course, students will investigate topics from multiple perspectives. They will collect and analyze information to develop and communicate arguments via classroom presentations. Students will often collaborate within small groups throughout this course.

INTRODUCTION TO THEATRE

1 Semester 1/2 Credit

Prerequisite: Freshman through Senior standing. This course does not qualify as a core course for the purposes of NCAA eligibility.

The course will include theatre history, introduction to the stage and drama production, choosing and casting a play, technical theatre, and acting techniques. This “hands on” course is based on experimental learning. Evaluation will be based on participation, tests, a minimum of four themes, and a research project.

STAGECRAFT: AN INTRODUCTION TO TECHNICAL THEATRE
SUMMER SCHOOL ONLY

1 Semester 1/2 Credit

Prerequisite: Sophomore standing. Introduction to Theatre course work preferred, but not required. **This course does not qualify as a core course for the purposes of NCAA eligibility.**

This course will introduce the student to the fundamental elements and principles of technical theatre through hands-on learning that makes use of the production facilities, operations, methods, and technologies used at McHenry Community High School, and to relate these practices to those used in professional, amateur, and educational theaters. The course will include a brief history of theatrical stages and technology and an overview of all technical aspects of design and production for the stage. Students will learn the functions of the creative team, production staff, technicians and stage crew. Basic elements of scenic construction, design concepts, theatrical lighting, sound technologies, costume and makeup design and stage management will be introduced and assessed through practical application.

LITERATURE OF THE THEATRE (Available 2021-2022 school year)

1 Semester 1/2 Credit

Prerequisite: Junior or Senior standing. **This course does not qualify as a core course for the purposes of NCAA eligibility.**

This course is designed to make the students more aware as consumers of drama. It will also broaden the student's understanding of characterization, plot, conflict, setting, and theme – necessary components to any literature course. The plays studied range from Greek and Shakespearean drama to Theatre of the Absurd and the musical. Students will read and analyze plays and the course will culminate with a written one-act play at the end of the semester.

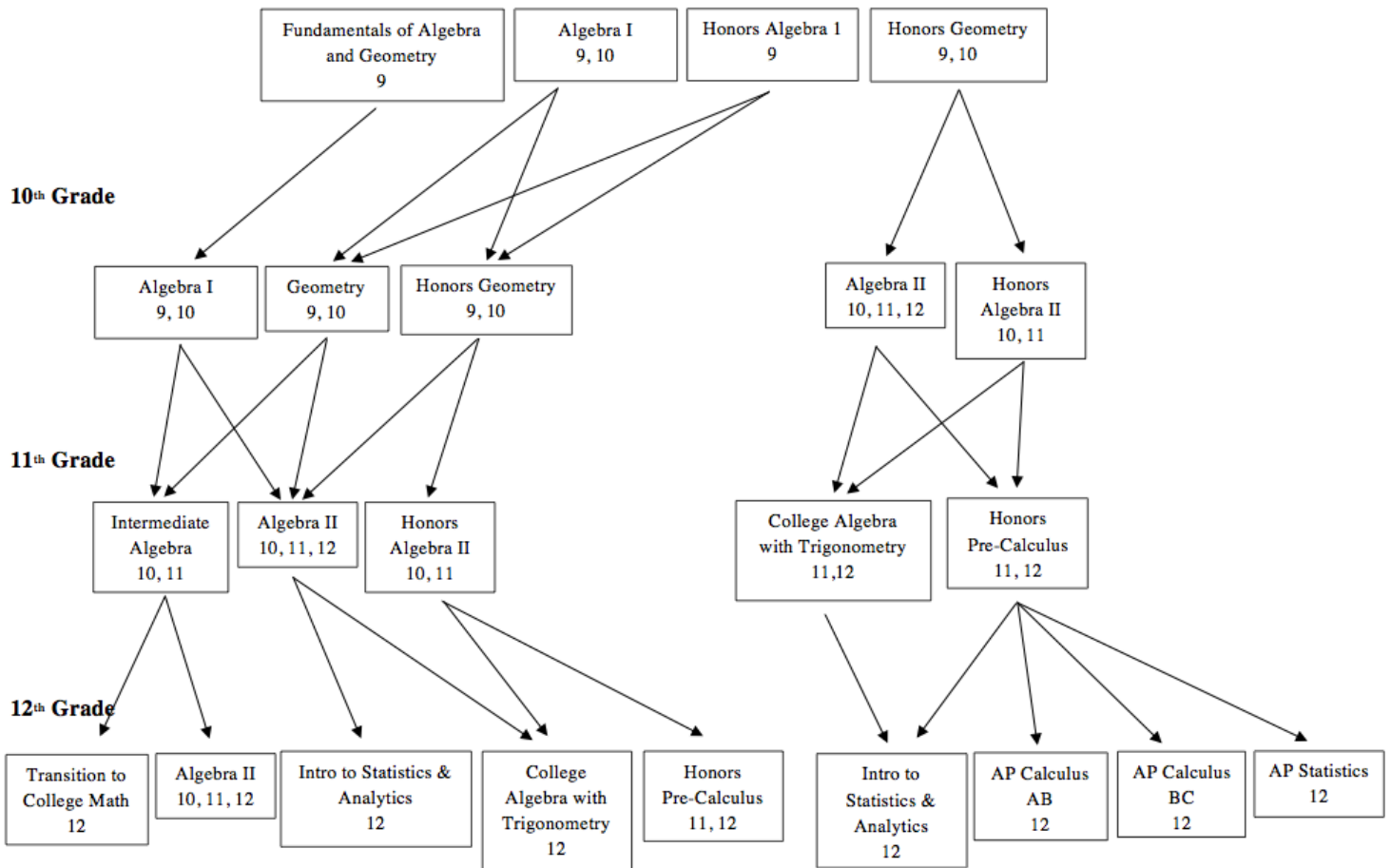
LEARNING IN A DIGITAL WORLD

1 Semester 1/2 Credit

Prerequisite: Freshman through Senior standing. **This course does not qualify as a core course for the purposes of NCAA eligibility.**

What does your digital footprint look like? This class provides students opportunities to create a positive digital footprint while also learning how to navigate through a digital world. Throughout the class, students will learn how to use technology in academic, personal, and professional settings. Units of study will include cyber citizenship and digital footprints, news literacy and evaluating sources, civic engagement and empathy in a digital world, media creation and using strengths to call others to action.

9th Grade



1 Semester 1/4 Credit

Enrichment in High School Math is a summer school course designed for all students who may need additional exposure to math concepts. Students will engage with the computer application ALEKS several days a week to advance and complete their course “pie.” They will also have the opportunity to work with math teachers individually and in small groups. As the students complete the “pie” for their course, they can advance to the next course in the sequence. The ALEKS program license will be available for the individual students throughout the following school year as a supportive tool and foundation of learning in subsequent coursework.

31

FUNDAMENTALS OF ALGEBRA AND GEOMETRY

1 Year 1 Credit

Prerequisite: Consent of High School Division Chair per uniform placement process. This course does not qualify as a core course for the purposes of NCAA eligibility.

This course is for freshman students who need foundational algebraic skills. The course focuses on integer and fractional operations, simplifying expressions, algebraic expressions and functions, the coordinate plane, linear equations and functions, intro to linear systems, and inequalities. The course will also apply foundational geometric concepts, transformations, properties of shapes and solids. Students will utilize Khan Academy structure for Pre-Algebra, Algebra Basics, Basic Geometry, and High School Geometry. This course will prepare students for Algebra I and also meet the high school graduation requirement for Geometry.

Graphing calculator required: TI-83 or TI-84

ALGEBRA I

1 Year 1 Credit

Prerequisite: Consent of High School Division Chair per uniform placement process

In Algebra I, students will study the structure of mathematics and the methods for working with signed numbers, equations, inequalities, polynomials, factoring, graphs, radicals, and applications of algebra. Algebra is required for graduation in Illinois and MCHS believes that it is a foundation for future success in mathematics courses for all students. Daily written assignments to be completed outside of class will be required of all students.

Graphing calculator required: TI-83 or TI-84

ALGEBRA II

1 Year 1 Credit

Prerequisite: Successful completion of Honors Geometry or Geometry, a grade of B or higher in Intermediate Algebra. Grade of C or higher in Algebra I is highly recommended.

All topics covered initially in Algebra I are reviewed and studied in depth. Some of advanced study and application include linear equations and inequalities; linear systems and matrices; quadratic functions and factoring; polynomials; rational exponents and radical functions; logarithms; quadratic relations and conic sections; data analysis and statistics; sequences and series; trig ratios, functions, graphs, identities, and equations. The student will, in general, need to spend at least as much time outside of class as scheduled class time to meet the requirements of the course.

Graphing calculator required: TI-83 or TI-84

HONORS ALGEBRA I

1 Year 1 Credit

Prerequisite: Consent of High School Division Chair per uniform placement process

AP Best Practices are the basis for each unit of the Honors Algebra I course. Placement based on PSAT 8/9 score with consideration for performance in 8th grade math. Algebra is required for graduation in Illinois and MCHS believes that it is a foundation for future success in mathematics courses for all students. Honors Algebra I meets this criteria and is a course that embodies all of the CCSSM included in our current Algebra course while also including STEM extensions designated by + in the CCSS standards Appendix A. The units of study are as follows: Patterns, Equalities and Inequalities, Functions (models and patterns), Linear Functions, Scatter Plots and Trend Lines-lines of best fit (linear and nonlinear plots and models), Systems of Equations (2,3,4 or more unknowns), Exponential Equations (integer/rational), Quadratic Functions (translated and oblique), Trigonometry (sine, cosine, tangent, inverse, Law of Sines and Cosines), STEM Extensions.

Graphing calculator required: TI-83 or TI-84

HONORS ALGEBRA II**1 Year 1 Credit**

Prerequisite: Grade of B or higher in Honors Geometry or a grade of A in Geometry. Grade of B or higher in Algebra I is highly recommended.

This course is intended for sophomore students with a strong interest and aptitude in mathematics. Students in this level are encouraged to take four years of math, including Calculus. All topics in Algebra I are reviewed and studied in depth. Additional areas of study include the complex number system, quadratic functions, systems of equations, logarithms, and conic sections. Although many of the same topics as Algebra II will be covered, this course is intended to be more rigorous and will examine topics in greater depth. Students are expected to have excellent homework habits since time on coursework outside of class will equal or exceed the time spent in class.

Graphing calculator required: TI-83 or TI-84

HONORS GEOMETRY**1 Year 1 Credit**

Prerequisite: Consent of High School Division Chair per uniform placement process. Grade of A in MCHS Algebra I or grade of B or higher in Honors Algebra I

This course is a geometry course for freshmen students with a strong interest and aptitude in mathematics. Students in this level are encouraged to take four years of math, including Calculus. Although many of the same topics as Geometry will be covered, this course is intended to be more rigorous and will examine the topics in greater depth. Daily written assignments will be required of all students. Because of the nature of the course, students should expect to spend a considerable amount of time outside of class on assignments. Students may be requested to purchase some geometry supplies.

Graphing calculator required: TI-83 or TI-84

GEOMETRY**1 Year 1 Credit**

Prerequisite: Successful completion of Algebra I or Honors Algebra I

Geometry develops the techniques of logical thinking, an awareness of the geometric aspects of our environments, and insight into many of the types of problems found on college entrance exams. This course is designed for, but not limited to, students planning to attend college or a career requiring knowledge of geometry. Students will study the properties of lines and segments, angles, triangles, circles, and polygons as well as review the concepts developed in Algebra I. Daily written assignments will be required of all students. Because of the nature of the course, students should expect to spend a considerable amount of time outside of class on assignments. Students may be requested to purchase some geometry supplies.

Graphing calculator required: TI-83 or TI-84

INTERMEDIATE ALGEBRA**1 Year 1 Credit**

Prerequisite: Grade of D in Algebra I and Junior standing. This course does not qualify as a core course for the purposes of NCAA eligibility.

This course is designed to give students a solid foundation in algebra and is to be a bridge between Algebra 1 and Algebra 2. Focus will be on solving and graphing linear equations, systems of equations, quadratic equations, absolute value, and inequalities with an introduction to radicals, exponents and probability. This course will count as a math credit, but will not be NCAA eligible. Daily written assignments to be completed outside of class will be required of all students.

Graphing calculator required: TI-83 or TI-84

TRANSITION TO COLLEGE MATHEMATICS (ARTICULATED CREDIT WITH MCC)

1 Year 1 Credit

Prerequisite: Senior standing, must have earned credit in Algebra I, Geometry AND Intermediate Algebra OR Algebra II. This course does not qualify as a core course for the purposes of NCAA eligibility.

This course will fulfill the requirements for the articulation agreement with MCC. Students who take this course and pass with a “C” or better will be allowed to enroll in any 100 level course available to them if they meet the requirements established by MCC. The first portion of this course will cover operations and applications dealing with integers, linear equations, ratios, proportions, exponents, polynomials, factoring, graphing linear equations, graphing linear inequalities, and solving linear systems. The remainder of the course will cover problem solving, factoring, rational expressions, graphing, rational exponents, radicals, logarithms, and quadratic equations. At least 25% of the course will consist of real world application projects and assessments. All students will take the same semester exams as given to MCC students in the equivalent courses.

Graphing calculator required: TI-83 or TI-84

ALL STUDENTS WILL TAKE SEMESTER FINALS FOR THIS COURSE. NO ONE IS EXEMPT FROM FINALS IN THIS COURSE. This exam must count at least 15% of their final semester grade. This exam is provided by MCC to be administered by District 156.

COLLEGE ALGEBRA WITH TRIGONOMETRY

1 Year 1 Credit

Prerequisite: Senior standing with a grade of C or higher in Algebra I, Geometry and Algebra II or Junior standing with successful completion of Honors Geometry and Honors Algebra II

This course covers equations and inequalities, exponential functions, logarithmic functions, trigonometric functions, solutions of triangles, trigonometric identities, graphs, and various topics in geometry.

Graphing calculator required: TI-83 or TI-84

INTRODUCTION TO STATISTICS AND ANALYTICS

1 Year 1 Credit

Prerequisite: Senior standing and successful completion of Algebra II with a grade of C or higher

This course provides an introduction to statistics, analytics and probability that will prepare students for a college-level statistics course and life in a world filled with data. Major topics include: analyzing distributions of univariate data; analyzing relationships in bivariate data; collecting data using sampling and experimentation; probability and random variables; sampling distributions; and confidence intervals and significance tests for means and proportions from one or two samples; along with chi-square tests and inference for the slope of a least-squares regression line. Use of technology, including online applets and the graphing calculator will be prominent in the course.

Graphing calculator required: TI-83 or TI-84

HONORS PRE-CALCULUS

1 Year 1 Credit

Prerequisite: Grade of C or higher in Honors Algebra II

This course is designed for students who wish to complete their preparation for Calculus. Students will review the topics covered in Algebra II and review these topics in greater depth. Additional topics from Pre-Calculus and basic Calculus will be covered, which include sequences and series, limits, rational functions. Upon completion of this course, a student should be prepared to enter a

Calculus course. The student will need to spend at least as much time outside of class as scheduled class time to meet the requirements of the course.

Graphing calculator required: TI-83 or TI-84

ADVANCED PLACEMENT CALCULUS AB

1 Year 1 Credit

Prerequisite: Grade of B or higher in Honors Pre-Calculus. Teacher recommendation required

This is a college-level course in introductory Calculus. This course will cover the standards for the Advanced Placement Calculus AB course. Units of study include: limits and continuity, derivatives, derivative applications, definite integrals, differential equations, applications of definite integrals. This course prepares students to take the Advanced Placement (AP) Calculus AB exam.

Graphing calculator required: TI-83 or TI-84

ADVANCED PLACEMENT CALCULUS BC

1 Year 1 Credit

Prerequisite: Grade of A or higher in Honors Pre-Calculus. Teacher recommendation required

This AP Calculus BC course covers topics typically found in a first-year college Calculus I and Calculus II course. Major themes include differential and integral calculus. This course prepares students to take the Advanced Placement (AP) Calculus BC exam.

Graphing calculator required: TI-83 or TI-84

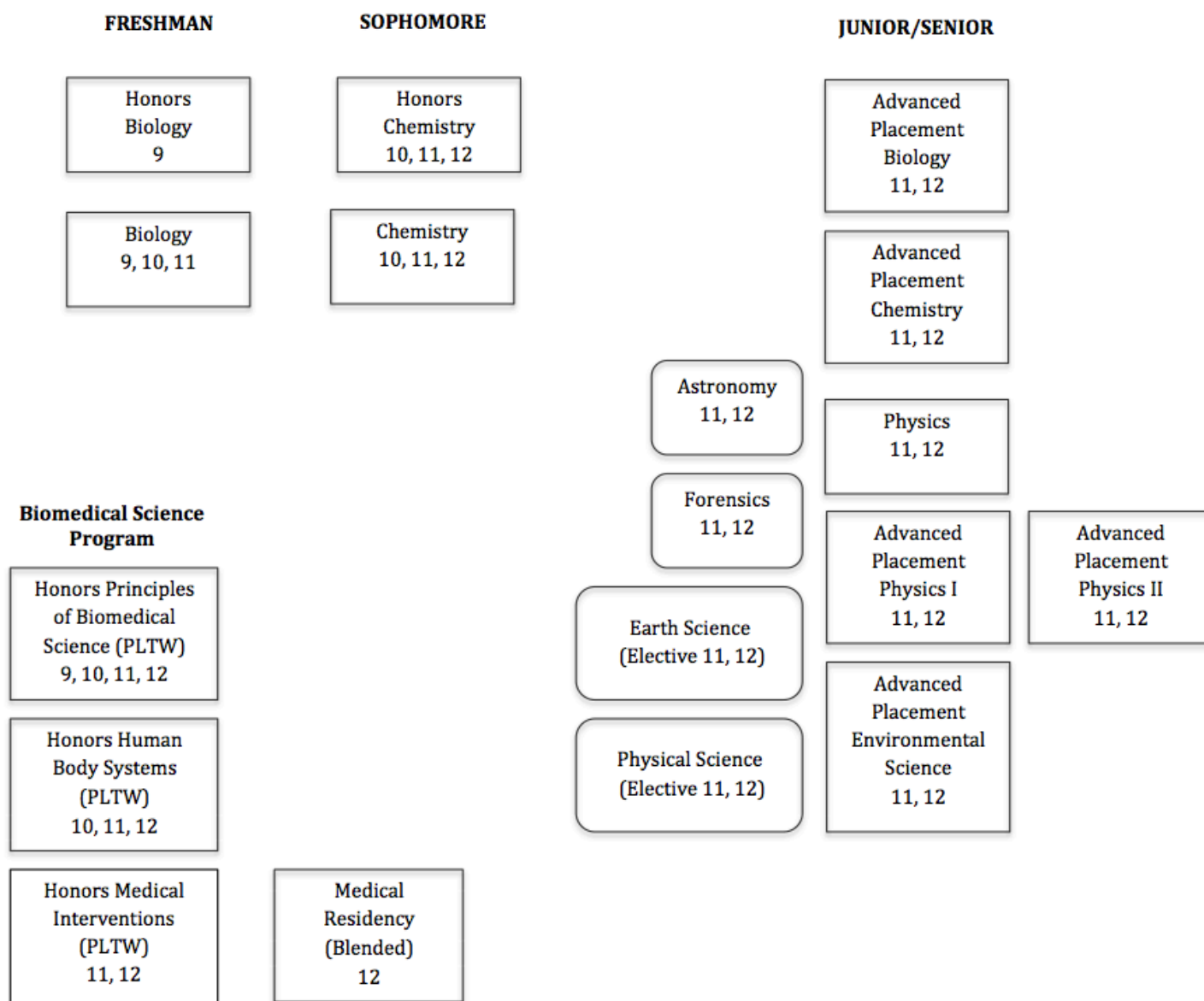
ADVANCED PLACEMENT STATISTICS

1 Year 1 Credit

Prerequisite: Senior standing and completion of three years of math courses including Honors Pre-Calculus or College Algebra. Grade of A in College Algebra or Algebra II are required. Grade of B or higher in Honors Pre-Calculus is highly recommended. Teacher recommendation required.

The purpose of the Advanced Placement 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, and 4.) Statistical Inference – estimating population parameters and testing hypotheses. Students who successfully complete the course and exam may receive credit, advanced placement or both for a one-semester introductory college statistics course. Students enrolled in Advanced Placement Statistics should expect 30 to 45 minutes of homework each night. Advanced Placement Statistics is a college-level course that moves at an accelerated pace.

DIVISION OF SCIENCE



All Science courses include safety education in the curriculum.

HONORS BIOLOGY

1 Year 1 Credit

Prerequisite: Consent of High School Division Chair per uniform placement process

This course is a biology course for students with a strong interest and aptitude in science. Students in this level are encouraged to take four years of science in preparation for college. The topics covered during the year include molecules to organisms, ecosystems, heredity and evolution. A strong emphasis is placed on the molecular approach to biology. Students are required to work on a daily basis, to participate and analyze laboratory experiments, and to keep a notebook of lecture and reading assignments.

BIOLOGY**1 Year 1 Credit****Prerequisite: Consent of High School Division Chair per uniform placement process**

This course is a general biology class designed for the student who probably will pursue additional education after high school. This class will meet college entrance requirements. The topics covered during the year include molecules to organisms, ecosystems, heredity and evolution. Homework and laboratory assignments will be used to help students understand the biology of life.

EARTH SCIENCE**1 Semester 1/2 Credit****Prerequisite: Junior or Senior standing. Successful completion of one year of Biology.**

This program is designed for students who have an interest in the world around them. Class work will consist of development in critical thinking, problem solving and experimental design. The units of study include mapping, measurement and density, space, earth history, earth system, weather and human impacts.

PHYSICAL SCIENCE**1 Semester 1/2 Credit****Prerequisite: Junior or Senior standing. Successful completion of one year of Biology and Algebra I.**

This program is designed for students who have an interest in the world around them. Class work will consist of development in critical thinking, problem solving and experimental design. The units of study include matter and its interactions, motion and stability, energy, waves, and their application.

HONORS CHEMISTRY**1 Year 1 Credit****Prerequisite: Grade of B or higher in Algebra I, Honors Geometry, Honors Algebra I and successful completion of Biology or Honors Biology**

This is an Honors sophomore level laboratory science course designed for the student with a strong aptitude in science and mathematics who is planning to attend a four-year college. In addition, each student will be responsible for keeping a laboratory journal as if he or she were working as a research scientist in either industry or at a university. Students will make observations, seek regularities, propose models, and develop theories. Students will investigate the nature and structure of atoms, how reactions occur, energy, and equilibrium situations. Some complicated mathematics is involved; therefore the student should be proficient in algebra. Emphasis will be placed on analysis of data, critical thinking, and problem solving.

CHEMISTRY**1 Year 1 Credit****Prerequisite: Sophomore, Junior, or Senior standing. Successful completion of one year of Biology**

This course is a laboratory-oriented approach to general chemistry. The activities of science are stressed. The student will make observations, seek regulations, propose models and develop theories. Students will investigate the nature and structure of atoms, how reactions occur, energy changes, and equilibrium situations. While complicated mathematics is not involved, the student should be proficient in arithmetic and elementary algebra. This course will be directed toward the student who has average and above ability and who may be planning to attend college.

PHYSICS

1 Year 1 Credit

Prerequisite: Grade of C or higher in Chemistry or Honors Chemistry and completion or concurrent enrollment in Algebra II

This course is designed for college bound students. Physics will provide the student with the opportunity to use and apply mathematics, and will prepare the student with a good foundation for taking an initial general physics course at the college level. The course will cover the following areas: problem solving, motion, forces, energy and momentum, electricity, and if time permits, light, sound. The course is paced according to the general need and ability of the class. A variety of experiments will be performed throughout the school year to enhance and demonstrate concepts and to develop proper laboratory techniques. Written assignments and laboratory reports will be required. Students can expect an average of at least one half hour of work outside of class each day. This course will challenge and enlighten those students who wish to prepare themselves for the challenge of the college science curriculum.

ASTRONOMY

1 Semester 1/2 Credit

Prerequisite: Successful completion of Biology, Chemistry and Algebra I

The course curriculum would entail the following (NGSS State Standards for Space Science): Methods and measurement, lifespan of the sun and the role of nuclear fusion in the sun's core to release energy that eventually reaches earth in the form of radiation, Big Bang theory based on astronomical evidence of light spectra, motion of distant galaxies, and composition of matter in the universe, star life cycles and the motion of orbiting objects in the solar system, as well as astronomical organization.

FORENSICS

1 Semester 1/2 Credit

Prerequisite: Successful completion of Biology, Chemistry, and Algebra I

Forensic Science is the study of physical evidence left at the scene of a crime. Students will be involved in the collections of physical evidence from the simulated crime scenes. Students will use standard scientific procedures and current techniques to analyze collected evidence. Local law enforcement experts will be invited to speak to students on various topics.

HONORS PRINCIPLES OF BIOMEDICAL SCIENCE (PLTW)

1 Year 1 Credit

Prerequisite: Freshman through Senior standing. Strong interest in medical fields and concurrent enrollment in required science courses (if applicable).

In the introductory course of the PLTW Biomedical Science program, students explore concepts of biology and medicine to determine factors that lead to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems.

HONORS HUMAN BODY SYSTEMS (PLTW)

1 Year 1 Credit

Prerequisite: Sophomore through Senior standing. Strong interest in medical fields and successful completion of Honors Principles of Biomedical Science (C or higher). Students are also expected to be concurrently enrolled in a second year science class.

In this second course of the biomedical sequence, students will examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis in the body.

Exploring science in action, students will build organs and tissues on a skeletal Maniken®, use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration, and take on the roles of biomedical professionals to solve real-world medical cases.

HONORS MEDICAL INTERVENTIONS (PLTW)**1 Year 1 Credit**

Prerequisite: Junior or Senior standing. Strong interest in medical fields and successful completion of both Honors Principles of Biomedical Science (C or higher) and Human Body Systems (C or higher). Students are also expected to be concurrently enrolled in a third year science class.

In this third course in the PLTW sequence, students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection, screen and evaluate the code in human DNA, evaluate cancer treatment options, and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics.

MEDICAL RESIDENCY (BLENDED)**1 Year 1 Credit**

Prerequisite: Senior standing with application process. Students who have a strong interest in the medical field and completion of Principles of Biomedical Science (PLTW) and Human Body Systems (PLTW) or instructor approval through application process.

Students enrolled in the McHenry High School Medical Experience will participate in multiple medical rotations at Centegra Hospital and MTFPD Paramedics. They will be exposed to real world settings and collaborate alongside medical professionals. Class time will focus on equipping students with scientific knowledge and skills needed. Example topics include studying devices such as x-ray or MRI machines as well as results interpretation, interpreting biofeedback such as EKG and EEG information, understanding common drug mechanisms and uses, as well as specific medical knowledge pertaining to the various specialties encountered during rotation. **Students will be required to provide their own transportation to and from NW Hospital McHenry or MTFPD locations as well as pay for their scrubs and TB test.**

ADVANCED PLACEMENT BIOLOGY**1 Year 1 Credit**

Prerequisite: Grade of B or higher in Biology and Chemistry

AP Biology is designed for those students with a strong interest in science. In-depth study of the scientific method, evolution, biochemical pathways, the cell, genetics, anabolic steroids, plant and animal system, and ecology are the main emphasis of the course.

ADVANCED PLACEMENT CHEMISTRY**1 Year 1 Credit**

Prerequisite: Grade of A in Honors Chemistry or Grade of A in Chemistry with District Division Chair approval, with concurrent enrollment in Algebra II or higher

AP Chemistry is an advanced class. This means that the student who successfully completes the course should be prepared to take the advanced placement chemistry examination to qualify for college credit for this class. The course includes basic topics in chemistry such as bonding, acid-base theory, electrochemistry, and thermochemistry. Any students who are planning on attending college could benefit from this class whether or not they plan on majoring in science. **Advanced Placement Chemistry is a first-hour extension class and begins at 6:50am at East and 7:00am at**

West. Students need to be able to supply their own transportation to ensure being in class on time.

ADVANCED PLACEMENT PHYSICS I

1 Year 1 Credit

Prerequisite: Successful completion of (A or B) in Biology and Chemistry or with Department Chair consent. The student should be concurrently enrolled in Alegbra II or Pre-Calculus.

This course is the equivalent of a first semester college freshman level course that is a laboratory science course designed to prepare students for future study in science and mathematics fields. The course involves terminology, laboratory experiments, demonstrations, and rigorous mathematical descriptions of matter and energy. The coursework is designed to assist the students in the following understanding the basic theories, principles and laws of physics; improving their ability to investigate physical phenomenon by experimentation, intuition and applying principles of logic including critical analysis; the appreciation, curiosity and awareness of the physical world.

ADVANCED PLACEMENT PHYSICS II

1 Year 1 Credit

Prerequisite: Grade of B or higher in AP Physics I with concurrent enrollment in Honors Pre-Calculus or higher

This course is the equivalent of a second semester college freshman level course that is a laboratory science course designed to prepare students for future study in science and mathematics fields. The course involves terminology, laboratory experiments, demonstrations, and rigorous mathematical descriptions of matter and energy. The course work is designed to assist the students in the following understanding the basic theories, principles and laws of physics; improving their ability to investigate physical phenomenon by experimentation, intuition and applying principles of logic including critical analysis; the appreciation, curiosity and awareness of the physical world. Students can expect an average of 45 minutes of work outside of the class each day.

ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE

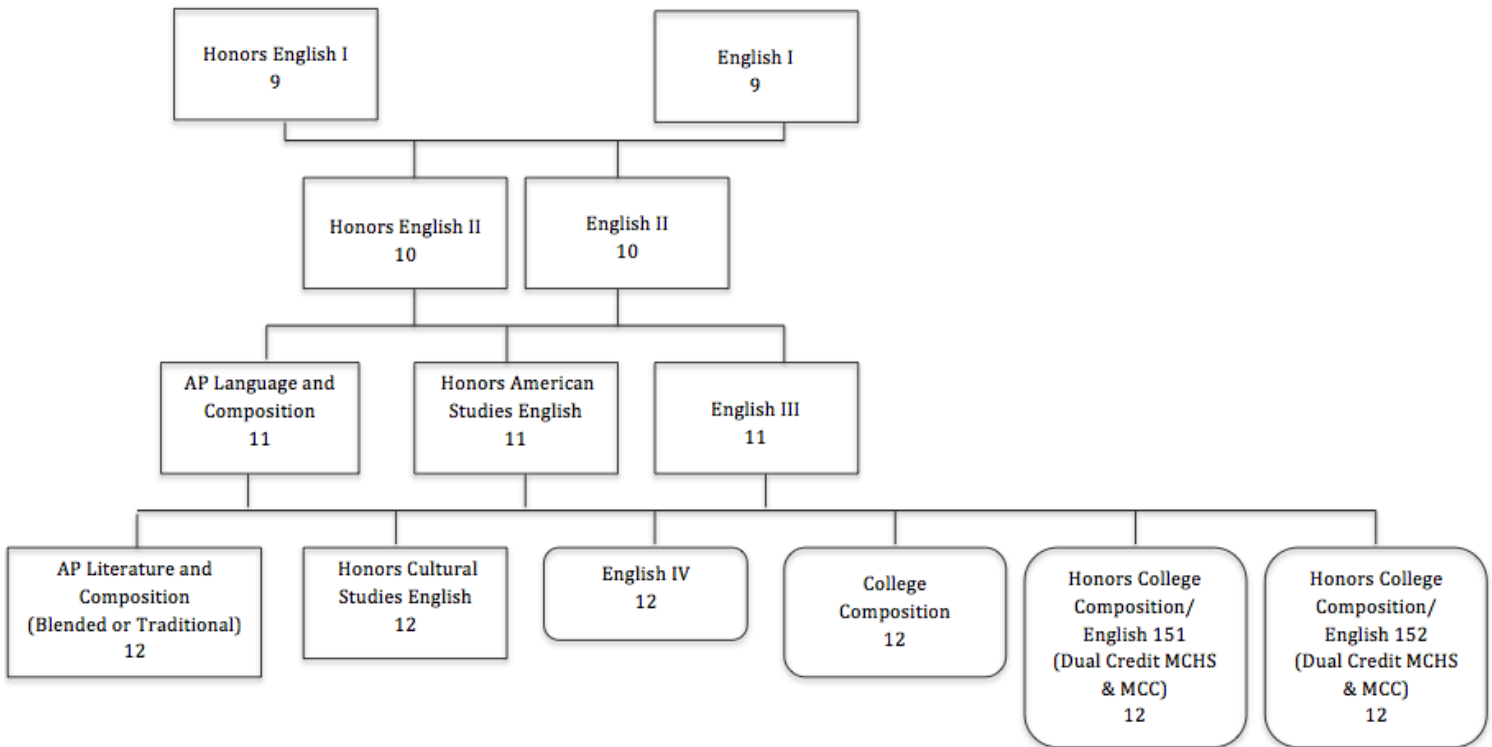
1 Year 1 Credit

Prerequisite: Successful completion of Biology, Chemistry, and Algebra 1

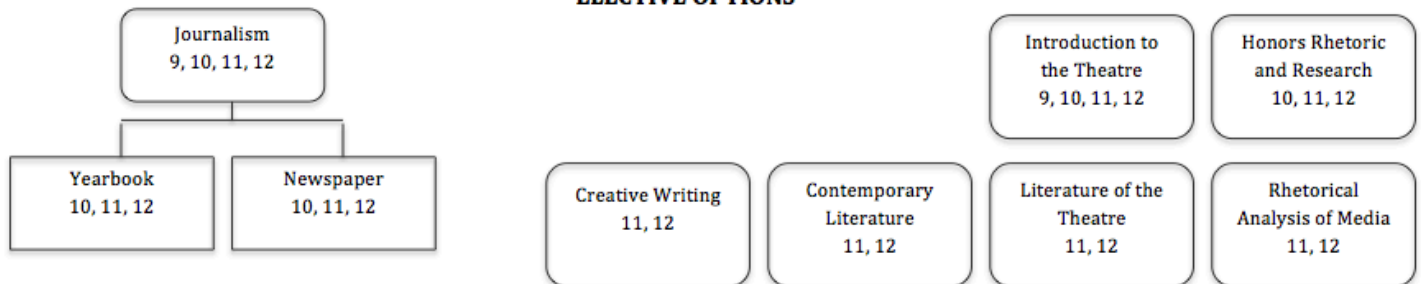
The AP Environmental Science course is the equivalent of a one-semester, introductory college course in environmental science, through which students engage with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography.

DIVISION OF ENGLISH & SOCIAL SCIENCE

ENGLISH



ELECTIVE OPTIONS



Students should check with the colleges or universities that they would like to attend to see if the course satisfies the admissions requirements of those colleges or universities.

HONORS ENGLISH I, ENGLISH I**1 Year 1 Credit****Prerequisite: Freshman standing**

Students enrolled in English I are introduced to the literary elements and taught how to analyze these elements in order to identify a theme and analyze characterization. Students will learn numerous reading strategies through class activities. Students will receive instruction on how to write a structured, evidence-based paragraph that supports a claim. Creativity is developed through a narrative writing unit. Speaking and listening opportunities are integrated throughout the course.

HONORS ENGLISH II, ENGLISH II**1 Year 1 Credit****Prerequisite: Sophomore standing**

Students enrolled in English II review the literary elements and analyze how an author develops a theme throughout a story. Students learn how making inferences and analyzing an author's tone can help one determine a theme. Students write thematic statements and provide textual evidence as support. Creativity is developed through a poetry unit. Speaking and listening opportunities are integrated throughout the course.

ENGLISH III**1 Year 1 Credit****Prerequisite: Junior standing**

Students enrolled in English III participate in speaking and listening activities that open each thematic unit. Students read classic American works and write on various themes present within American society past and present. Students learn how to develop an argument to deliver in a debate.

ENGLISH IV**1 Semester 1/2 Credit****Prerequisite: Senior standing**

Students enrolled in English IV read a variety of literature from different time periods and use textual evidence to defend claims they create based on their reading. Students examine multiple interpretations of texts and evaluate the effectiveness of each interpretation by analyzing the author's or artist's choices. As the semester continues, students develop their ability to analyze language and its impact on tone, mood, and meaning as well as determine the themes that emerge from a text. Speaking and listening opportunities are integrated throughout the course.

CREATIVE WRITING**1 Semester 1/2 Credit****Prerequisite: Junior or Senior standing**

Creative Writing is a one-semester, one-half-credit writing course designed for juniors or seniors who have mastered the basics of grammar and expository writing and would like to explore more creative forms of writing. Students will study the meaning and impact of language, theme and purpose, imagery and description, storytelling, and revision. They will write in various creative writing genres.

CONTEMPORARY LITERATURE**1 Semester 1/2 Credit****Prerequisite: Junior or Senior standing, "C" in previous English course. (Offered Every Other Year)**

This course does not qualify as a core course for the purposes of NCAA eligibility.

Contemporary Literature is a one-semester, one-half credit, elective English class designed for juniors and seniors who love to read. There will be opportunities to explore the various genres of short story, short non-fiction, poetry, drama and fiction from the late 20th century with an emphasis

on popular literature. General goals will be to develop knowledge and understanding of modern literature with its varying themes so students will increase their range of ideas, sensitivity to self and others and their abilities to enjoy modern literature. Author's purpose, language style, structure, diction, and popularity will be addressed through discussion and written literary analysis. Selected works may include mature themes and language. Students may be expected to provide their own copies of some literary works used in this course, not to exceed \$20.

JOURNALISM**1 Semester 1/2 Credit**

Prerequisite: Freshman through Senior standing. This course does not qualify as a core course for the purposes of NCAA eligibility.

Journalism is a semester long course in which students of all levels--ranging from freshmen to seniors--learn the basics of reporting and commenting on the communities around them. After learning the basics of journalism, including interviewing strategies and ethical foundations, students write a wide variety of journalistic pieces, including news features, editorials, opinion pieces, sports stories, and reviews, all the while applying AP Style. Additionally, students acquire other essential New Media skills, such as editing copy and the basics of photojournalism, including basic compositional techniques. At the end of the semester, students submit a comprehensive multimedia piece that combines the skills covered in the class--and may appear in one of the school's publications.

NEWSPAPER**1 Year 1 Credit**

Prerequisite: Sophomore through Senior standing. This course does not qualify as a core course for the purposes of NCAA eligibility.

Newspaper is a year-long course in which students of all levels – ranging from sophomores to seniors – will write a wide variety of journalistic pieces, including news features, editorials, opinion pieces, sports stories, and reviews, all while applying AP Style. Additionally, students will acquire other essential New Media skills such as editing copy and the basics of photojournalism, including basic compositional techniques. Students will participate in publishing writings in both print and online media formats.

PUBLICATIONS: YEARBOOK**1 Year 1 Credit**

Prerequisite: This course does not qualify as a core course for the purposes of NCAA eligibility

For yearbook, students will learn the basics of photography, caption writing, feature writing, interviewing, headlines, sidebars, and layout, and will combine these skills to construct the yearbook during the school year. Though students will not be required to work outside of school, proficiency may be easier to acquire if they put in extra work outside of school to cover school events and practice skills. This course may be taken a second year for credit.

COLLEGE COMPOSITION**1 Semester 1/2 Credit**

Prerequisite: Senior standing

College Composition is a one-semester, one-half-credit, senior level writing course designed to acquaint students with the types of writing that colleges will expect them to handle. Focus will be on the five-paragraph essay structure and MLA style. Various techniques of paragraph development, transitions, and sentence variety will be practiced, along with grammar and punctuation review and vocabulary development. Approximately six papers are required, including one research paper.

HONORS COLLEGE COMPOSITION/ENGLISH 151 (DUAL CREDIT MCC) **1 Semester 1/2 Credit**
3 Hours MCC Credit

Prerequisite: Senior standing, successful completion of the MCC placement test, consent of the instructor

This course offers seniors the opportunity to earn three college credits while earning a semester of high school English credit. The curriculum is the same as College Composition. Students must register at McHenry County College. Upon completion, students will be issued grades for both their high school and college transcripts. This course is taught at the high school.

HONORS COLLEGE COMPOSITION/ENGLISH 152 (DUAL CREDIT MCC) **1 Semester 1/2 Credit**
3 Hours MCC Credit

Prerequisite: Completion of Honors College Composition 151 with a C or higher

College Composition 152 Honors is a dual credit course offered through McHenry County College. Students receive college credit if they earn a C or higher in the course. College Composition 152 Honors builds on the knowledge and skills gained in College Composition 151 Honors. Students continue to practice essay writing with a focus on research papers supported by scholarly evidence, as well as the critical analysis of literature. This course requires advanced reading and advanced writing.

HONORS AMERICAN STUDIES ENGLISH **1 Year 1 Credit**

Prerequisite: Junior standing or consent of the counselor or instructor

This course is a combined study of America through its literature and history. English groups will read numerous novels, plays, and shorter works. History groups will study the historical, social, and governmental aspects of America's growth. The relationship between the two classes and advanced composition skills will be stressed. Students will participate in two semester long projects, Chautauqua 1st semester and History Fair 2nd semester. This course meets the English and U.S. History requirements for the junior year, as well as prepares students for a demanding and challenging college curriculum. Students will be required to purchase supplemental reading (i.e. novel, play, etc.) for this course. **The cost is not anticipated to exceed \$20.**

HONORS RHETORIC AND RESEARCH **1 Semester 1/2 Credit**

Prerequisite: Sophomore, Junior, or Senior standing

This is a public speaking-intensive course open to students as an elective. The course is designed to teach basic and advanced speaking skills through a variety of speech activities, including research-based argumentation and persuasion. Students will also engage in several different forms of structured academic debate both individually and in groups. Speech skills and research skills are the basic elements of the course.

HONORS CULTURAL STUDIES ENGLISH **1 Year 1 Credit**

Prerequisite: Senior standing, and American Studies English or consent of the instructor

English is a cross-curricular course that allows students to examine their own culture, the cultures of other countries, and the ways in which culture shapes life. Students will examine contemporary American culture by studying primary sources of American society as well as modern texts that comment on it. Students will also examine other parts of the world—including Latin America, Africa, the Middle East, and Asia—from their American perspective by reading texts from and about these cultures. Upon completion of the course, students will not only be able to consider

themselves culturally aware Americans, but also culturally aware global citizens, and understand the ways in which culture shapes life. Students will be required to purchase one supplemental reading (i.e. novel, play, etc.) for this course. **The cost is not anticipated to exceed \$20.**

RHETORICAL ANALYSIS OF MEDIA**1 Semester 1/2 Credit**

Prerequisite: Junior or Senior standing. This course does not qualify as a core course for the purposes of NCAA eligibility.

This course is a study of media and its impact on society. Students will understand the structure, purpose and effectiveness of messages and information in media such as film, art, TV, electronic, and print media. Students will create various media demonstrating author's purpose, language style, and structure for intended audience. Upon completion of the course, students will be responsible consumers of knowledge acquired through the media and informational texts.

ADVANCED PLACEMENT LANGUAGE AND COMPOSITION**1 Year 1 Credit**

Prerequisite: Junior standing; successful completion of English II; teacher recommendation; and proficiency in the area of reading, literary analysis, writing, grammar usage, oral communication and research.

This year-long course is for juniors who wish to prepare for the AP Language and Composition test and is willing to take on the challenge of a college-level introductory composition course. This non-fiction focused class engages students in becoming skilled readers of prose written in a variety of periods, disciplines and rhetorical contexts, and in becoming skilled writers of expository, analytical and argumentative forms. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing. During the course of the school year, students will be required to purchase one supplemental reading (i.e. nov, play, etc.) for this course. **The cost is not anticipated to exceed \$20. Summer assignments may be required for this course.**

ADVANCED PLACEMENT LITERATURE AND COMPOSITION (TRADITIONAL)**1 Year 1 Credit**

Prerequisite: Senior standing

An Advanced Placement Literature and Composition course engages students in the careful reading and critical analysis of imaginative literature. The course includes intensive study of representative works from various genres and periods, concentrating on works of recognized literary merit. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style, and themes as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. This course prepares the upper-level student for the Advanced Placement test in Literature and Composition, a test for which many colleges grant college credit. During the school year, students in this course will be required to purchase one supplemental reading (i.e. a novel, play, etc.). **The cost is not anticipated to exceed \$20. Summer assignments may be required.**

ADVANCED PLACEMENT LITERATURE AND COMPOSITION (BLENDED)**1 Year 1 Credit**

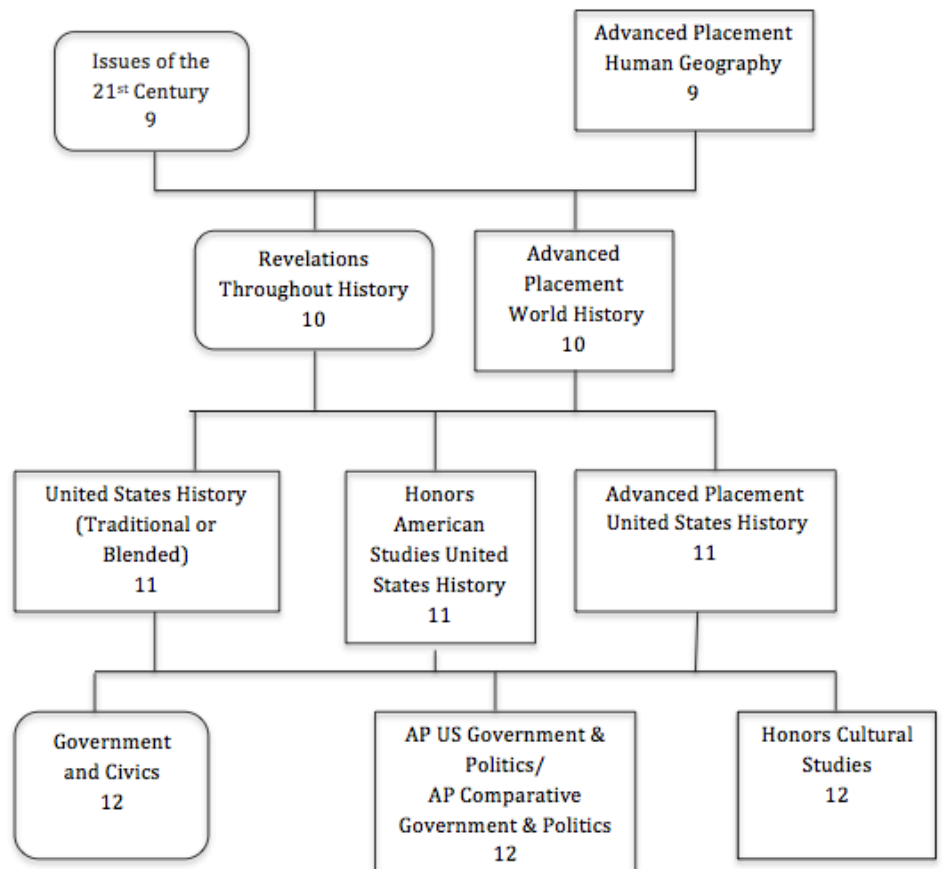
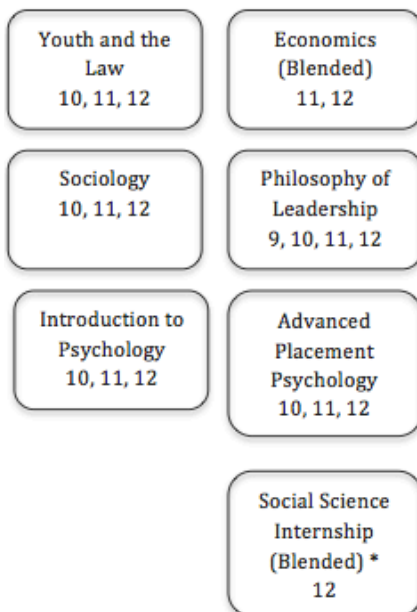
Prerequisite: Senior standing

The blended version of this course covers all standards and targets described in the traditional version described above. The course will begin with all students attending for approximately six

weeks for norms, expectations and foundational skill sets. After this, the course will run on a rotation between face-to-face and online instruction depending on our unit of study. Students should expect to meet in class 2-3 days a week either for whole class instruction or small group workshopping. Students will always have the option to come in for additional face-to-face assistance. If students are identified as struggling, they may be required to come in for additional face-to-face support. This course prepares the upper level student for the Advanced Placement test in Literature and Composition, a test for which many colleges grant college credit. During the school year, students in this course will be required to purchase one supplemental reading (i.e. a novel, play, etc.). **The cost is not anticipated to exceed \$20. Summer assignments may be required.**

SOCIAL SCIENCE

Possible Social Science Electives:



* Not available until 2021-2022 school year.

Freshman students must take Advanced Placement Human Geography or Issues of the 21st Century prior to taking World History.

ISSUES OF THE 21st CENTURY

1 Semester 1/2 Credit

Prerequisite: Freshman standing

As an introduction to the Social Sciences at the high school level, students will learn about important issues facing our country and world today through the use of media, primary source documents, personal experience, etc. in order to make them more aware members of our society. As part of their study of relevant issues, students will also be introduced to techniques they can use to help them become more active participants in their own learning such as research, how to analyze texts and documentation, thinking critically about information they have received, and presentation/communication skills.

REVOLUTIONS THROUGHOUT HISTORY**1 Semester 1/2 Credit****Prerequisite: Issues of the 21st Century, Sophomore standing**

Students will explore the modern world through conflict, art, science, and innovation. Students will take an in-depth look at the roots of the modern world in the European Renaissance, the development of modern technology in the Industrial Revolution, the impact of political theory in the Russian Revolution, and the effects of overcoming imperialism in early twentieth century India.

ADVANCED PLACEMENT HUMAN GEOGRAPHY**1 Year 1 Credit****Prerequisite: Freshman standing with criteria driven by uniform district placement process**

This course is designed to introduce students to the historical, sociological, economical, and political forces which shape society. We will examine and discuss national and international policies and attitudes, and look at their impact on today's global connections. The emphasis of this class is learning through discovery and critical thinking, and we will use many of geography's scientific methods and tools to explore a wide range of similar and differing worldwide viewpoints.

YOUTH AND THE LAW**1 Semester 1/2 Credit****Prerequisite: Sophomore, Junior or Senior standing**

This course introduces students to the basic aspects of civil and criminal law. Students will study the nature of civil and criminal law, types of civil and criminal laws, causes of crime and violent behavior, violence prevention and conflict resolution, criminal procedures, sexual assault awareness, landmark cases, forensics, theories and types of punishments, and juvenile justice, gang awareness and related current events. Students will participate in mock trials and a mock crime scene.

GOVERNMENT AND CIVICS**1 Semester 1/2 Credit****Prerequisite: Senior required course**

This course will give the student an opportunity to learn how local, state and the federal governments operate. The student will have an opportunity to learn how to participate in the governmental process, service learning, and other elements of civic involvement. Topics to be emphasized will be American patriotism and government, the rights and civic responsibilities of citizens, current and controversial issues, decision making in the different levels of government, pressure groups and how they operate, and the role of political parties and the voting process. Students will also learn about the U.S. and Illinois Constitutions and the Congressional Medal of Honor. The US and Illinois constitution test will be administered in this course.

U.S. HISTORY (TRADITIONAL)**1 Year 1 Credit****Prerequisite: Junior required course**

The successful completion of this course is needed to meet graduation requirements. The course will begin with the discovery, exploration, and settlement of the North American continent and continue through time to the present. Stress will be placed on the development of the American economic system, the growth of the American political system, including American patriotism and government, the changing American social structure, and the reflection of these in contemporary American values, including the contributors, ethnic groups, and the history of blacks in America and women in history. In addition, the course will provide instruction in the Holocaust and genocide.

U.S. HISTORY (BLENDED)**1 Year 1 Credit****Prerequisite: Junior required course**

The successful completion of this course is needed to meet graduation requirements. The course will begin with the discovery, exploration, and settlement of the North American continent and continue through time to the present. Stress will be placed on the development of the American economic system, the growth of the American political system, including American patriotism and government, the changing American social structure, and the reflection of these in contemporary American values, including the contributors, ethnic groups, and the history of blacks in America and women in history. In addition, the course will provide instruction in the Holocaust and genocide. As a blended course, students will participate in both “structured learning” and “independent learning.” Independent learning may occur up to two days per week. The amount of time will vary depending on the week and teacher. When students are not meeting with a teacher, they will engage in digital learning. During digital learning, students participate in online activities that will direct their studies. Students are expected to access their blended course digitally on a daily basis. On blended days, teachers will be available to help struggling students by providing more one-on-one instruction and in small groups seeking assistance.

ECONOMICS (BLENDED)**1 Semester 1/2 Credit****Prerequisite: Junior or Senior standing**

The economics course gives an overview of the U.S. economy and compares the U.S. economy with the economic systems of other nations. Current U.S. problems, such as inflation, the national debt, energy problems, and government regulations will be investigated. During this course, students will participate in both “structured learning” and “independent learning.” Times during which students meet with the teacher are designated as “structured learning” which will occur at minimum two days per week. The amount of time will vary depending on the week and teacher. When students are not meeting with a teacher, they will engage in digital learning. During digital learning, students participate in online activities that will direct their learning. Students will have access to content, discussions, and collaborative experiences. Students are expected to access their blended course digitally on a daily basis.

PHILOSOPHY OF LEADERSHIP**1 Semester 1/2 Credit****Prerequisite: This course does not qualify as a core course for the purposes of NCAA eligibility**

This course is designed for aspiring leaders and students who would like to maximize their personal potential. It will provide students with an intricate study of leadership styles and philosophies as they relate to history, society, and the school culture of the MCHS.

SOCIOLOGY**1 Semester 1/2 Credit****Prerequisite: Sophomore through Senior standing**

This course is a general survey of society dealing with the ideas used by sociologists. Topics to be explored are: crime, drug addiction, alcoholism, suicide, problems of cities, and population problems.

INTRODUCTION TO PSYCHOLOGY**1 Semester 1/2 Credit****Prerequisite: Sophomore through Senior standing**

Psychology is a survey course dealing with the basic concepts of psychology to give students an understanding of the way personality develops and of the factors affecting human behavior. An

effort will be made to apply this knowledge to understanding why people behave as they do in groups and in society as a whole.

ADVANCED PLACEMENT PSYCHOLOGY

1 Year 1 Credit

Prerequisite: Sophomore through Senior standing

This 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. Subfields include categories such as history, research methods, biology of behavior, sensation/perception, consciousness, learning, motivation/emotions, personality, and abnormal behavior. Students also learn about the ethics and methods psychologists use in their science and practice.

HONORS AMERICAN STUDIES U.S. HISTORY

1 Year 1 Credit

Prerequisite: Junior standing

This course is a combined study of America through its literature and history. History groups will study the historical, social, and governmental aspects of America's growth. English groups will read several plays, novels, and shorter works. The relationships between the two classes will be stressed, as well as opportunities for independent learning and research, and advanced composition skills. This course meets the English and U.S. History requirement for the junior year as it covers the same issues including black history and women in history. During the course of the school year students will be required to purchase one supplemental reading (i.e. novel, play, etc.) for this course. The cost is not anticipated to exceed \$20. Summer assignments may be required for this course.

HONORS CULTURAL STUDIES SOCIAL SCIENCE

1 Year 1 Credit

Prerequisite: Senior standing and American Studies, or consent of the instructor

In this interdisciplinary course, government, philosophy, history, literature, and humanities will be studied with an emphasis on twentieth century social and political world systems. Students are expected to do several high level readings and writings, thereby becoming proficient in usage, diction, and analysis. This U.S. history course meets Social Science requirements for graduation. During the course of the school year students will be required to purchase one supplemental reading (i.e. novel, play, etc.) for this course. The cost is not anticipated to exceed \$20. Summer assignments may be required for this course. Students will also learn about the U.S. and Illinois Constitutions and the Congressional Medal of Honor. The constitution test will be administered in this course.

ADVANCED PLACEMENT U.S. HISTORY

1 Year 1 Credit

Prerequisite: Junior standing

The AP U.S. History course provides students with the analytical skills and factual knowledge necessary to deal critically with the subject of U.S. history including American patriotism and government. The class prepares students for intermediate and advanced college courses by asking them to work up to the standards of a full year introductory college course in U.S. History. This class will develop skills necessary to arrive at informed conclusions and to present reasons and evidence clearly and persuasively in written and oral format. This rigorous reading and writing intensive class

will prepare students to be successful on the AP exam in U.S. History which gives them an opportunity to earn college credit. Summer assignments may be required for this course.

ADVANCED PLACEMENT U.S. GOVERNMENT AND POLITICS/**1 Year 1 Credit****ADVANCED PLACEMENT COMPARATIVE GOVERNMENT AND POLITICS****Prerequisite: Senior standing, U.S. History, American Studies, or AP U.S. History**

This yearlong course is divided by semester into AP American Government and AP Comparative Government. The first semester covers AP American Government and emphasizes an analytical understanding of the political culture, structures, and practices of the U.S. Government. Topics include applications of civil rights, the challenges of the presidency and congress, personal freedoms, national and state elections, and the cases of the U.S. Supreme Court. The Federal and Illinois State Constitution tests are taken during the first semester of the course. The second semester of the course gives students a basic understanding of international political structures and is focused on analysis of China, Great Britain, Nigeria, Iran, Russia, and Mexico. This course is valuable to students interested in understanding the past conflicts, modern problems, and future challenges facing an increasingly interconnected world. International issues such as global security, national conflicts, international elections, and the economics of trade are all covered in depth through the examination of these six countries. Readings and requirements include college-level materials, supplementary articles, and daily periodicals as well as viewing audiovisual media from world media sources. Students are strongly encouraged to take the AP tests for both courses. Summer assignments may be required for this course.

ADVANCED PLACEMENT WORLD HISTORY**1 Year 1 Credit****Prerequisite: 21st Century or AP Human Geography, Sophomore standing**

This course is structured around the investigation of five course themes (interaction between humans and environment; development and interaction of culture; state building, expansion, and conflict; creation, expansion and interaction of economic systems; and development and transformation of social structures) and 19 key concepts in six different chronological periods, from approximately 8000 B.C.E. to the present. The six chronological periods of study are as follows: technological and environmental transformations, organization and reorganization of human, regional and trans-regional interactions, global interactions, industrialization and global integration, and accelerating global change and realignments. The course framework defines a set of shared historical thinking skills, which allows teachers to make more informed choices about appropriate ways of linking content and thinking skills. These include drafting historical arguments from historical evidence, chronological reasoning, comparison and contextualization, and historical interpretation and analysis. Students will acquire knowledge through rigorous reading of numerous primary source materials, supplemental readings, and the textbook. Their knowledge will be assessed through the use of multiple choice quizzes and tests, free response questions, and document based questions. These will also serve as preparation for the AP exam in May.

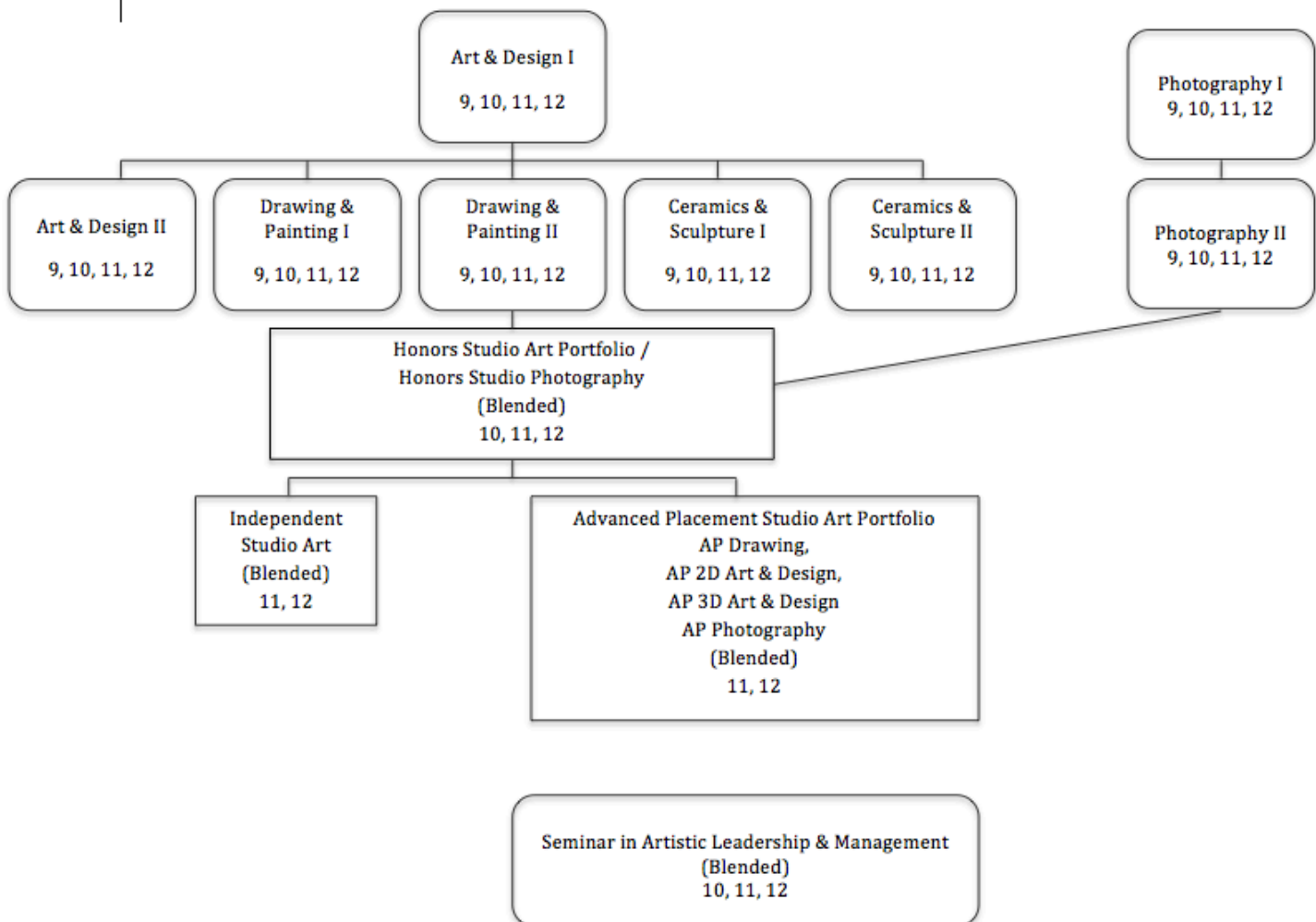
SOCIAL SCIENCE INTERNSHIP (BLENDED) (Available 2021-2022 school year) 1 Year 1 Credit

Prerequisite: Consent of instructors based on the identified pathway and .5 credits of social science elective. Students interested in Social Science Internship should consider the elective courses outlined below.

This capstone social science experience will match seniors interested in gaining experience within social science fields with a community partner to shadow and assist for 2-3 hours per week. Students will attend a discussion based class 2-3 days per week where they will learn elements of professionalism, share their experiences with classmates, and complete a semester-long portfolio project. Students interested in careers in social science pathways including social services, government and public service, and law and public safety should consider this capstone experience.

DIVISION OF FINE ARTS & WORLD LANGUAGE

ART



ART & DESIGN I

1 Semester 1/2 Credit

Prerequisite: None

Students in this course will draw, paint, design, and sculpt works of art. Students will experiment with a variety of mark-making tools and materials, while exploring different compositional structures and ideas. This course meets the prerequisite for all remaining art courses.

ART & DESIGN II**1 Semester 1/2 Credit****Prerequisite: ART & DESIGN I**

Students in this course will draw, paint, design, and sculpt works of art. Students will experiment with a variety of mark-making tools and materials, while exploring different compositional structures and ideas. Students will learn how to maintain a focus throughout their work through interpreting two 'big ideas' and expand their perceptions in creating three or more related artworks within each series.

DRAWING & PAINTING I**1 Semester 1/2 Credit****Prerequisite: ART & DESIGN I**

Students in this course will create drawings, paintings, and prints, while experimenting with a variety of mark-making tools and materials. Students will develop different compositional structures and ideas as they explore their own place and core beliefs in society.

DRAWING & PAINTING II**1 Semester 1/2 Credit****Prerequisite: ART & DESIGN I**

Students in this course will create drawings, paintings, and prints, while experimenting with a variety of mark-making tools and materials. Students will develop different compositional structures and ideas as they explore environmental, political, and cultural issues that influence their thoughts and actions.

CERAMICS & SCULPTURE I**1 Semester 1/2 Credit****Prerequisite: ART & DESIGN I**

Students in this course will work with clay, papier-mâché, plaster, and cardboard, while experimenting with different compositional structures, techniques and ideas. Students will explore additive and subtractive techniques within functional and decorative sculptures methods while creating works of art that reflect their personal observations and ideas.

CERAMICS & SCULPTURE II**1 Semester 1/2 Credit****Prerequisite: ART & DESIGN I**

Students in this course will work with clay, packing tape, plaster, and found materials, while experimenting with different compositional structures, techniques and ideas. Students will explore additive and subtractive techniques within functional and decorative sculpture methods while creating works of art that reflect their perceptions of various environmental and social ideas.

PHOTOGRAPHY I**1 Semester 1/2 Credit****Prerequisite: None**

This course provides students with an introduction to camera basics including advanced camera techniques using smartphones and photo-editing apps along with digital SLRs and post-production editing in Photoshop CC. Students will learn how to manually adjust camera settings prior to taking photos and learn how to frame subjects for the purpose of creating original photos for print. In addition to the basics of understanding composition and exploring concepts through photography, students will explore artists from the past through present and make their own connections.

PHOTOGRAPHY II**1 Semester 1/2 Credit****Prerequisite: PHOTOGRAPHY I**

This course will build upon the learning achieved in PHOTOGRAPHY I by taking a more in-depth look at digital SLR camera techniques, photo-editing, and advanced digital printing techniques while developing an artist portfolio. Students will be exposed to a variety of techniques that push the boundaries of photography while exploring and developing personal concepts and ideas.

HONORS STUDIO ART PORTFOLIO / HONORS STUDIO PHOTOGRAPHY (BLENDED)**1 Year 1 Credit**

Prerequisite: Sophomore, Junior or Senior standing. Portfolio Pending with completion of Level II Art Course in one of the following areas: DRAWING & PAINTING I or II, CERAMIC & SCULPTURE I or II, PHOTOGRAPHY II.

This course is structured as a pre-AP studio course that bridges the honors courses described below with the AP STUDIO ART courses. This will provide students with the technical range of approaches to prepare them for Advanced Placement Studio Art coursework. This course employs “blended learning” methods where students have a combination of face-to-face time with the teacher and out-of-class time to complete projects and learn independently. Students will choose to focus on one of the following lenses:

Honors Drawing Portfolio

This portfolio is designated for work that focuses on the use of mark-making. The focus of this course is to explore two-dimensional drawing and painting techniques.

Honors 2D Art & Design and Honors Photography Portfolios

These portfolios are designated for work that focuses on the use of two-dimensional (2-D) elements and principles of art and design. The focus of this course is to explore composition.

Honors 3D Art & Design Portfolio

This portfolio is designated for work that focuses on the use of three-dimensional (3-D) elements and principles of art and design. The focus of this course is to explore sculptural art and designs.

INDEPENDENT STUDIO ART (BLENDED)**1/2 or 1 Year 1/2 or 1 Credit**

Prerequisite: Junior or Senior standing. Completion of four semesters of Art Courses.

This course will provide students an opportunity to independently create a technical, compositional, and conceptual focus for each of their works of art. Students may focus specifically on photography, drawing, design, sculpture, etc., or work within a variety of different art forms of their choosing. During each semester, students will develop six or more works of art while exploring and investigating media, tools, compositional structures and ideas. This course employs “blended learning” methods where students have a combination of face-to-face time with the teacher and out-of-class time to complete projects and learn independently.

ADVANCED PLACEMENT STUDIO ART PORTFOLIO – AP DRAWING, AP 2D ART & DESIGN, AP 3D ART & DESIGN, AP PHOTOGRAPHY (BLENDED)**1 Year 1 Credit**

Prerequisite: Junior or Senior standing. Honors Studio Art Portfolio/Honors Studio Photography recommended. Completion of four semesters of Art Courses and Portfolio pending.

This course is structured to coincide with the AP Studio Art courses as described by College Board. Students will choose to focus on one of the following lenses:

AP Drawing Portfolio Exam

This portfolio is designated for work that focuses on the use of mark-making, line, surface, space, light and shade, and composition. Students should consider marks that can be used to make drawings, the arrangement of marks, the materials and processes used to make marks, and relationships of marks and ideas. Students can work with any materials, processes, and ideas. Drawing (analog and digital), painting, printmaking, and mixed media work are among the possibilities for submission. Still images from videos or film are accepted. Composite images may be submitted.

AP 2D Art and Design & AP Photography Portfolio Exams

These portfolios are designated for work that focuses on the use of two-dimensional (2D) elements and principles of art and design, including point, line, shape, plane, layer, form, space, texture, color, value, opacity, transparency, time, unity, variety, rhythm, movement, proportion, scale, balance, emphasis, contrast, repetition, figure/ground relationship, connection, juxtaposition, and hierarchy. Students should consider how materials, processes, and ideas can be used to make work that exists on a flat surface. Students can work with any materials, processes, and ideas. Graphic design, digital imaging, photography, collage, fabric design, weaving, fashion design, fashion illustration, painting, and printmaking are among the possibilities for submission. Still images from videos or film are accepted. Composite images may be submitted.

AP 3D Art and Design Portfolio Exam

This portfolio is designated for work that focuses on the use of three-dimensional (3D) elements and principles of art and design, including point, line, shape, plane, layer, form, volume, mass, occupied/unoccupied space, texture, color, value, opacity, transparency, time, unity, variety, rhythm, movement, proportion, scale, balance, emphasis, contrast, repetition, connection, juxtaposition, and hierarchy. Students should consider how materials, processes, and ideas can be used to make work that involves space and form. Students can work with any materials, processes, and ideas. Figurative or non figurative sculptures, architectural models, metal work, ceramics, glasswork, installation, performance, assemblage, and 3-D fabric/fiber arts are among the possibilities for submission. Still images from videos or film are accepted. Composite images may be submitted.

SEMINAR IN ARTISTIC LEADERSHIP AND MANAGEMENT (BLENDED)

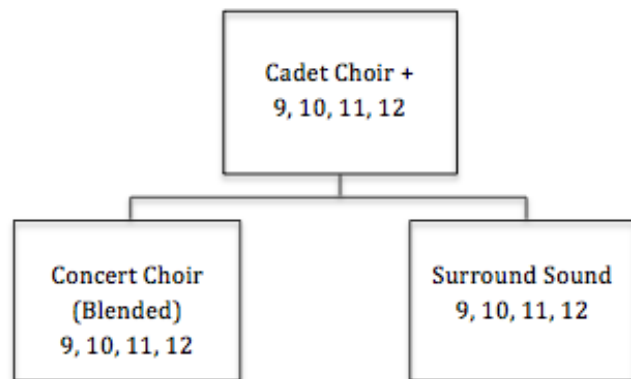
1 Semester 1/2 Credit

Prerequisite: Sophomore, Junior or Senior standing. Introductory Fine Arts or Introductory CTE course strongly suggestion, but not required.

Seminar in Artistic Leadership and Management is a semester-long course open to all students interested in creative careers such as those dealing with the arts, audio/visuals, technology, and communications pathways. The course will provide opportunities for students to lead projects, work with the community, and make connections within the school related to the arts.

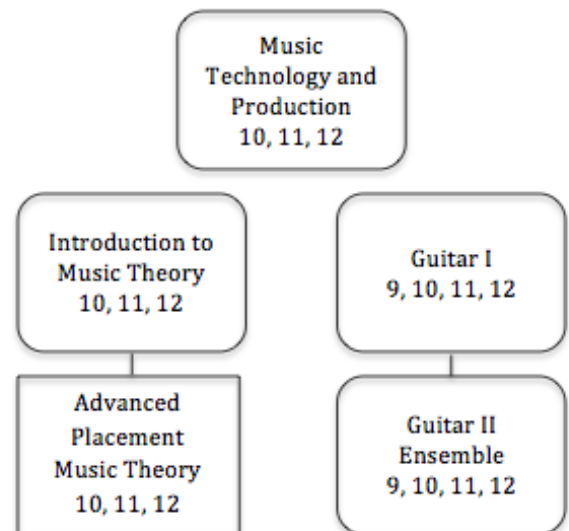
MUSIC

VOCAL



+Freshman and sophomore students have option to take ½ or 1 credit.

GENERAL



BAND



CONCERT BAND

1 Year 1 Credit

Prerequisite: Freshman Band or audition

Concert Band is open for intermediate to advanced wind and percussion instrumentalists in all grade levels. The course emphasizes the development of performance skills, musical interpretation and individual technique. Through rehearsals, clinics and performances, students will broaden their musical abilities with the study of intermediate to advanced literature of various musical styles and historical periods. Students will play on four band concerts and one festival performance every year and will regularly work with outside of MCHS clinicians to enhance their playing ability. Concert Band will perform at regularly scheduled concerts and various school community functions and is offered to students in grades 10-12.

SYMPHONIC BAND (HONORS OPTION AVAILABLE)

1 Year 1 Credit

Prerequisite: Audition and consent of the instructor

Symphonic Band is the premier concert band at MCHS and combines students from East and West Campuses. Students will perform music of advanced high school/early college grade level in both traditional and contemporary music genres while developing advanced techniques and concepts in

music performance, history, and beginning music theory. Performances will include both regularly scheduled, on-campus concerts and numerous off campus community and festival performances. Membership is by audition only, with auditions held the first two weeks of April. This is a full year ensemble open to students in grades 9-12. The honors option will run concurrently with the non-honors option for this course. The honors option will include additional coursework and performance requirements as well as a more rigorous evaluation of students for non-honors coursework and evaluations.

PERCUSSION (HONORS OPTION AVAILABLE)

1 Year 1 Credit

Prerequisite: Percussion band students with consent of the Instructor

This course provides percussion students with a curriculum focused solely on percussion instruments. This focused curriculum and class time helps the learners achieve a more in depth understanding of their instruments and correct playing techniques. The class will feature different units on various percussion instruments and the students will play in small percussion ensembles based on ability level and these ensembles will perform at our band concerts. The honors option is for students who qualify for Honors Symphonic Band (see course description) but play a percussion instrument. The honors option will run concurrently with the non-honors option for this course. The honors option will include additional coursework and performance requirements as well as a more rigorous evaluation of students.

JAZZ BAND (ZERO HOUR) (BLENDED)

1 Year 1 Credit

Prerequisite: Concurrent enrollment in Concert or Symphonic Band and consent of the instructor

Students in Jazz Band will learn the basics of improvisation, swing style, and jazz ensemble playing. Students will play jazz ensemble music ranging from 1920s swing to 80s funk to current contemporary jazz compositions. Jazz Band will also attend jazz festivals during the school year and host a variety of guest artists and educators to further the education of the jazz ensemble. Students must audition for jazz band AND be enrolled in either concert band or symphonic band during the school day in order to register for jazz band. This zero hour course will meet two days a week. The remaining instructional time will consist of teacher assigned, formative practice through the use of technology. Students will have the flexibility to complete this practice when most convenient within their daily schedule. This is a yearlong course and is offered to students in grades 9-12. **Students MUST have the ability to get to school without the use of bus transportation.**

JAZZ ENSEMBLE (ZERO HOUR) (BLENDED) (HONORS OPTION AVAILABLE)

1 Year 1 Credit

Prerequisite: Concurrent enrollment in Concert or Symphonic Band and consent of the instructor

The Jazz Ensemble is the premier jazz band at McHenry Community High School. Students in Jazz Ensemble will be learning advanced concepts related to jazz improvisation, ensemble performance, and transcription. It is open to all grade levels and meets twice before school. The remaining instructional time will consist of teacher assigned, formative practice through the use of technology. This is a yearlong course and is offered to students in grades 9-12. Private lessons are strongly encouraged to develop stylistic, technical, and improvisational skills. For students who need assistance, there is lesson scholarship money available. An audition for Jazz Ensemble is required AND students must be enrolled in either concert band or symphonic band during the school day. The honors option is for students who audition for IMEA and Jazz in the Fall, as well as perform solos at every concert/festival. The honors option and Jazz Ensemble will run concurrently with Zero

Hour Jazz Band. **Students MUST have the ability to get to school without the use of bus transportation.**

CADET CHOIR**1/2 OR 1 Year 1/2 OR 1 Credit ****

Cadet Choir provides an opportunity for beginning and intermediate musicians to develop basic fundamentals of their voices. Students will focus on developing basic knowledge in various styles of music, theory, history, and performing. The choir will perform at various concerts, festivals and other school related activities. The Cadet Choir will be open to any students interested in developing their voices.

****Freshman and sophomore students will have the option to take this course for 1/2 or 1 credit.**

CONCERT CHOIR (BLENDED)**1 Year 1 Credit**

Prerequisite: Audition and consent of the instructor

Students in Concert Choir will continue developing skills on their voice part while learning to perform within the largest ensemble offered (100 students). Vocal music will include secular and sacred music from the Classical, Romantic, and Contemporary genres. The focus of this ensemble will be performing at the highest level possible while interpreting the inner meaning of the text through analysis. Music theory and rehearsal techniques will also be utilized. This blended course will run on a three-day rotation with Soprano/Alto meeting one day, Bass/Tenor meeting the next, and then both groups meeting for a combined class on the third before beginning the rotation again. On days where students are not required to be in class, there will be individual listening and theory tools to use and complete. All Concert Choir members will be required to participate in many curricular and extracurricular activities that will be scheduled with at least two weeks prior notice. Performances will include presentations at school events, festivals, civic functions, clinics, tours, and regularly scheduled concerts. Membership in this ensemble is by audition only, with auditions held the first two weeks of April.

GUITAR I**1 Semester 1/2 Credit**

Prerequisite: None

Guitar I introduces students to basic concepts of guitar performance allowing students to perform basic melody performances utilized in folk, pop, and jazz styles. Additionally, this course will teach students about the fundamentals of basic music notation, chord symbols, and tab notation as well as fundamental concepts of popular and folk music styles and histories.

GUITAR II ENSEMBLE**1 Semester 1/2 Credit**

Prerequisite: Guitar I or consent of the instructor

The semester-long course will expand upon technical and theoretical practices established in Guitar I including greater emphasis on pop music theory, music composition, expanded use of barre chords and picking patterns, solo techniques, and musical independence. Ensemble performance will also be introduced with the inclusion of ensemble performance opportunities. This course may be repeated to allow for continued engagement in ensemble guitar and development of musical skills.

SURROUND SOUND**1 Year 1 Credit**

Prerequisite: Audition and consent of the instructor

Surround Sound is the premier vocal ensemble offered at MCHS. Students will become advanced musicians through the study of quality secular and sacred chamber choir literature from the

Baroque, Renaissance, Romantic, Contemporary and Jazz genres. Surround Sound members will be required to participate in many curricular and extracurricular activities that will be scheduled with at least two weeks prior notice. The focus of this ensemble will be performing at the highest level possible while learning how to critique their own performances through clinics and critical listening. Performances will include presentations at school events, festivals, civic functions, clinics, tours, regularly scheduled concerts and honor invitational. Membership in this ensemble is by audition only, with auditions held the first two weeks of April.

MUSIC TECHNOLOGY AND PRODUCTION

1 Semester 1/2 Credit

Prerequisite: Sophomore, Junior, or Senior standing

This semester-long course will be to give students the theoretical and hands-on training needed to understand, set-up and run all of the technology needed to make any 21st century stage production a success. Students will study all components that are needed to run a successful sound rig, draw sound schemes for the needs of any school or private function, and be able to properly manage levels for corded and wireless applications. Sound recording, editing, and mixing using Audacity® and other audio platforms will also be studied. Students will learn how to create a lighting scheme and set appropriate cues into any auditorium or professional application and be prepared to use “industry standard” equipment.

INTRODUCTION TO MUSIC THEORY

1 Semester 1/2 Credit

Prerequisite: Sophomore standing

Introduction to Music Theory is a one-semester course intended to prepare students for intensive study of music theory at the AP level. No prior music experience is necessary, though exposure to music through private instruction or a performance course is encouraged. This course focuses on the fundamental background knowledge for advanced music theory study including notation, key, scales, basic chord structure, introductory aural skills, beginning composition, and introductory music literature.

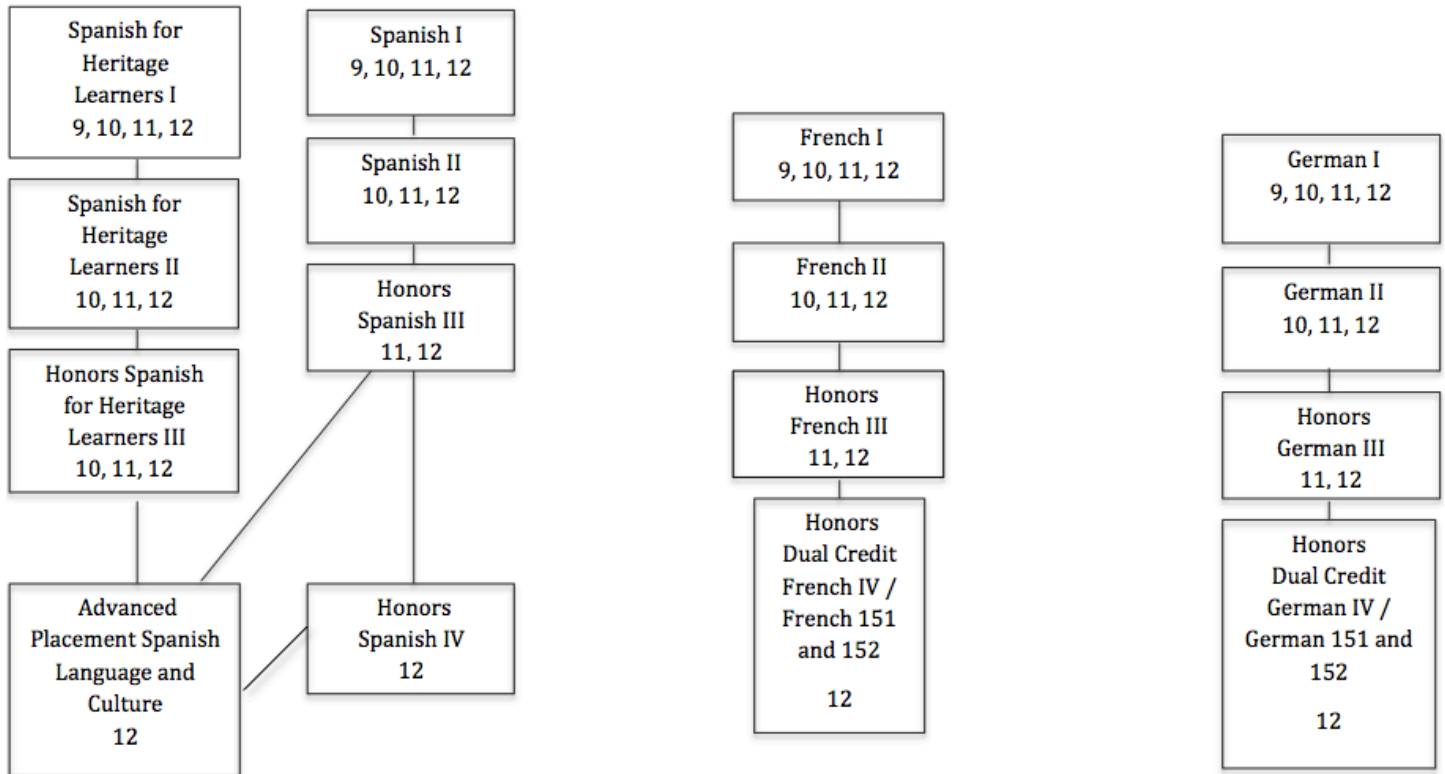
ADVANCED PLACEMENT MUSIC THEORY

1 Year 1 Credit

Prerequisite: Introduction to Music Theory or passing of proficiency test

AP Music Theory serves as a detailed study of music theory, composition, aural skills, and history in preparation for the AP Music Theory test. The course will address the topics typically covered in the first year of collegiate music study including notation fundamentals, functional tonality key and chord studies, modulations, form, texture, and history. This course is written in accordance with the expectations of the College Board for the AP Music Theory exam.

WORLD LANGUAGES



FRENCH I

1 Year 1 Credit

Students enrolled in French I begin using the language in context from the first day. Authentic materials, such as advertisements, film, magazines, etc. directly from the target cultures are used to enhance learning of the basic skills of reading, writing, speaking, and listening. Focus is placed on authentic, practical language production. The teaching of cultures across the Francophone world, including Africa, Canada, and Asia, permeates the curriculum. Most of the class content is taught in French.

FRENCH II

1 Year 1 Credit

Prerequisite: French I, or consent of the instructor

French II expands upon the basic skills acquired in French I. The French language continues to be used and produced daily in the classroom. Culture is a main focus, as exploration of the distinct regions within France are highlighted. Students examine more complex language, such as overheard conversations, taking quick messages, and retelling stories in the past. Students can expect to read short literary passages, as well. Most of the class content is taught in French.

HONORS FRENCH III

1 Year 1 Credit

Prerequisite: Satisfactory work in French II or consent of the instructor

In French III, students continue their acquisition of practical language to include narrating in the present, past, and future. Daily application of the language includes contemporary cultural study, geography, and daily life. Film and literature are frequently encountered. Most of the class content is taught in French. French III is designed as a preparatory course for AP French.

HONORS FRENCH IV / FRENCH 151 and 152 (DUAL CREDIT MCC)**1 Year 1 Credit****Prerequisite: Satisfactory work in French III, or consent of the instructor**

Students will have the opportunity to develop their fluency in speaking French through discussions based on literary selections or magazine articles. The students will further develop grammatical skills by writing short compositions. There is a continued development and refinement of the four basic skills: listening, speaking, reading, and writing. A grammar text containing reinforcement exercises in all four areas will be used. The student should also be aware that much of the course content is presented in French. This capstone course is offered in conjunction with MCC as a dual credit course. Students will earn college credit with a grade of C or higher.

ADVANCED PLACEMENT FRENCH LANGUAGE AND CULTURE**1 Year 1 Credit****Prerequisite: Satisfactory performance in French III, student desire, or consent of the instructor**

This is a rigorous course instructed completely in French. This course is intended to equate to the rigor of a college course through the application of the major skills on AP suggested themes. Reading, listening, speaking, and writing will be practiced daily through the use of authentic sources and scenarios. Students will also integrate a variety of vocabulary and grammar across a variety of themes. The course will culminate with the opportunity for students to take the AP exam in May.

SPANISH FOR HERITAGE LEARNERS I**1 Year 1 Credit**

This course is designed to shape and practice the reading and writing skills of the Spanish-speaking student. It will be used to learn grammar and basic composition skills by means of contemporary literature. In addition to the reading and writing aspect of the course, social and cultural differences between the U.S. and Hispanic countries will be analyzed and discussed.

SPANISH FOR HERITAGE LEARNERS II**1 Year 1 Credit****Prerequisite: Completion of Spanish for Heritage Learners I and teacher approval**

This course is a year-long class with two alternating curriculums, enabling students to take two additional years of Spanish and designed to continue shaping and practicing the reading and writing skills of the Spanish-speaking student. It will further the development of grammar and basic composition skills by means of contemporary literature and film. In addition to the reading and writing aspect of the course, social and cultural aspects of Hispanic American life will be analyzed and discussed.

HONORS SPANISH FOR HERITAGE LEARNERS III**1 Year 1 Credit****Prerequisite: Satisfactory performance in Spanish II, or consent of the instructor**

This course is a year-long class with two alternating curriculums, enabling students to take two additional years of Spanish and designed to continue shaping and practicing the reading and writing skills of the Spanish speaking student. It will further the development of grammar and basic composition skills by means of contemporary literature and film. In addition to the reading and writing aspect of the course, social and cultural aspects of Hispanic American life will be analyzed and discussed. The course will also include demonstration and implementation of real life skills.

SPANISH I**1 Year 1 Credit**

Through listening, speaking, reading, and writing, students will learn the basics of the Spanish language. Correct pronunciation of words, everyday phrases, useful vocabulary, and both the

present tense and past tense of regular and irregular verbs will help develop communication skills. Cross-cultural comparisons between Hispanic countries will be presented.

SPANISH II

1 Year 1 Credit

Prerequisite: Spanish I, or consent of the instructor

This is a continuation of the first year program with an emphasis on increasing knowledge of the Spanish language. Speaking, reading, and writing in Spanish will be emphasized.

HONORS SPANISH III

1 Year 1 Credit

Prerequisite: Satisfactory performance in Spanish II, or consent of the instructor

In Spanish III, there is continued development of the four communication skills: listening, speaking, reading, and writing. In addition to the course of study of Spanish grammar and vocabulary, students will read, write short compositions, and communicate in the target language. The student should also be aware that much of the course content is presented in Spanish.

HONORS SPANISH IV

1 Year 1 Credit

Prerequisite: Satisfactory performance in Spanish III, or consent of the instructor

Students will read, answer questions, and discuss literary works from Spain and Latin America. There will be an extensive grammar review, new vocabulary, and a focus on verbal and written communication skills. The student should be aware that the majority of the course content is taught in Spanish. The country and culture of Spain will be highlighted.

ADVANCED PLACEMENT SPANISH LANGUAGE AND CULTURE

1 Year 1 Credit

Prerequisite: Satisfactory performance in Spanish III, Heritage III, or Spanish IV, student desire, or consent of the instructor

This is a rigorous course instructed completely in Spanish. The expectations and workload will be considerably higher than Spanish IV Honors and students will be expected to use only Spanish. This course is intended to equate to the rigor of a college course through the application of the major skills on AP suggested themes. Reading, listening, speaking, and writing will be practiced daily through the use of authentic sources and scenarios. Students will also integrate a variety of vocabulary and grammar across a variety of themes. The course will culminate with the opportunity for students to take the AP exam in May.

GERMAN I

1 Year 1 Credit

Students will study the German language, developing skills of understanding, speaking, reading, and writing. Acquisition of useful, contemporary vocabulary is stressed, along with a natural and basic conversational level of language. Also stressed are the lifestyles, interests and activities of people from German-speaking countries.

GERMAN II

1 Year 1 Credit

Prerequisite: German I, or consent of the instructor

German II continues to develop skills in vocabulary, speaking, reading, and writing. There is emphasis on grammar concepts along with comprehension of the German culture.

HONORS GERMAN III

1 Year 1 Credit

Prerequisite: Successful completion of German II, or consent of the instructor

The grammatical forms and vocabulary needed for formal writing are taught. Contemporary cultural material is used for the enlargement and enrichment of vocabulary, and as a basis for oral work and written composition in German. The textbook material will be enhanced through authentic materials. The students should be aware that much of the course content is presented in German.

HONORS GERMAN IV / GERMAN 151 AND 152 (DUAL CREDIT MCC)

1 Year 1 Credit

Prerequisite: Successful completion of German III, or consent of the instructor

The grammatical forms and vocabulary needed for formal writing are taught. Contemporary cultural material is used for the enlargement and enrichment of vocabulary, and as a basis for oral work and written composition in German. The textbook material will be enhanced through authentic materials. The students should be aware that much of the course content is presented in German. This capstone course is offered in conjunction with MCC as a dual credit course. Students will earn college credit with a grade of C or higher.

ADVANCED PLACEMENT GERMAN LANGUAGE AND CULTURE

1 Year 1 Credit

Prerequisite: Satisfactory performance in German III, student desire, or consent of the instructor

This is a rigorous course instructed completely in German. This course is intended to equate to the rigor of a college course through the application of the major skills on AP suggested themes. Reading, listening, speaking, and writing will be practiced daily through the use of authentic sources and scenarios. Students will also integrate a variety of vocabulary and grammar across a variety of themes. The course will culminate with the opportunity for students to take the AP exam in May.

ENGLISH LEARNER (EL)

YEAR 1

EL English 1, 2, 3, T

Fundamentals of
Algebra &
Geometry

Algebra I

Physical Science

Earth Science

Issues of the
21st Century

Revolutions
Throughout
History

Physical
Education

EL Resource

YEAR 2

EL English 1, 2, 3, T

Geometry

Algebra I (or)
Algebra II

Biology

U.S. History

Health

EL Resource

Offered every other
summer – EVEN:

Consumer
Education

Government and
Civics

NOTE: MCHS provides language support and materials that are available in English and Spanish for English Learner Courses.

EL LEVEL I (EL I)

1 Year 1 Credit

This is the first level of English language learning. This course is for students whose abilities in English are at the Entering to Beginning WIDA levels. Emphasis is placed on learning academic vocabulary which will help the student be successful in high school.

EL LEVEL II (EL II)

1 Year 1 Credit

EL II is for students who are continuing to develop their English language skills. Units of study include research, essay formats, short story, drama, and nonfiction literacy.

EL LEVEL III (EL III)**1 Year 1 Credit**

EL III is for students who are developing and expanding their English skills. Students will learn grade level concepts while reading fiction, non-fiction, and drama. Students will continue to develop composition skills.

EL LEVEL TRANSITIONS**1 Year 1 Credit**

Students who are expanding and bridging their English language skills will develop their grade level literacy skills in preparation for entering mainstream English classes. Students will study literature, nonfiction, composition, and research skills.

EL RESOURCE**1 Year 1 Credit**

This class will continue to be a support period for our EL population with a focus on academic vocabulary and literacy skills. It will also be connected to the new WIDA standards.

HEALTH EDUCATION**1 Semester 1/2 Credit****Prerequisite: Freshman standing**

Every freshman must take Health Education as a requirement for graduation. Units of study to be covered are: overall health and wellness, nutrition, exercise and fitness, tobacco and alcohol, anabolic steroids, cancer instruction, violence prevention and conflict resolution, drug and drug abuse, disease and illness, abstinence, reproduction and pregnancy, sexual assault awareness, internet safety, and safety and first aid. Basic facts and practical skills needed to stay healthy are presented.

FUNDAMENTALS OF ALGEBRA AND GEOMETRY**1 Year 1 Credit**

Prerequisite: Consent of High School Division Chair per uniform placement process. This course does not qualify as a core course for the purposes of NCAA eligibility.

A freshman course for students who need foundational algebraic skills. The course focuses on integer and fractional operations, simplifying expressions, algebraic expressions and functions, the coordinate plane, linear equations and functions, intro to linear systems, and inequalities. The course will also apply foundational geometric concepts, transformations, properties of shapes and solids. Students will utilize Khan Academy structure for Pre-Algebra, Algebra Basics, Basic Geometry, and High School Geometry. This course will prepare students for Algebra I and also meet the high school graduation requirement for Geometry.

Graphing calculator required: TI-83 or TI-84

ALGEBRA I**1 Year 1 Credit**

Prerequisite: Consent of 8th grade Instructor and District Division Chair of Mathematics

In Algebra I, students will study the structure of mathematics and the methods for working with signed numbers, equations, inequalities, polynomials, factoring, graphs, radicals, and applications of algebra. Algebra is required for graduation in Illinois and MCHS believes that it is a foundation for future success in mathematics courses for all students. Daily written assignments to be completed outside of class will be required of all students.

Graphing calculator required: TI-83 or TI-84.

ALGEBRA II**1 Year 1 Credit**

Prerequisite: Successful completion of Honors Geometry or Geometry, a grade of B or higher in Intermediate Algebra. Grade of C or higher in Algebra I is highly recommended.

All topics covered initially in Algebra I are reviewed and studied in depth. Some of advanced study and application include linear equations and inequalities; linear systems and matrices; quadratic functions and factoring; polynomials; rational exponents and radical functions; logarithms; quadratic relations and conic sections; data analysis and statistics; sequences and series; trig ratios, functions, graphs, identities, and equations. The student will, in general, need to spend at least as much time outside of class as scheduled class time to meet the requirements of the course.

Graphing calculator required: TI-83 or TI-84

GEOMETRY**1 Year 1 Credit**

Prerequisite: Successful completion of Algebra I

Geometry develops the techniques of logical thinking, an awareness of the geometric aspects of our environments, and insight into many of the types of problems found on college entrance exams. This course is designed for, but not limited to, students planning to attend college or a career requiring knowledge of geometry. Students will study the properties of lines and segments, angles, triangles, circles, and polygons as well as review the concepts developed in Algebra I. Daily written assignments will be required of all students. Because of the nature of the course, students should expect to spend a considerable amount of time outside of class on assignments. Students may be requested to purchase some geometry supplies.

Graphing calculator required: TI-83 or TI-84.

U.S. HISTORY**1 Year 1 Credit**

Prerequisite: Junior required course

The successful completion of this course is needed to meet graduation requirements. The course will begin with the discovery, exploration, and settlement of the North American continent and continue through time to the present. Stress will be placed on the development of the American economic system, the growth of the American political system, including American patriotism and government, the changing American social structure, and the reflection of these in contemporary American values, including the contributors, ethnic groups, and the history of blacks in America and women in history. In addition, the course will provide instruction in the Holocaust and genocide.

ISSUES OF THE 21ST CENTURY**1 Semester 1/2 Credit**

As an introduction to the Social Sciences at the high school level, students will learn about important issues facing our country and world today through the use of media, primary source documents, personal experience, etc. in order to make them more aware members of our society. As part of their study of relevant issues, students will also be introduced to techniques they can use to help them become more active participants in their own learning such as research, how to analyze texts and documentation, thinking critically about information they have received, and presentation/communication skills.

REVOLUTIONS THROUGHOUT HISTORY**1 Semester 1/2 Credit**

Prerequisite: Issues of the 21st Century, required course for Freshman

Students will explore the modern world through conflict, art, science, and innovation. Students will take an in-depth look at the roots of the modern world in the European Renaissance, the

development of modern technology in the Industrial Revolution, the impact of political theory in the Russian Revolution, and the effects of overcoming imperialism in early twentieth century India.

EARTH SCIENCE

1 Semester 1/2 Credit

Prerequisite: None

This program is designed for students who have average to above average skills in arithmetic and reading and an interest in the world around them. Class work will consist of development in critical thinking, problem solving and experimental design. The units of study include mapping, measurement and density, space, earth history, earth system, weather and human impacts.

PHYSICAL SCIENCE

1 Semester 1/2 Credit

Prerequisite: None

This program is designed for students who have average to above average skills in arithmetic and reading and an interest in the world around them. Class work will consist of development in critical thinking, problem solving and experimental design. The units of study include matter and its interactions, motion and stability, energy, waves, and their application.

BIOLOGY

1 Year 1 Credit

Prerequisite: Freshman Standing

This course is a general biology class designed for the student who probably will pursue additional education after high school. This class will meet college entrance requirements. The topics covered during the year include molecules to organisms, ecosystems, heredity and evolution. Homework and laboratory assignments will be used to help students understand the biology of life.

CONSUMER EDUCATION

1 Semester 1/2 Credit

Prerequisite: Senior standing

Consumer Education is a required course which gives students information that allows them to make better use of their consumer dollars. Topics covered in this course include economic systems, advertising, budgets, banking, investing, credit, transportation, housing, insurance, careers and taxes. Through project-based learning, students will monitor the stock market, manage a personal checking/savings account, complete state and federal income tax forms and explore the process of comparison-shopping.

GOVERNMENT AND CIVICS

1 Semester 1/2 Credit

Prerequisite: Senior required course

This course will give the student an opportunity to learn how local, state and the federal governments operate. The student will have an opportunity to learn how to participate in the governmental process, service learning, and other elements of civic involvement. Topics to be emphasized will be American patriotism and government, the rights and civic responsibilities of citizens, current and controversial issues, decision making in the different levels of government, pressure groups and how they operate, and the role of political parties and the voting process. Students will also learn about the U.S. and Illinois Constitutions and the Congressional Medal of Honor. The US and Illinois constitution test will be administered in this course.

DIVISION OF CAREER & TECHNICAL EDUCATION (CTE)

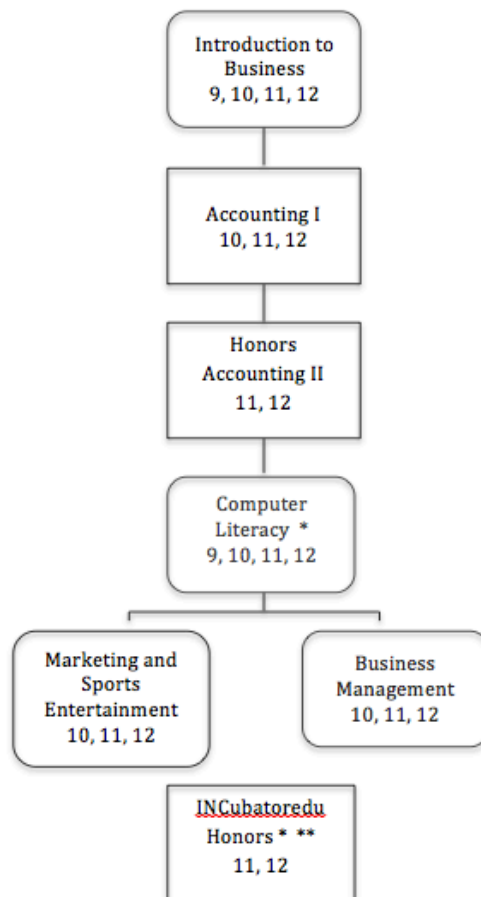
BUSINESS EDUCATION

Possible Sequences of Courses in Business Education Curriculum

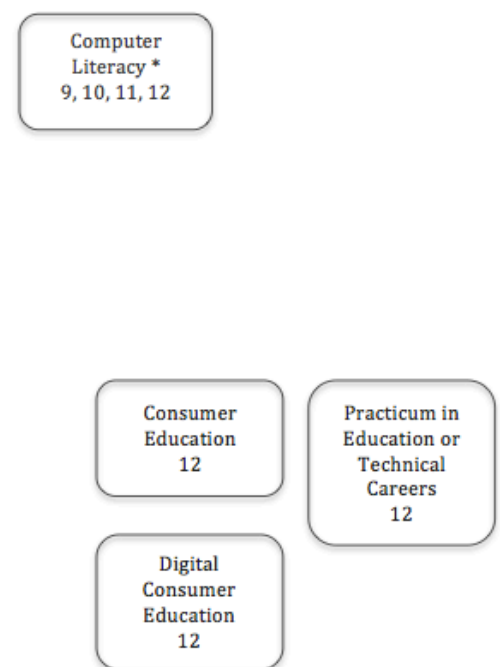
Accounting Emphasis



Marketing Emphasis



Technology Emphasis



* Dual Credit Course through MCC where the credits transfer to most colleges and universities.

** One Year of any Business Electives required.

INTRODUCTION TO BUSINESS**1 Semester 1/2 Credit**

This course is an introduction to the world of business and includes the following topics: business ownership and management, marketing operations, careers in business, basic economic concepts, business ethics, and computer technology. This is a highly recommended course for any student wanting to pursue a career in business or wishing to take additional business courses in high school.

BUSINESS MANAGEMENT**1 Semester 1/2 Credit****Prerequisite: Sophomore, Junior or Senior standing**

Business Management is a semester course that will be a solid foundation for college-bound students or students entering the business world after graduation. Students will gain a clear understanding of the characteristics, organization and operations of business, as well as an understanding of the importance of business and management in our economic system. Topics covered include the business environment, forms of business organizations, legal principles of business, government regulations, business ethics, information and communication systems, financial management, production and marketing management, and human resources management.

MARKETING FOR SPORTS AND ENTERTAINMENT**1 Semester 1/2 Credit****Prerequisite: Sophomore, Junior or Senior standing**

Marketing for Sports and Entertainment is a semester course that covers all aspects of marketing including the general principles of a product, promotion, pricing, market research, branding and licensing, as well as career as they relate to the fields of sports and entertainment. Students will learn about the big business involved in marketing some of the world's greatest names in sports and entertainment. Business simulations will be used in the second half of this course to allow students to apply their marketing knowledge to real situations.

ACCOUNTING I**1 Year 1 Credit****Prerequisite: Sophomore, Junior or Senior standing**

Accounting I is a skill-level course that is of value to all students pursuing a background in business, marketing, and management; however, it also teaches students to maintain their own individual financial records, thus, it is important even for those students not planning any further study in the area. In addition to learning basic fundamentals and terminology of accounting, students will understand the preparation of financial budgets and reports as associated with a sole proprietorship, partnership, and corporation. Accounting computer applications will be integrated throughout the course where applicable. Simulations with business papers will be used to emphasize actual business records management.

HONORS ACCOUNTING II**1 Year 1 Credit****Prerequisite: Accounting I**

This second year course is specifically career oriented. It is planned for the student who is planning on entering college as a Business and/or Accounting major. Units of study will include departmentalized accounting, cost accounting, financial accounting, and managerial accounting. There will be a strong emphasis on the analysis of financial statements for increased business performance and production.

INCUBATOREDU (HONORS) (DUAL CREDIT MCC)

1 Year 1 Credit

Prerequisite: 2 semesters of Business or PLTW Engineering or Comp. Science courses not including Consumer Education.

The INCubatoredu entrepreneurship course is designed to get students excited about becoming true entrepreneurs by giving them the opportunity to create and fully develop their own product or service. Real-world entrepreneurs and business experts will serve as coaches and mentors guiding student teams through the process of ideation, market research, and business model development. Over the course of the year, student teams will learn about marketing, finance, as well as the legal aspects of starting a business. They will have access to a network of professionals to further develop their skills (teamwork, problem solving, presentation, communication) for college and career readiness. The program will culminate with Pitch Week. Pitch Week helps further fire the entrepreneurship spirit by putting student teams in front of actual investors so they can pitch their innovative idea to win funding and turn their wishful thinking into a reality.

COMPUTER LITERACY (DUAL CREDIT MCC)

1 Semester 1/2 Credit

Prerequisite: None

Computer Literacy offers an overview of computer use in a rapidly changing high-tech society. Students get hands-on experience with word processing, spreadsheets, database management, presentation software, Internet use and Windows. Computer components, terminology and ethical considerations in our digital society are also discussed. **Students will be assessed a small fee for the MCC online resources needed to complete the class.** Students will earn 3 MCC credits by earning a "C" or above in this course.

CONSUMER EDUCATION

1 Semester 1/2 Credit

Prerequisite: Senior standing

Consumer Education is a required course which gives students information that allows them to make better use of their consumer dollars. Topics covered in this course include: economic systems, advertising, budgets, banking, investing, credit, transportation, housing, insurance, careers and taxes. Through project-based learning, students will monitor the stock market, manage a personal checking/savings account, complete state and federal income tax forms and explore the process of comparison shopping.

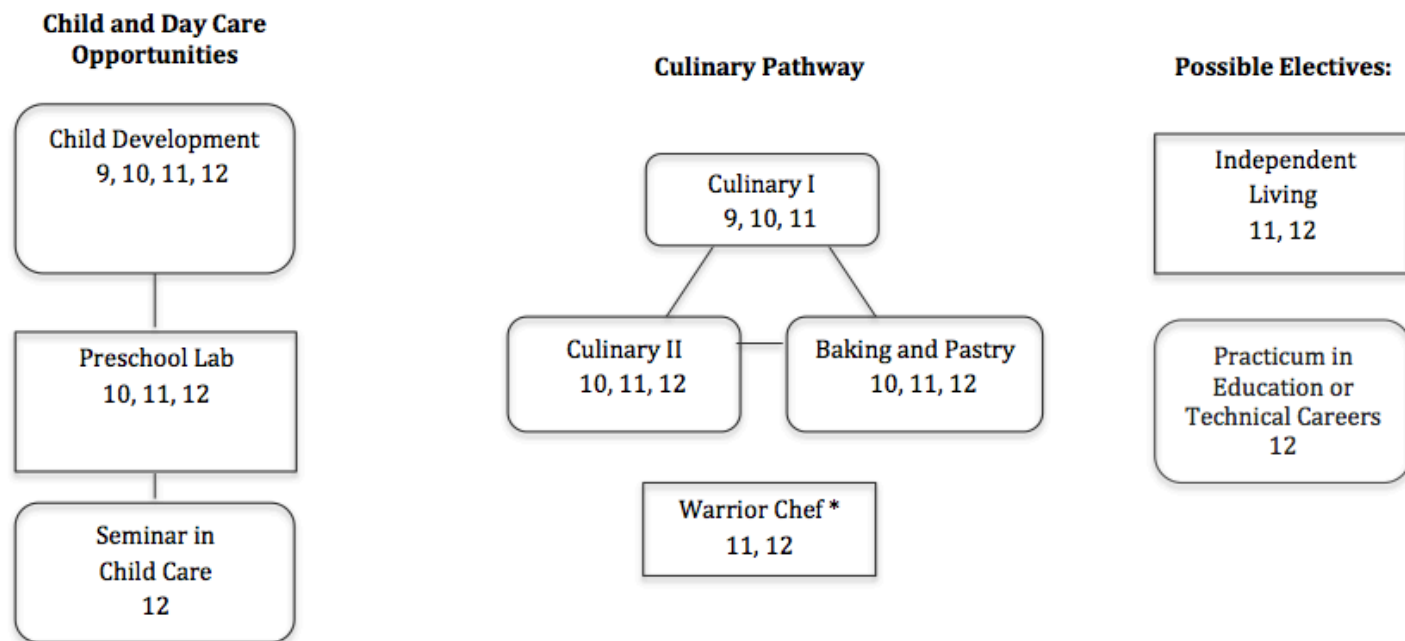
CONSUMER EDUCATION (DIGITAL)

1 Semester 1/2 Credit

Prerequisite: Senior standing. Minimum cumulative GPA of 3.5

This is a fully digital course where students will be responsible for completing all the learning, discussion posts, projects and quizzes on their own. Only highly motivated, independent, and responsible students should consider this course. Digital Consumer Education does not meet during the school day with a teacher; however, there will be a teacher assigned to this class to provide assistance to students as needed. Students will also be required to meet in person for a midterm and final examination. Consumer Education is a required course which gives students information that allows them to make better use of their consumer dollars. Topics covered in this course include: economic systems, investing, money management, credit, housing, transportation, insurance, and taxes.

FAMILY AND CONSUMER SCIENCES (FACS)



* Student must take Culinary II **AND** Baking and Pastry before taking Warrior Chef.

CULINARY ARTS I

1 Semester 1/2 Credit

Prerequisite: Freshman through Junior standing. Students may only take one culinary course per school year.

This course is designed to develop a basic understanding of food principles and knowledge. Included are nutrition, safety, sanitation, meal planning, table setting and service, food preparation, management techniques, and the development of personal qualities needed for employment success. Through classroom experiences, a variety of culinary careers will be explored.

CULINARY ARTS II

1 Semester 1/2 Credit

Prerequisite: Sophomore through Senior standing and Culinary Arts I. Students may only take one culinary course per school year.

This culinary course is designed for students interested in advanced food techniques and gourmet cookery. The students receive laboratory experiences preparing food in quantity, and serving food. Safety and sanitation are emphasized. Students will prepare appetizers, soups, sauces, salads, sandwiches, pasta, meat, poultry, and ethnic foods.

BAKING AND PASTRY

1 Semester 1/2 Credit

Prerequisite: Sophomore through Senior standing and Culinary Arts I. Students may only take one culinary course per school year.

Students will explore the science of baking by practicing techniques essential to the production of a variety of breads, cakes, pies, pastries, candies, and desserts. Students will study cake decorating

and apply basic techniques in plating and food preparation. Culinary professions and food industry occupations are reviewed.

WARRIOR CHEF**1 Year 1 Credit**

Prerequisite: Junior/Senior standing with an application process and Culinary Arts I, Culinary Arts II *AND* Baking and Pastry

This course is designed to provide students interested in a career in food service with the information and practical experiences needed to be successful. Students who take this course are required to complete **and pay for** their Food and Handlers Certificate which will make them marketable in the job industry. Through classroom experiences, a variety of culinary careers will be explored. Opportunities for experiences in quantity food production and service are provided.

CHILD DEVELOPMENT**1 Semester 1/2 Credit**

This course emphasizes learning experiences which help students gain knowledge and understanding of the intellectual, physical, social, and emotional development of children from conception to adolescence. Students will study personality, decision-making, goal setting, family and interpersonal relationships, human reproduction, prenatal health and care of the newborn and toddlers. Childcare career opportunities will be explored.

PRESCHOOL LAB**1 Year 1 Credit**

Prerequisite: Sophomore standing. Introduction to Child Care and Development, or consent of the instructor.

This course is designed to provide students interested in child and daycare occupations with experiences needed for career-related competencies. Students will be provided laboratory experiences in either a school-based or extended-campus facility. Classroom study is concerned with management of the pre-school which is run by the students several days per week.

INDEPENDENT LIVING**1 Year 1 Credit**

Prerequisite: Junior or Senior standing

This course offers a challenging learning opportunity for capable juniors and seniors to study and analyze current consumer topics such as loans, comparison shopping, budgeting, banking, credit, housing, automobiles, and insurance. Extensive use of current events will lead students through a year-long budget project to give them real life experience in living on their own. This course meets the requirements for Consumer Education instruction as required by the School Code of Illinois (Section 27-12.1).

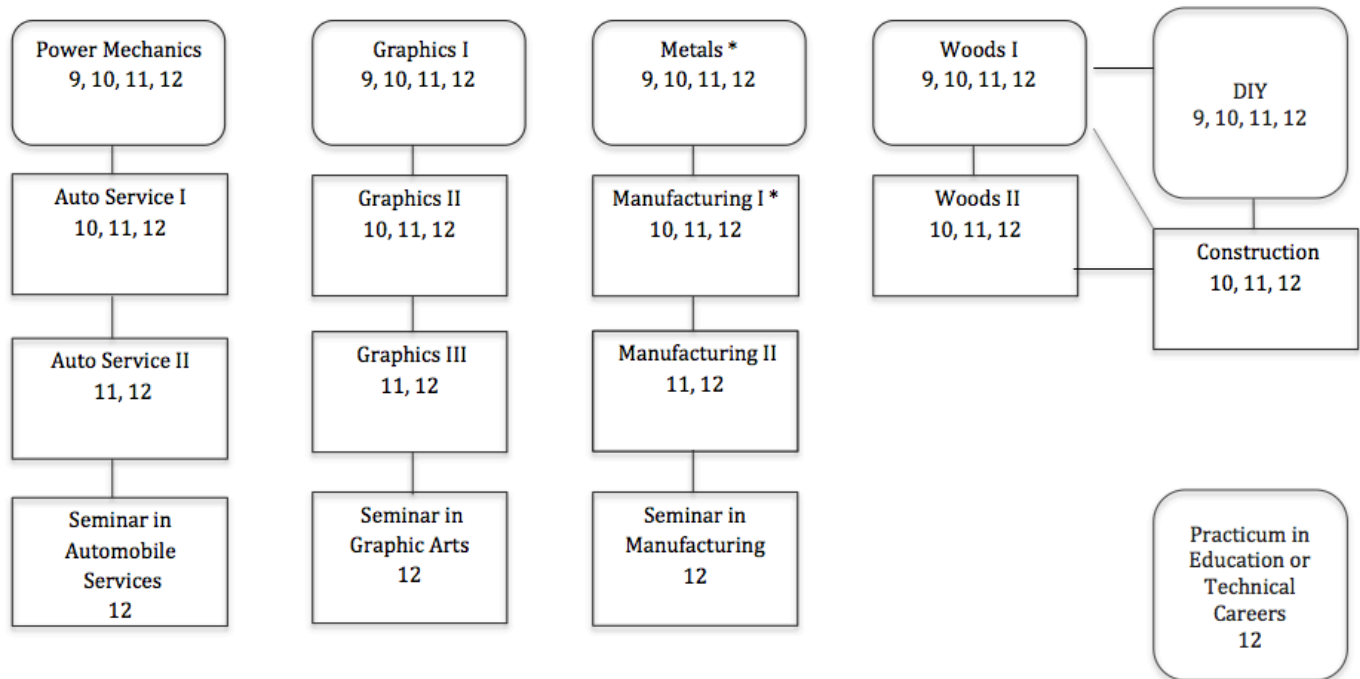
SEMINAR IN CHILD CARE**1 Year 1 Credit or 1 Semester 1/2 Credit**

Prerequisite: Senior standing. Students must have instructor's signature.

This course is designed and approved by instructor for a limited number of senior students who wish to do advanced study in childcare. Areas of concentration will be chosen each semester. Work completed as a lab assistant may be part of the evaluation. Emphasis will be on attainment of maximum growth toward self-set goals, and may include off-campus activities.

INDUSTRIAL TECHNOLOGY

Industrial Tech



* Dual Credit Course through MCC where credits transfer to most colleges and universities.

All Industrial Technology courses include safety education in the curriculum.

In all of the industrial education sequences, it is recommended that the student take as much mathematics as possible.

GRAPHICS I

1 Semester 1/2 Credit

This course provides an introduction to the graphic arts/communications areas of the graphics industry. Students will build specialized skills stressing the areas of design, desktop publishing, digital photography, offset press, screen-printing, vinyl decals, sign making, and web based creations. Students will be introduced to the Adobe Creative Suite and will create projects for their own use as well as assist the District Print Shop production company. This course is designed to prepare a student with entry-level job skills in areas of the printing industry, as well as continuing education in graphic arts/communications.

METALS (DUAL CREDIT MCC)

1 Semester 1/2 Credit

Prerequisite: None

This course is a general metalworking course introducing Precision Machining as it applies to Manufacturing. Students will be introduced to power machinery such as milling machines, lathes and grinders. Related projects and exercises will be provided. Safety will be highly stressed. Courses in Drafting are highly recommended in conjunction with Metals. This is a dual credit course with MCC (IMT-100) and students may receive college credit for this course by meeting the academic criteria.

DIY**1 Semester 1/2 Credit****Prerequisite: None**

This course is designed to give students the opportunity to learn many of the skills necessary to maintain and update a home, condominium, or townhome. Units on plumbing, electrical, drywall, flooring, safety, and others that make up the construction industry will all be covered, giving every student in the class exposure to many different possible and lucrative career paths.

CONSTRUCTION EDUCATION**1 Year 1 Credit****Prerequisite: DIY or Woods I**

Construction Education is a course designed to provide students with an in-depth learning experience based on the many different steps both residential and commercial construction projects. This course will also provide students with multiple career options within the construction industry. From the beginning of a construction project where bidding and estimating jobs are calculated, to finish carpentry where trim and buttoning up a construction project are completed, this class is designed to provide students with knowledge and understanding of the different steps that are taken in the many different disciplines within the construction industry. In this class, students will learn communication skills (both written and oral), mathematics skills, and hands on skills that are vital for success in the construction industry. Construction Education class will provide students exposure to many different disciplines within the construction industry through traditional classroom/shop lessons, job site field trips, guest speakers, and hands on construction projects.

WOODS I**1 Semester 1/2 Credit****Prerequisite: None**

This course will introduce the principles and concepts related to the safe use of hand tools and machine tools in modern woodworking. Additional units of instruction will include wood technology, measurement, wood joints and finishing techniques. This course is project based and students will construct projects throughout the semester. It is recommended that students enroll in Drafting as background information for Woods.

POWER MECHANICS**1 Semester 1/2 Credit****Prerequisite: None**

Power Mechanics is designed to offer a solid background of principles, information and skills in the areas of tools, small engines, measurement and safety. Completion of this course is required for entry into Automotive Services I. Principles, knowledge and skills are developed which apply directly to Automobile Services I and II.

WOODS II**1 Year 1 Credit****Prerequisite: Passing grade in Woods or consent of the instructor**

This course is an advanced woodworking class emphasizing the safe use of hand tools and woodworking machines used in modern woodworking. Additional units of instruction will include wood technology, project design, wood joints, machine techniques, assembly techniques, and finishing operations. Students will learn and improve techniques through a hands-on, project-oriented approach, constructing projects throughout the school year.

AUTOMOBILE SERVICE I

1 Year 1 Credit

Prerequisite: Passing grade in Power Mechanics or consent of the instructor

This course provides students with an introduction to the automotive industry. Students will become acquainted with the major vehicle subsystems and components, identify their function and importance, and learn their service requirements. This general overview course covers shop safety, hazardous materials, basic physics principles, steering, chassis, suspension, brakes, internal combustion engines, electricity, drive train systems, and basic diagnostics. The lab portion of this course offers hands-on experience that reinforces the theories and service procedures presented in the classroom. This course is a prerequisite to Auto Service II.

MANUFACTURING I (DUAL CREDIT MCC)

1 Year 1 Credit

Prerequisite: Passing grade in Metals or consent of the instructor

The first twelve weeks of the course will be lathe operations, SMAW welding, print reading and employability skills. At twelve weeks, students will use their experiences from Metals I and the beginning of this course to determine if they would like to specialize in Welding or Manufacturing. Students will write resumes, put together portfolios and interview for the pathway they prefer. The remainder of the year will be developing skills in that chosen pathway. Using a flipped classroom model, students will have access to course content, tutorial videos and online resources that pertain to their pathway. The instructor will guide both Welding and Manufacturing groups toward industry certifications and assist both groups during the same class period. Certifications will include NIMS Safety, Measurement and Materials, Turning Between Centers and Chucking Skills as well as AWS D1.1 3G Welder Certification and AWS SENSE Modules 1-5. This is a dual credit course with MCC (IMT-100) and students may receive college credit for this course by meeting the academic criteria.

GRAPHICS II

1 Year 1 Credit

This course is an in-depth study of the graphic arts/communications areas of the graphics industry. Specialized skills will be expanded to include multiple color work and using advanced Adobe Creative Suite software in the areas of design, desktop publishing, digital photography, offset press, screen-printing, vinyl decals, sign making, and web based creations. Students will create projects for their own use as well as assist the District's Print Shop production company. This course is designed to prepare a student with entry-level job skills in specialized areas of the printing industry, as well as continuing education in graphic arts/communications.

MANUFACTURING II

1 Year 1 Credit

Prerequisite: Passing grade in Manufacturing I or consent of the instructor

This is an advanced course in Manufacturing or Welding. Students will continue on their pathway from Manufacturing I. The class will be a flipped model, with students utilizing Schoology, online content and coursework, online resources and teacher guidance to work toward industry certification in either Welding or Manufacturing. Manufacturing content will be centered around milling and CNC programming and operations. Welding will be centered around GMAW, GTAW, and Fabrication techniques. Students will be working toward NIMS Manual Milling Skills I, CNC Operator and Milling, Programming, Set-up and Operations certifications for Manufacturing. Students will be working toward AWS D1.1 FCAW 3G Welder certification as well as completing AWS SENSE Level I certification. CTSO competitions will include State Skills USA as well as TMA Machining competitions. Upon completion of the program, students may enroll in a practicum experience with

Year Course	Semester Course
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one of our industry partners or, if in their senior year, they could be placed into an apprenticeship to further their education in the field.

AUTOMOBILE SERVICE II

1 Year 1 Credit

Prerequisite: Passing grade in Automobile Service I or consent of the instructor

This course is available to any student with a satisfactory performance in Automotive Service I. The purpose of the course is to prepare the student for a career in the field of auto mechanics. Students will study suspension, drive-train, air conditioning, engine analysis, volt-amp testing welding principles as applied to the automotive industry and limited engine overhaul. Activities include reading and writing, viewing audio-visual programs, taking local field trips, listening to lecture/demonstrations and shop practice. No body repair work is practiced in this course.

GRAPHICS III

1 Year 1 Credit

This course provides an advanced study of the graphic arts/communications areas of the graphics industry and focuses on occupational preparation and production. Simulated on-the-job experiences from the District's Print Shop production company will provide students with opportunities to enhance their specialized skills. During non-production time students will be expected to work on projects of their choice and produce a portfolio based on their time in the Graphic Arts/Communications Program. This course is designed to prepare a student with entry-level job skills in specialized areas of the printing industry, as well as continuing education in graphic arts/communications.

SEMINAR IN AUTOMOBILE SERVICES

1 Year 1 Credit

SEMINAR IN MANUFACTURING

SEMINAR IN GRAPHIC ARTS

Prerequisite: Senior standing, consent of the instructor, and passed the Level II of the preceding course

These are individual study courses designed for a limited number of senior students who wish to do advanced lab work and career investigation in a subject area. Areas of concentration and requirements will be decided upon by the student and teacher, and a contract will be written for each semester. Student is expected to fulfill the requirements of the contract. Emphasis will be on attainment of maximum growth toward self-set goals.

COMMUNITY SERVICE PROGRAMS

Warrior Opportunities for In-School Service – On Campus

**1 Year 0 Credit
or 1 Semester 0 Credit**

Prerequisite: Minimum Sophomore standing and administrator/instructor's signature

This is a non-credit course available to students to fill a spot on their schedule, create opportunities to work with staff, build character, and encourage students to advance for future service and practicum opportunities. Students will serve as volunteer labor for offices and departments within the District performing such tasks as running passes, sorting papers, delivering mail, filing items, etc. Students will be awarded up to 5 service hours towards the Distinguished Warrior Graduate program. This is a one period experience.

Teacher Assistant in Education and Technical Careers – On Campus

**1 Year 1 Credit
or 1 Semester ½ Credit**

Prerequisite: Minimum Sophomore standing and successful completion of ISICS, Warrior Opportunities for In-School Service, or teacher recommendation

This is a one semester or one-year course designed for students who seek a more rigorous and relevant experience assisting teachers or tech staff members in our schools. Students must meet qualifications and have a teacher signature interested in working with them. Students will be expected to assist with important tasks in education or technical careers such as tutoring or assisting tech staff with essential job functions. Students will be asked to keep a journal of class activities and turn in a culminating assignment. This is a one period experience.

Practicum in Education or Technical Careers – Off Campus

**1 Year 2 Credit
or 1 Semester 1 Credit**

Prerequisite: Senior standing only. Teacher assistant in education and technical careers, as a culmination at the end of a careers class, or with strong teacher recommendation

This is a one semester or one-year course that will seek to place students in real world practical experiences in education or technical careers. The target population is senior students who have a legitimate interest to explore one of the many fields identified. Potential placements for interested and qualified students include elementary or middle schools, preschools or daycares, local restaurants, industries or other businesses associated with our career tracks. Students will have a two period release and will need to maintain qualifications and produce a culminating project or portfolio. This is a two period experience.

DUAL ENROLLMENT COURSES

The following courses are offered at MCC. Some of them will meet during the school day and counselors will attempt to schedule these classes. Students are responsible for tuition, fees, books and transportation to MCC. Interested students must complete the *High School Plus* forms that are available in the counseling office. Some courses will require MCC placement testing to be given at MCC.

Students will receive MCC and high school credit for these courses. Since these are college classes, they will always appear on your college transcripts. Some colleges may or may not grant credit for these courses. Students are responsible to check their college choices. All students attending MCC will be required to fill out a *High School Plus* form available in the counseling office.

BASIC NURSE ASSISTANT (DUAL CREDIT MCC)

**1 Semester 1 Credit
7 MCC Credit Hours**

Prerequisite: Seniors have scheduling priority, 2.0 cumulative Grade Point Average and/or recommendation of counselor

This certification will prepare individuals to assist the licensed Health Care Provider in delivering care in various healthcare settings. This course includes theory, lab practice, and practical components. This course is approved by the Illinois Department of Public Health. Successful completion of this course leads to eligibility to take written Illinois Nurse Assistant/Home Health Aide Competency Exam for employment and certification as a Certified Nurse Assistant (CNA).

CULINARY MANAGEMENT (DUAL CREDIT MCC)

1 Year 2 Credits

Semester 1 introduces students to a commercial kitchen. They learn how to handle knives safely and effectively; identify, operate and maintain kitchen equipment; evaluate recipes and make successful conversions; identify various spices and herbs and cook with them; and identify and demonstrate proper cooking methods. Semester 2 teaches students how to prepare stocks, soups and sauces; identify and cook vegetables; identify and understand the role of starches; identify fruits; cook eggs and other breakfast foods; and prepare hot and cold sandwiches. The course also emphasizes employability and presentation skills.

NOTE: MCC chef's uniform (coat, pants and shoes) is required for this course.

FIRE SCIENCE, EMERGENCY MEDICAL SERVICE, AND CRIMINAL JUSTICE (DUAL CREDIT MCC)

**1 Semester 1 Credit
10 MCC Credit Hours**

Prerequisite: Second Semester Senior standing, 2.0 cumulative Grade Point Average, and good attendance. This is a one-semester course offered at MCC during the spring semester of senior year. The time slot for the program is 7:00am–9:00am, Monday through Friday.

Upon successful completion of the First Responder Emergency Aid course, students receive a certificate from the Illinois Department of Public Health as a First Responder in an emergency situation. After completion of the three courses, students will have the option of taking additional courses in the Emergency Medical services, Fire Science, or Criminal Justice programs at MCC.

FITNESS INSTRUCTION TRAINING (DUAL CREDIT MCC)**1 Year 2 Credits****12 MCC Credit Hours**

Prerequisite: Junior or Senior standing, good communication skills, and 2.0 cumulative Grade Point Average

This certification will lead to an entry-level position for fitness instruction. This class is for students who appreciate a healthy lifestyle and would like to encourage this for others.

HONORS COLLEGE COMPOSITION/ENGLISH 151 (DUAL CREDIT MCC)**1 Semester 1/2 Credit****3 MCC Credit Hours**

Prerequisite: Senior standing, successful completion of the MCC placement test, consent of the instructor

This course offers seniors the opportunity to earn three college credits while earning a semester of high school English credit. The curriculum is the same as College Composition. Students must register at MCC, as well as pay MCC tuition and fees, including the textbook. Upon completion, students will be issued grades for both the high school and college transcripts. This course is taught at MCC.

HONORS COLLEGE COMPOSITION/ENGLISH 152 (DUAL CREDIT MCC)**1 Semester 1/2 Credit****3 Hours MCC Credit**

Prerequisite: Completion of Honors College Composition 151 with a C or higher

College Composition 152 Honors is a dual credit course offered through McHenry County College. Students receive college credit if they earn a C or higher in the course. College Composition 152 Honors builds on the knowledge and skills gained in College Composition 151 Honors. Students continue to practice essay writing with a focus on research papers supported by scholarly evidence, as well as the critical analysis of literature. This course requires advanced reading and advanced writing.

HONORS FRENCH IV / FRENCH 151 and 152 (DUAL CREDIT MCC)**1 Year 1 Credit**

Prerequisite: Satisfactory work in French III, or consent of the instructor

Students will have the opportunity to develop their fluency in speaking French through discussions based on literary selections or magazine articles. The students will further develop grammatical skills by writing short compositions. There is a continued development and refinement of the four basic skills: listening, speaking, reading, and writing. A grammar text containing reinforcement exercises in all four areas will be used. The student should also be aware that much of the course content is presented in French. This capstone course is offered in conjunction with MCC as a dual credit course. Students will earn college credit with a grade of C or higher.

HONORS GERMAN IV / GERMAN 151 AND 152 (DUAL CREDIT MCC)**1 Year 1 Credit**

Prerequisite: Successful completion of German III, or consent of the instructor

The grammatical forms and vocabulary needed for formal writing are taught. Contemporary cultural material is used for the enlargement and enrichment of vocabulary, and as a basis for oral work and written composition in German. The textbook material will be enhanced through authentic materials. The students should be aware that much of the course content is presented in German. This capstone course is offered in conjunction with MCC as a dual credit course. Students will earn college credit with a grade of C or higher.

MANUFACTURING I (DUAL CREDIT MCC)**1 Year 1 Credit****Prerequisite: Passing grade in Metals or consent of the instructor**

The first twelve weeks of the course will be lathe operations, SMAW welding, print reading and employability skills. At twelve weeks, students will use their experiences from Metals I and the beginning of this course to determine if they would like to specialize in Welding or Manufacturing. Students will write resumes, put together portfolios and interview for the pathway they prefer. The remainder of the year will be developing skills in that chosen pathway. Using a flipped classroom model, students will have access to course content, tutorial videos and online resources that pertain to their pathway. The instructor will guide both Welding and Manufacturing groups toward industry certifications and assist both groups during the same class period. Certifications will include NIMS Safety, Measurement and Materials, Turning Between Centers and Chucking Skills as well as AWS D1.1 3G Welder Certification and AWS SENSE Modules 1-5. This is a dual credit course with MCC (IMT-100) and students may receive college credit for this course by meeting the academic criteria.

METALS (DUAL CREDIT MCC)**1 Semester 1/2 Credit****Prerequisite: None**

This course is a general metalworking course introducing Precision Machining as it applies to Manufacturing. Students will be introduced to power machinery such as milling machines, lathes and grinders. Related projects and exercises will be provided. Safety will be highly stressed. Courses in Drafting are highly recommended in conjunction with Metals. This is a dual credit course with MCC (IMT-100) and students may receive college credit for this course by meeting the academic criteria.

COMPUTER LITERACY (DUAL CREDIT MCC)**1 Semester 1/2 Credit****Prerequisite: None**

Computer Literacy offers an overview of computer use in a rapidly changing high-tech society. Students get hands-on experience with word processing, spreadsheets, database management, presentation software, Internet use and Windows. Computer components, terminology and ethical considerations in our digital society are also discussed. **Students will be assessed a small fee for the MCC online resources needed to complete the class.** Students will earn 3 MCC credits by earning a "C" or above in this course.

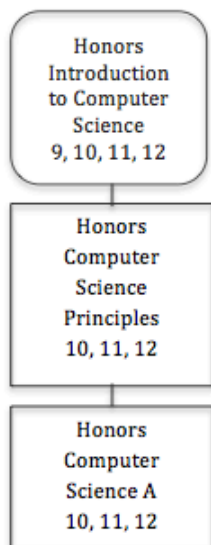
INCUBATOREDU (HONORS) (DUAL CREDIT MCC)**1 Year 1 Credit****Prerequisite: 2 semesters of Business or PLTW Engineering or Comp. Science courses not including Consumer Education.**

The INCubatoredu entrepreneurship course is designed to get students excited about becoming true entrepreneurs by giving them the opportunity to create and fully develop their own product or service. Real-world entrepreneurs and business experts will serve as coaches and mentors guiding student teams through the process of ideation, market research, and business model development. Over the course of the year, student teams will learn about marketing, finance, as well as the legal aspects of starting a business. They will have access to a network of professionals to further develop their skills (teamwork, problem solving, presentation, communication) for college and career readiness. The program will culminate with Pitch Week. Pitch Week helps further fire the entrepreneurship spirit by putting student teams in front of actual investors so they can pitch their innovative idea to win funding and turn their wishful thinking into a reality.

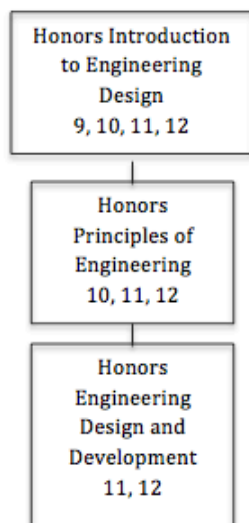
PROJECT LEAD THE WAY (PLTW)



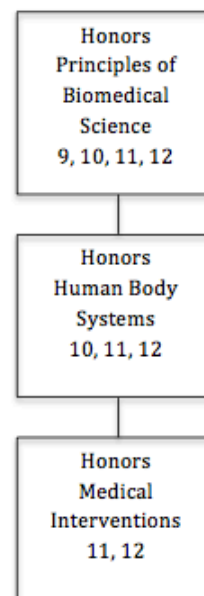
PLTW Computer Science



PLTW Engineering Emphasis



Biomedical



HONORS INTRODUCTION TO COMPUTER SCIENCE (PLTW)

1 Semester 1/2 Credit

Prerequisite: None

Introduction to Computer Science (ICS) is designed as a half-year high school course in Project Lead the Way (PLTW). In each module, student teams create an Android® interface to solve a problem the team defines. Students learn fundamental computer science (CS) concepts using MIT App Inventor. The course aims to develop computational thinking and build student excitement. Several days in each module are targeted to build career awareness about computing skills in all fields and to improve students' cyber hygiene.

HONORS COMPUTER SCIENCE PRINCIPLES (PLTW)

1 Year 1 Credit

Prerequisite: Introduction to Computer Science or consent of the instructor

Using Python® as a primary tool and incorporating multiple platforms and languages for computation, this course aims to develop computational thinking, generate excitement about career paths that utilize computing, and introduce professional tools that foster creativity and collaboration. Computer Science Principles helps students develop programming expertise and explore the workings of the Internet. Projects and problems include app development, visualization of data, cybersecurity, and simulation. PLTW is recognized by the College Board as an endorsed provider of curriculum and professional development for AP® Computer Science Principles (AP CSP). This endorsement affirms that all components of PLTW CSP's offerings are aligned to the AP Curriculum Framework standards and the AP CSP assessment. This course will lead to future courses in PLTW-Computer Science coming in 2019-20.

HONORS COMPUTER SCIENCE A (PLTW)**1 Year 1 Credit****Prerequisite: Successful completion of Honors Computer Science Principles**

Computer Science A focuses on further developing computational-thinking skills through the medium of Android™ App development for mobile platforms. The course utilizes industry-standard tools such as Android Studio, Java™ programming language, SML, and device emulators. Students collaborate to create original solutions to problems of their own choosing by designing and implementing user interfaces and web-based databases. This course aligns with the AP CS A course.

HONORS INTRODUCTION TO ENGINEERING DESIGN (PLTW)**1 Year 1 Credit****Prerequisite: Student should be enrolled in college preparatory mathematics and science courses**

IED exposes students to a design process, professional communication and collaboration methods, design ethics, and technical documentation. It gives students the opportunity to develop skills in research and analysis, teamwork, technical writing, engineering graphics, and problem solving through activity, project, and problem-based learning. This is a hands-on, real-world problem-solving approach to learning. Students learn and apply the design process, acquire strong teamwork and communication proficiency, and develop organizational, critical-thinking, and problem-solving skills. Using math, science and technology concepts, they will discover the answers to questions of how things are made and what processes go into creating products. Students will use the same industry-leading 3D design software as major companies. They will explore aerodynamics, astronautics, and space life sciences. Students will apply biological and engineering concepts related to biomechanics (robotics). Students will design, test, and construct circuits and devices such as smart phones and tablets while working collaboratively on culminating a capstone project.

HONORS PRINCIPLES OF ENGINEERING (PLTW)**1 Year 1 Credit****Prerequisite: Successful completion of Honors Introduction to Engineering Design**

Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. This course is the second in the series of three that is the intended path for pre-engineering students at McHenry. This series of classes not only prepares students for the rigors of college engineering curriculum and workplace expectations but also serves as a career exploration and selection tool.

HONORS ENGINEERING DESIGN AND DEVELOPMENT (PLTW)**1 Year 1 Credit****Prerequisite: Successful completion of Honors Principles of Engineering**

This course is the third in the series of three that is the intended path for pre-engineering students at McHenry. This series of classes not only prepares students for the rigors of college engineering curriculum and workplace expectations but also serves as a career exploration and selection tool. Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.

HONORS PRINCIPLES OF BIOMEDICAL SCIENCE (PLTW)**1 Year 1 Credit****Prerequisite: Freshman through Senior standing. Strong interest in medical fields and concurrent enrollment in required science courses (if applicable).**

In the introductory course of the PLTW Biomedical Science program, students explore concepts of biology and medicine to determine factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems.

HONORS HUMAN BODY SYSTEMS (PLTW)**1 Year 1 Credit****Prerequisite: Sophomore through Senior standing. Strong interest in medical fields and successful completion of Honors Principles of Biomedical Science (C or higher). Students are also expected to be concurrently enrolled in a second year science class.**

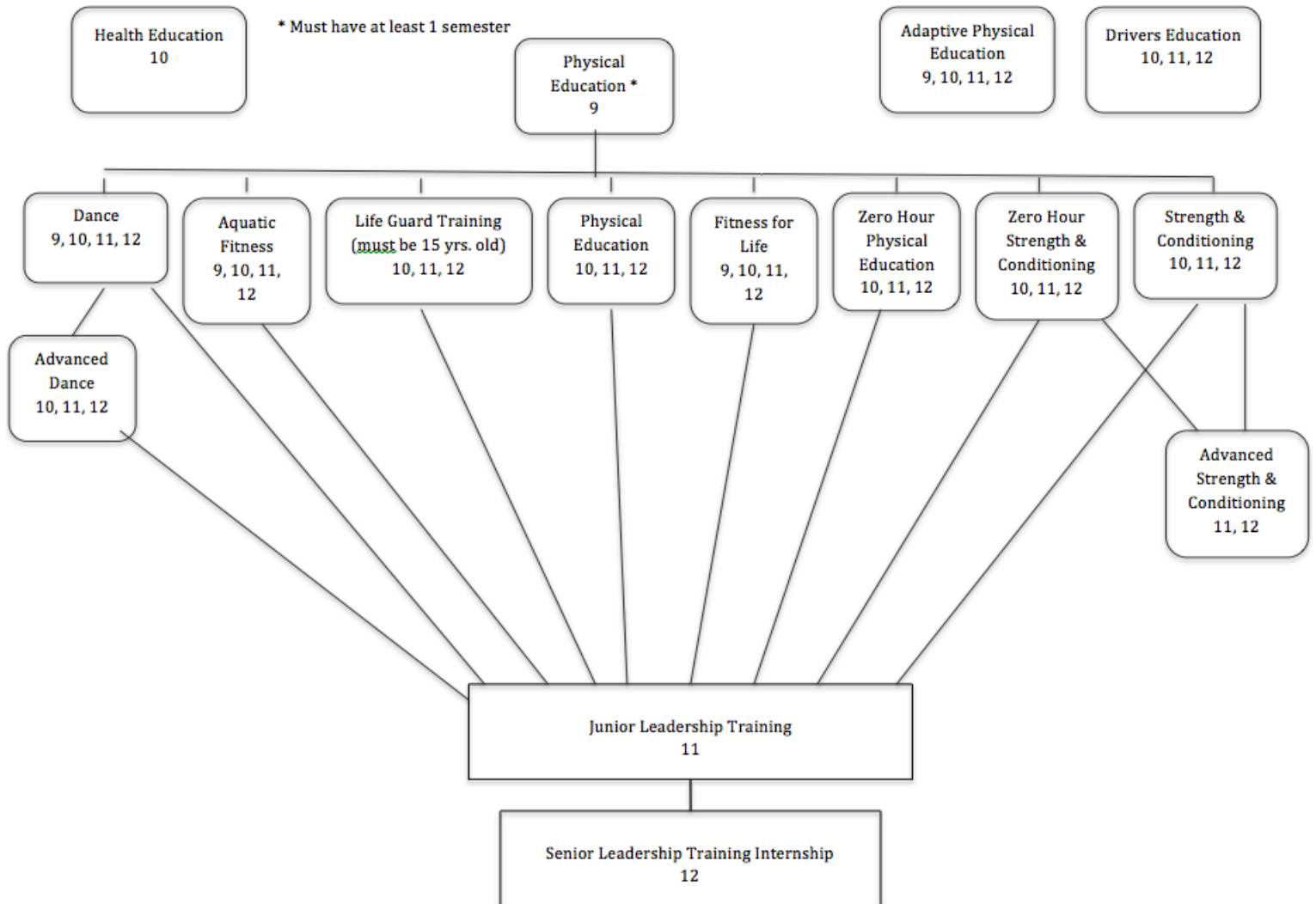
In this second course of the biomedical sequence, students will examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis in the body. Exploring science in action, students will build organs and tissues on a skeletal Maniken®, use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration, and take on the roles of biomedical professionals to solve real-world medical cases.

HONORS MEDICAL INTERVENTIONS (PLTW)**1 Year 1 Credit****Prerequisite: Junior or Senior standing. Strong interest in medical fields and successful completion of both Honors Principles of Biomedical Science (C or higher) and Human Body Systems (C or higher). Students are also expected to be concurrently enrolled in a third year science class.**

In this third course in the PLTW sequence, students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection, screen and evaluate the code in human DNA, evaluate cancer treatment options, and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics.

DIVISION OF PHYSICAL EDUCATION, HEALTH, & DRIVERS EDUCATION

PHYSICAL EDUCATION / DRIVERS ED / HEALTH



PHYSICAL EDUCATION**1 Semester 1/2 Credit**

Physical Education addresses a health need for students to be physically active on a daily basis. Students are expected to actively participate in a variety of three-week activities that include team sports, individual sports, aquatics, dance, and fitness. Basic skill development and reinforcement of skills is emphasized. Through their high school experience in physical education, students should gain the knowledge necessary to develop their own personal exercise plan. The goal of physical education is for students to develop positive attitudes toward keeping physically active on a daily basis in their adult lives. Internet safety instruction occurs in this class as well as safety instruction in the event of bus evacuation.

PHYSICAL EDUCATION – OR – STRENGTH OPTION (ZERO HOUR)**1 Semester 1/2 Credit****Prerequisite: Sophomore, Junior or Senior Standing**

This course is designed for students who desire to take physical education *OR* strength and conditioning earlier in the morning to allow for a greater number of electives in their schedule. Fitness testing will be conducted each semester. Seniors will have first priority in registering for this class. Zero Hour Course will not meet on Wednesdays/Early Release dates. Therefore, the length of the class time is longer each of the four class periods to equal the same number of minutes as a class meeting during the traditional school day. **Students MUST have the ability to get to school without the use of bus transportation.**

ADAPTIVE PHYSICAL EDUCATION**1 Semester 1/2 Credit****Prerequisite: Consent of the counselor and the LM Program Department**

Adaptive Physical Education is designed to meet the individualized needs of the participants. Students are recommended for this course. The purpose of the course is to teach both fundamental physical skills and recreational sports. Internet safety instruction occurs in this class as well as safety instruction in the event of bus evacuation.

FITNESS FOR LIFE**1 Semester 1/2 Credit****Prerequisite: Freshman, Sophomore, Junior or Senior standing**

This course is designed to provide students an opportunity to demonstrate both individual and cooperative skills while participating in structured physical activities in the areas of aerobics, strength training, muscle balance, nutrition, and flexibility. Activities such as kickboxing, Pilates, plyometrics, weight training, swimming, yoga, and running are among some of the options that will be considered. Students in this class will be expected to prepare a personal fitness plan while maintaining regular goal setting and journaling.

STRENGTH AND CONDITIONING**1 Semester 1/2 Credit****Prerequisite: Sophomore, Junior or Senior standing**

Students will be instructed in basic lifting techniques and safety. Pre and post-tests will be performed in both strength and cardiovascular conditioning. Students will participate in strength training and cardiovascular conditioning. These activities may include: running, swimming, or circuit training. Students will learn how to design their own workouts to achieve desired results and will keep track of their performance in order to reach personal goals.

ADVANCED STRENGTH AND CONDITIONING**1 Semester 1/2 Credit****Prerequisite: Junior or Senior Standing. Completed a Strength Class and approval by PE Teacher.**

This class is designed for Junior/Senior students that have already completed (at least) one semester of Strength and Conditioning and a recommendation from their Strength and Conditioning teacher. The setup of this class is for students who want to enhance their personal focus on fitness and for those participating in extracurricular athletics, as a way to best serve their specific sport/activity needs. Instruction and workouts can/will vary depending on the type of activity and fitness level the student is training for. Students must expect high intensity workouts and instruction suited for dedicated participants.

DANCE**1 Semester 1/2 Credit****Prerequisite: Freshman, Sophomore, Junior or Senior standing**

Dance is an introduction to dance history, beginning dance techniques, movement exploration, dance composition, and cooperative learning. The students will perform in the PE Dance showcase(s). They will participate in dances choreographed by the course instructor.

ADVANCED DANCE**1 Semester 1/2 Credit****Prerequisite: Dance and application**

The students in Advanced Dance will further develop their current dance background by receiving advanced skill technique training, advanced flexibility and strengthening workouts and choreography development training. Advanced skills include: Double/triple pirouettes, capezio/calypso, c-jump, turning c-jump, grand jete a la seconde, fouettes a la secondes, toe touch, and turning disk. Advanced flexibility and strengthening workouts include ballet barre and center work, free weights and thera-bands. Choreography training will include the basic elements of a dance: shape, space, time and energy, inspiration and choreography documentation. The students will perform in PE Dance showcases. They will participate in dances choreographed by the course instructor as well as dances choreographed by their peers.

DRIVER EDUCATION**1 Semester Course****Prerequisite: Completion of Freshman year. Must have passed at least 8 courses during the 2 previous semesters.**

The major objective of this course is to teach students to safely operate a motor vehicle, including but not limited to instruction on defensive driving, distractions and driving, and drinking and driving. The two phases, Classroom and Driving, are taken during the same semester (or summer). Students are scheduled by birth date so that the youngest sophomores will be taking the entire course during the summer.

Course Fee: \$75**HEALTH EDUCATION****1 Semester 1/2 Credit****Prerequisite: Sophomore standing**

Every sophomore must take Health Education as a requirement for graduation. Units of study to be covered are: overall health and wellness, nutrition, exercise and fitness, tobacco and alcohol, anabolic steroids, cancer instruction, violence prevention and conflict resolution, drug and drug abuse, disease and illness, abstinence, reproduction and pregnancy, sexual assault awareness,

internet safety, and safety and first aid. Basic facts and practical skills needed to stay healthy are presented.

LIFEGUARD TRAINING

1 Semester 1/2 Credit

Prerequisite: Sophomore, Junior or Senior standing. Must be 15 years old by the end of the semester and successfully pass the skills test.

Lifeguarding is designed for students who want to pursue a job as a lifeguard. Students will learn water rescue techniques, first aid, CPR for the professional rescuer and how to use an AED. Students will complete the swimming skills test during the first weeks of class. The skills test includes: swimming 300 yards continuously demonstrating breath control and rhythmic breathing using front crawl and breaststroke, treading water for 2 minutes using only the legs, and a 20 yard swim to retrieve a 10 lb. object from 7-10 feet of water then swim 20 yards back to the starting point with the object. Students must pass these requirements to become certified. Students who do not pass the skills tests required for certification can stay in class for credit, but will not qualify for certification. The course fee of \$60.00 covers certification costs, supplies and instructional materials. Successful completion of this course will result in the student being a Red Cross Certified LifeGuard.

Course fee: \$60

AQUATIC FITNESS

1 Semester 1/2 Credit

Prerequisite: Freshman, Sophomore, Junior or Senior standing

This course is designed to provide students with a personalized swim fitness program with swimming workouts, games and activities in the pool in place of a traditional curriculum program.

PE LEADERSHIP PROGRAM

2 Years 2 Credits

Prerequisite: Enrollment by application and recommendation only. This is a two-year course:

Year 1 (Junior Year) – Training Experience

Year 2 (Senior Year) – Internship Experience

The McHenry High School Physical Education Department offers a leadership program for juniors and seniors. The Physical Education Leadership curriculum is supportive of our PE Department's department goal, *"Encouraging students towards the development of lifelong fitness skills and a practical understanding of a healthy lifestyle!"* The PE Leadership Program is an elective two-year course designed to provide a comprehensive curriculum of activity-based leadership principles, team-building activities and cooperative-based learning strategies. Students will have an opportunity to explore leadership roles, build positive and respectful relationships with peers and teachers, demonstrate skills and acquire knowledge related to the field of physical education. Students will gain an advanced knowledge in the area of physical education, first aid & accident prevention, and leadership principles. The course also provides an opportunity for peer teaching and mentoring, as well as off-site teaching and mentoring experiences. Junior Leaders train one full year prior to their Senior Leadership Internship Experience.

DIVISION OF SPECIAL EDUCATION

The Special Education department operates under federal and state regulations with regard to Special Education programs and services. Student involvement in the various programs and/or services provided by the Special Education department, is determined by a staffing process in which all relevant educational, psychological, and social history regarding a student is reviewed and a placement decision, involving parent input, is made. An Individual Educational Plan (I.E.P.) is then developed for that pupil. The Special Education staff will work to assist a student to be successful in the Least Restrictive Environment.

ENGLISH I, II, III, IV

1 Year 1 Credit

Prerequisite: Consent of the Special Education Department

These classes will emphasize the basics of spelling, grammar, vocabulary, research, speech/communication and reading comprehension. Novels and short stories will be required and presented orally to increase reading and comprehension skills. Writing assignments will be emphasized throughout the year. Research papers and presentations may also be required at some levels and students will learn about available Media and Library Services.

READING

1 Year 1 Credit

Prerequisite: Consent of the Special Education Department

This course is designed to assist students struggling with reading. It is to be taken in addition to English. Instruction will focus on developing skills to improve reading including: vocabulary, phonetic awareness, fluency, decoding, comprehension and reading with technology. This course does not fulfill the English requirement.

GENERAL MATH WITH GEOMETRY CONCEPTS

1 Year 1 Credit

Prerequisite: Consent of the Special Education Department. This course does not qualify as a core course for the purposes of NCAA eligibility.

This course is designed for students who are not ready for Pre-Algebra and need a basic understanding of mathematics concepts and operations. Students will review basic math skills and study basic math skills and study basic concepts of whole numbers, decimals, fractions, and percentages related to everyday situations helping students connect math instruction with practical application.

ALGEBRA I-A

1 Year 1 Credit

Prerequisite: Consent of the Special Education Department

This course will cover in one year what a traditional algebra course would cover in one semester. The slower pace of the course is combined with a more simplified approach to traditional Algebra I topics. Topics that will be included in the first part of this course are variables, exponents, equations, and operations involving positive and negative numbers like terms. First semester will also include solving equations, linear equations as well as ratios and percentages. Second semester

will extend the concepts learned first semester and will include graphing linear equations, forms of linear equations, and ending with solving and graphing inequalities, and systems of linear equations with an emphasis on substitution and elimination.

ALGEBRA I-B

1 Year 1 Credit

Prerequisite: Consent of the Special Education Department

This course will cover in one year what a traditional algebra course would cover in one semester. The slower pace of the course is combined with a more simplified approach to traditional Algebra I topics that are typically taught in the second semester of an Algebra I course. Topics that will be included in the first part of this course are systems of linear equations and inequalities, properties of exponents and exponential functions, simplifying radicals and topics involving quadratic functions. Topics covered in the second semester include operations involving polynomials, factoring polynomials, operations involving rational expressions and equations, radical equations, and Pythagorean Theorem (includes distance formula, midpoint formula).

PRE-ALGEBRA

1 Year 1 Credit

Prerequisite: Consent of the Special Education Department

This course is designed for students who are not ready for Algebra 1. Students will develop their mathematics skills to prepare them for Algebra 1 by focusing on: algebraic foundations, solving linear equations, exponents, graphing linear equations, writing linear equations, solving and analyzing linear systems, solving and graphing inequalities, and interpreting and analyzing data. Daily assignments requiring time outside of class will be expected of all students.

ALGEBRA I

1 Year 1 Credit

Prerequisite: Consent of the Special Education Department

This course is for students who have successfully completed Pre-Algebra and are ready for Algebra I, but learn better in a small group setting. Students will study the structure of mathematics and the methods for working with signed numbers, equations, inequalities, polynomials, factoring, graphs, radicals, and applications of algebra.

GEOMETRY

1 Year 1 Credit

Prerequisite: Consent of the Special Education Department

This course is designed to teach the basic concepts of geometry in a step-by-step approach. Students will study right triangles, parallel lines, quadrilaterals, perimeter and area, congruent figures, similar figures, and circles. Emphasis is placed on instruction using a variety of modalities. Manipulatives are used to provide tactile/kinesthetic activities promoting concept mastery.

BIOLOGY

1 Year 1 Credit

Prerequisite: Consent of the Special Education Department

This course is designed for students who need individual attention to their specific learning style. Topics covered during the year include molecules to organisms, ecosystems, heredity and evolution. Students will be involved in laboratory experiments, reading assignments, and group discussion.

EARTH SCIENCE

1 Year 1 Credit

Prerequisite: Consent of the Special Education Department

This course is designed to increase student knowledge in areas of mapping, measurement and density, space, earth history, earth system, weather, and human impacts. Students will be involved in projects, reading assignments, class discussions, and writing assignments.

PHYSICAL SCIENCE

1 Year 1 Credit

Prerequisite: Consent of the Special Education Department

This course is designed for students who have an interest in the world around them. Class work will consist of development in critical thinking, problem solving and experimental design. The units of study include matter and its interactions, motion and stability, energy, waves, and their application.

WORLD HISTORY

1 Year 1 Credit

Prerequisite: Consent of the Special Education Department

This course is designed to increase student learning about important issues facing our country and world today through the use of media, primary source documents, personal experiences in order to make them more aware members of our society. Students will also explore the development of ancient empires and/or the modern world through conflict, art, science, and innovation.

HEALTH

1 Semester 1/2 Credit

Prerequisite: Consent of the Special Education Department

Every student must take Health Education as a requirement for graduation. Units of study include overall health and wellness, nutrition, exercise and fitness, tobacco and alcohol, anabolic steroids, cancer instruction, violence prevention and conflict resolution, drug and drug abuse, disease and illness, abstinence, reproduction and pregnancy, sexual assault awareness, internet safety, and safety and first aid. Basic facts and practical skills needed to stay healthy are presented.

CAREERS

1 Semester 1/2 Credit

Prerequisite: Consent of the Special Education Department

This course will concentrate on transition planning for students in the Special Education department. Topics covered will include careers, resumes, portfolios, applications, and interview skills. Students will be required to address goals related to post-secondary education and/or training.

U.S. HISTORY

1 Year 1 Credit

Prerequisite: Consent of the Special Education Department

The successful completion of this course is needed to meet graduation requirements. The course will begin with the discovery, exploration and settlement of the North American continent and continue through time to the present. Focus will be placed on the development of the American economic system, the growth of the American political system, including American patriotism and government, the changing American social structure, and the reflection of these in contemporary American values, including the contributors, ethnic groups, and the history of blacks in America and women in history. In addition, the course will provide instruction in the Holocaust and genocide.

CONSUMER EDUCATION**1 Semester 1/2 Credit****Prerequisite: Consent of the Special Education Department**

Consumer Education is a required course which gives students practical information about a variety of consumer topics. Topics covered in this course include economic systems, banking budgets, credit, investing, careers, and taxes through project-based learning.

GOVERNMENT AND CIVICS**1 Semester 1/2 Credit****Prerequisite: Consent of the Special Education Department**

This course will give students an opportunity to learn how local, state, and the federal governments operate. Topics to be emphasized will be American patriotism and government, the rights and civic responsibilities of citizens, current and controversial issues, decision making in the different levels of government, pressure groups and how they operate, and the role of political parties and the voting process. Students will also learn about the US and Illinois Constitutions and the Congressional Medal of Honor. The US and Illinois Constitution test will be administered in this course.

SELF-AWARENESS**1 Year 1 Credit****Prerequisite: Consent of the Special Education Department**

Self-Awareness is designed to study intellectual, social, and emotional well-being of the student. Activities are designed to maximize student growth through development of intrapersonal and self-management skills.

TEACHER ASSISTANT IN EDUCATION AND TECHNICAL CAREERS**1 Semester 1/2 Credit
or 1 Year 1 Credit****Prerequisite: Consent of the Special Education Department**

This course is designed to create character building and work-related experiences by providing vocational training opportunities for students. Tasks required of students will depend on placement and assigned responsibilities.

STRATEGIES FOR LEARNING**1 Semester 1/2 Credit****Prerequisite: Consent of the Special Education Department**

This course is offered to students requiring assistance in the development of learning strategies for success in their core curriculum subjects. Students focus on strategies in study skills, note-taking, and test-taking. Literacy strategies including vocabulary development are also incorporated into the curriculum. Skills taught in this course are integrated with the students' required subjects by developing activities that incorporate the learning activities and assignments that the students receive from their other instructors. The purpose of this course is to help students develop effective study skills and a positive self-concept.

PATHWAYS TO SUCCESS**1 Semester 1/2 Credit****Prerequisite: Consent of the Special Education Department "Pass / No Credit" grade only**

PATHWAYS TO SUCCESS is designed to prepare incoming freshmen for the challenges and opportunities presented upon entering high school. As part of the class, students will learn helpful study skills that apply across subjects. They will be exposed to a self-awareness curriculum that invites exploration and encourages self-advocacy. This course will also familiarize students with using the district provided technology and other platforms they will be exposed to throughout their academic career including the topic of digital responsibility. Finally, the class will provide an

Year
Course

Semester
Course

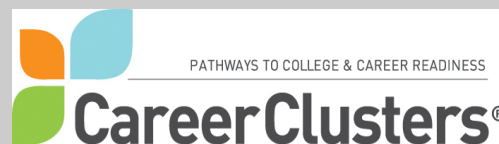
opportunity for students to share, collaborate, and interact with peers as they learn school policies, rules, and social norms.





McHenry Community High School Curriculum

Career Clusters & Pathways Guide




Agriculture, Food, and Natural Resources	Hospitality and Tourism
Architecture and Construction	Human Services
Arts, A/V, Technology, and Communication	Information Technology
Business Management and Administration	Law, Public Safety, Corrections, and Security
Education and Training	Manufacturing
Finance	Marketing
Government and Public Administration	Science, Technology, Engineering, and Mathematics
Health Sciences	Transportation, Distribution, and Logistics

[Link to NCAA Eligibility](#)

[Link to College Admission Requirements](#)

Pathway Four Year Planning Guide

	Pathway Courses	Other Related Courses	English	Math	Science	Social Science	Lunch	Physical Education	Summer Enrichment
Year 1	Elective	Elective	1st Year English	1st Year Math	1st Year Science	Issues of the 21st Century or APHUG	Lunch	Freshman PE	
Year 2	Elective	Elective	2nd Year English	2nd Year Math	2nd Year Science	World History	Lunch	PE/ Health	
Year 3	Elective	Elective	3rd Year English	3rd Year Math	3rd Year Science	US History	Lunch	PE	
Year 4 *	Elective	Elective	4th Year English	Elective	Elective	Gov't	Lunch	PE	

Additional Requirements: Drivers Education (10/11) and Consumers Education (12)



Career Cluster: Agriculture, Food, & Natural Resources



The **Agriculture, Food, & Natural Resources Career Cluster** prepares learners for careers in the planning, implementation, production, management, processing, and/or marketing of agricultural commodities and services, including food, fiber, wood products, natural resources, horticulture, and other plant and animal products. It also includes related professional, technical, and educational services.

Cluster Pathways: Agribusiness Systems; Animal Systems; Environmental Service Systems; Food Products and Processing Systems; Natural Resources Systems; Plant Systems; Power, Structural, Technical Systems Architecture and Construction

Advanced Placement, Dual Credit, & Capstone Courses

- ☐ AP Biology
- ☐ AP Chemistry
- ☐ AP Environmental Science
- ☐ AP Human Geography
- ☐ Culinary Management at MCC
- ☐ Practicum in Education and Technical Careers
- ☐ Warrior Chef

Other Related Courses

- ☐ Baking and Pastry
- ☐ Business Management
- ☐ Culinary Arts I
- ☐ Culinary Arts II
- ☐ Introduction to Business



Career Cluster: Architecture and Construction



The **Architecture and Construction Career Cluster** prepares individuals for careers in designing, planning, managing, building, and maintaining the built environment. Individuals pursuing a career in the Architecture and Construction cluster work on new structures, restorations, additions, alterations, and repairs.

Cluster Pathways: Construction; Design and Pre-Construction; Maintenance and Operations

Advanced Placement, Dual Credit, & Capstone Courses

- ☐ AP Calculus AB
- ☐ AP Calculus BC
- ☐ AP Environmental Science
- ☐ AP Physics 1 and 2
- ☐ AP World Languages (Spanish)
- ☐ Dual Credit World Languages (French and German)
- ☐ Construction Education
- ☐ Honors Engineering Design and Development
- ☐ Manufacturing II
- ☐ Practicum in Education and Technical Careers

Other Related Courses

- ☐ Art & Design I and II
- ☐ DIY
- ☐ Honors Introduction to Engineering and Design
- ☐ Manufacturing I (Dual Credit)
- ☐ Metals (Dual Credit)
- ☐ Honors Principles of Engineering
- ☐ Stagecraft: An Introduction to Technical Theater
- ☐ Woods I
- ☐ Woods II
- ☐ World Languages (Spanish, French, German)



Career Cluster: Arts, A/V, Technology, & Communications



Individuals pursuing a career in the **Arts, Audio/Video Technology & Communication Career Cluster** are offered two different avenues of concentration. Careers in the Performing Arts, Visual Arts or certain aspects of Journalism, Broadcasting and Film require courses and activities that challenge students' creative talents; while careers in Audio-Video Communications Technology, Telecommunications or Printing Technology require strong backgrounds in computer and electronic-based technology and a solid foundation in math and science.

Cluster Pathways: A/V, Technology, and Film; Journalism and Broadcasting; Performing Arts; Printing Technology; Telecommunications; Visual Arts

Advanced Placement, Dual Credit, & Capstone Courses

- ☐ AP Language and Composition
- ☐ AP Music Theory
- ☐ AP Photography
- ☐ AP Studio Art (AP Drawing, AP 2D, AP 3D)
- ☐ Computer Literacy (Dual Credit)
- ☐ Honors College Composition 151 (Dual Credit)
- ☐ Honors College Composition 152 (Dual Credit)

Other Related Courses/Sequences

- ☐ Art & Design I and II
- ☐ Cadet and Concert Choir
- ☐ Ceramics & Sculpture I and II
- ☐ Concert and Symphonic Band
- ☐ Creative Writing
- ☐ Drawing & Painting I and II
- ☐ Graphics I, II, III
- ☐ Guitar I and II
- ☐ Honors Studio Photography
- ☐ Honors Rhetoric and Research
- ☐ Honors Studio Art
- ☐ Independent Studio Art
- ☐ Introduction to Music Theory
- ☐ Introduction to Theater
- ☐ Jazz Band
- ☐ Journalism
- ☐ Music Technology & Production
- ☐ Newspaper
- ☐ Percussion
- ☐ Photography I and II
- ☐ Seminar in Artistic Leadership and Management
- ☐ Surround Sound
- ☐ Yearbook



Career Cluster: Business Management & Administration



The **Business Management and Administration Career Cluster** prepares learners for careers in planning, organizing, directing and evaluating business functions essential to efficient and productive business operations. Career opportunities are available in every sector of the economy and require specific skills in organization, time management, customer service and communication.

Cluster Pathways: Administrative Support; Business Information Management; General Management; Human Resources Management; Operations Management

Advanced Placement, Dual Credit, & Capstone Courses

- ☐ AP Language and Composition
- ☐ AP Statistics
- ☐ AP World Languages (Spanish)
- ☐ AP Psychology
- ☐ Dual Credit World Languages (French and German)
- ☐ Computer Literacy (Dual Credit)
- ☐ Honors College Composition 151 (Dual Credit)
- ☐ Honors College Composition 152 (Dual Credit)
- ☐ Honors INCubatoredu (Dual Credit)
- ☐ Honors Accounting II
- ☐ Practicum in Education and Technical Careers

Other Related Courses

- ☐ Accounting I
- ☐ Business Management
- ☐ Economics
- ☐ Honors Rhetoric and Research
- ☐ Introduction to Business
- ☐ Introduction to Psychology
- ☐ Introduction to Statistics and Analytics
- ☐ Marketing for Sports and Entertainment
- ☐ Philosophy of Leadership
- ☐ Sociology
- ☐ World Languages (Spanish, French, German)



Career Cluster: Education and Training



The **Education and Training Career Cluster** prepares learners for careers in planning, managing and providing education and training services, and related learning support services. Millions of learners each year train for careers in education and training in a variety of settings that offer academic instruction, career and technical instruction, and other education and training services.

Cluster Pathways: Administration and Administrative Support; Professional Support Services; Teaching and Training

Advanced Placement, Dual Credit, & Capstone Courses

- ☐ AP Language and Composition
- ☐ AP Music Theory
- ☐ AP Psychology
- ☐ AP Studio Art
- ☐ AP Seminar
- ☐ AP Statistics
- ☐ AP World Languages (Spanish)
- ☐ Dual Credit World Languages (French and German)
- ☐ Honors College Composition 151 (Dual Credit)
- ☐ Honors College Composition 152 (Dual Credit)
- ☐ Practicum in Education and Technical Careers
- ☐ Preschool Lab

Other Related Courses

- ☐ Business Management
- ☐ Cadet and Concert Choir
- ☐ Child Development
- ☐ Concert and Symphonic Band
- ☐ Freshman Band
- ☐ Honors Rhetoric and Research
- ☐ Introduction to Music Theory
- ☐ Introduction to Psychology
- ☐ Jazz Band and Jazz Ensemble
- ☐ Music Technology & Production
- ☐ Percussion
- ☐ Philosophy of Leadership
- ☐ Sociology
- ☐ Surround Sound
- ☐ Teacher Assistant in Education and Technical Careers
- ☐ Visual Arts (Art & Design, Drawing & Painting)
- ☐ World Languages (Spanish, French, German)
- ☐ Introduction to Statistics and Analytics



Career Cluster: Finance



The **Finance Career Cluster** prepares learners for careers in financial and investment planning, banking, insurance and business financial management. Career opportunities are available in every sector of the economy and require specific skills in organization, time management, customer service and communication.

Cluster Pathways: Accounting; Banking Services; Business Finance; Insurance; Securities and Investments

Advanced Placement, Dual Credit, & Capstone Courses

- ☐ AP Calculus AB or BC
- ☐ AP Statistics
- ☐ AP World Languages (Spanish)
- ☐ Dual Credit World Languages (French and German)
- ☐ Honors College Composition 151 (Dual Credit)
- ☐ Honors College Composition 152 (Dual Credit)
- ☐ Honors INCubatoredu (Dual Credit)
- ☐ Practicum in Education and Technical Careers
- ☐ Honors Accounting II

Other Related Courses

- ☐ Accounting I
- ☐ Business Management
- ☐ Economics
- ☐ Honors Pre-Calculus
- ☐ Introduction to Business
- ☐ Introduction to Statistics and Analytics
- ☐ Marketing for Sports and Entertainment
- ☐ World Languages (Spanish, French, German)



Career Cluster: Government and Public Administration



The **Government and Public Administration Career Cluster** focuses on those careers that are unique to government. Government affects Americans in countless ways. In a democratic society, government is the means of expressing the public will. This includes a variety of activities. In fact, virtually every occupation can be found within government. There are, however, some activities that are unique to government. The federal government defends us from foreign aggression; represents American interests abroad; deliberates, passes, and enforces laws; and administers many different programs. State and local governments pass laws or ordinances and provide vital services to constituents.

Cluster Pathways: Foreign Service; Governance; National Security; Planning; Public Management and Administration; Regulation; Revenue and Taxation

Advanced Placement, Dual Credit, & Capstone Courses

- ☐ AP Environmental Science
- ☐ AP Government
- ☐ AP Psychology
- ☐ AP Statistics
- ☐ AP US History
- ☐ AP World History
- ☐ AP World Languages (Spanish)
- ☐ Dual Credit World Languages (French and German)
- ☐ Social Science Internship (SSI) starting in 2021

Other Related Courses

- ☐ Business Management
- ☐ Economics
- ☐ Youth and Law
- ☐ Introduction to Psychology
- ☐ Introduction to Statistics and Analytics
- ☐ Philosophy of Leadership
- ☐ Sociology
- ☐ Journalism
- ☐ Newspaper
- ☐ World Languages (Spanish, French, German)
- ☐ Honors Cultural Studies
- ☐ Government
- ☐ Intro to Business



Career Cluster: Health Sciences



The **Health Science Career Cluster** orients students to careers that promote health, wellness, and diagnosis as well as treat injuries and diseases. Some of the careers involve working directly with people, while others involve research into diseases or collecting and formatting data and information. Work locations are varied and may be in hospitals, medical or dental offices or laboratories, cruise ships, medi-vac units, sports arenas, space centers, or within the community.

Cluster Pathways: Biotechnology Research and Development; Diagnostic Services; Health Informatics; Support Services; Therapeutic Services

Advanced Placement, Dual Credit, & Capstone Courses

- ☐ AP Biology
- ☐ AP Calculus AB or BC
- ☐ AP Chemistry
- ☐ AP Physics 1 and 2
- ☐ AP Psychology
- ☐ AP Statistics
- ☐ AP World Languages (Spanish)
- ☐ Dual Credit World Languages (French and German)
- ☐ Dual-Credit Basic Nursing Assistant Training (at MCC)
- ☐ Dual-Credit Fire Science, Emergency Medical Services, & Criminal Justice (at MCC)
- ☐ Dual-Credit Fitness Instruction (at MCC)
- ☐ Medical Residency

Other Related Courses

- ☐ Honors Principles of Biomedical Science
- ☐ Honors Human Body Systems
- ☐ Honors Medical Interventions
- ☐ World Languages (Spanish, French, German)
- ☐ Intro to Psychology
- ☐ Forensics



Career Cluster: Hospitality and Tourism



The **Hospitality & Tourism Career Cluster** prepares learners for careers in the management, marketing and operations of restaurants and other food services, lodging, attractions, recreational events and travel-related services. Hospitality operations are located in communities throughout the world.

Cluster Pathways: Lodging; Recreation, Amusements, and Attractions; Restaurants and Food and Beverage Services; Travel and Tourism

Advanced Placement, Dual Credit, & Capstone Courses

- ☐ AP World Languages (Spanish)
- ☐ Dual Credit World Languages (French and German)
- ☐ Dual Credit Culinary Management
- ☐ Warrior Chef

Other Related Courses

- ☐ Baking and Pastry
- ☐ Intro to Business
- ☐ Business Management
- ☐ Culinary Arts I
- ☐ Culinary Arts II
- ☐ Marketing for Sports and Entertainment
- ☐ Philosophy of Leadership
- ☐ Sociology
- ☐ World Languages (Spanish, French, German)



Career Cluster: Human Services



The **Human Services Career Cluster** prepares individuals for employment in career pathways related to families and human needs.

Cluster Pathways: Consumer Services; Counseling and Mental Health Services; Early Childhood Development and Services; Family and Community Services; Personal Care Services

Advanced Placement, Dual Credit, & Capstone Courses

- ☐ AP Biology
- ☐ AP Psychology
- ☐ AP World Languages (Spanish)
- ☐ Dual Credit World Languages (French and German)
- ☐ Practicum in Education and Technical Careers
- ☐ Preschool Lab
- ☐ Social Science Internship (SSI) starting in 2021

Other Related Courses

- ☐ Child Development
- ☐ Introduction to Psychology
- ☐ Sociology
- ☐ World Languages (Spanish, French, German)



Career Cluster: Information Technology



Careers in the **Information Technology Career Cluster** involve the design, development, support and management of hardware, software, multimedia and systems integration services. The IT industry is a dynamic and entrepreneurial working environment that has a revolutionary impact on the economy and society. In addition to careers in the IT industry, IT careers are available in every sector of the economy from Financial Services to Medical Services, from Business to Engineering and Environmental Services.

Cluster Pathways: Information Support and Services; Network Systems; Programming and Software Development; Web and Digital Communications

Advanced Placement, Dual Credit, & Capstone Courses

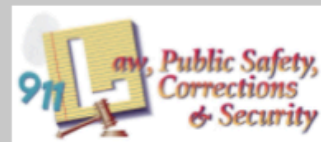
- ☐ AP Biology
- ☐ AP Physics 1 and 2
- ☐ AP Statistics
- ☐ AP Studio Art
- ☐ Computer Literacy (Dual Credit)
- ☐ Honors Computer Science A
- ☐ Seminar in Graphics

Other Related Courses

- ☐ Art & Design I and II
- ☐ Creative Writing
- ☐ Honors and Independent Studio Art
- ☐ Honors Introduction to Computer Science
- ☐ Graphics I, II, and III
- ☐ Introduction to Statistics and Analytics
- ☐ Computer Science Principles
- ☐ Music Technology & Production
- ☐ Learning in a Digital World
- ☐ Seminar in Artistic Leadership and Management
- ☐ Honors Pre-Calculus
- ☐ Algebra 2
- ☐ Honors Algebra 2



Career Cluster: Law, Public Safety, Corrections, and Security



The **Law, Public Safety, Corrections and Security Career Cluster** helps prepare students for careers in planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.

Cluster Pathways: Correction Services; Emergency and Fire Management Services; Law Enforcement Services; Legal Services; Security and Protective Services

Advanced Placement, Dual Credit, & Capstone Courses

- ☐ AP World Languages (Spanish)
- ☐ AP Psychology
- ☐ Dual Credit World Languages (French and German)
- ☐ Dual-Credit Fire Science, Emergency Medical Services, & Criminal Justice (at MCC)
- ☐ Medical Residency
- ☐ Social Science Internship (SSI) starting in 2021

Other Related Courses

- ☐ Forensics
- ☐ Honors Principles of Biomedical Science
- ☐ Honors Human Body Systems
- ☐ Honors Medical Interventions
- ☐ Intro to Psychology
- ☐ Sociology
- ☐ World Languages (Spanish, French, German)
- ☐ Youth and Law



Career Cluster: Manufacturing



The **Manufacturing Career Cluster** prepares learners for careers in planning, managing, and performing the processing of materials into intermediate or final products. Careers also include related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.

Cluster Pathways: Health, Safety and Environmental Assurance; Logistics and Inventory Control; Maintenance, Installation and Repair; Manufacturing Production Process Development; Production; Quality Assurance

Advanced Placement, Dual Credit, & Capstone Courses

- ☐ AP Calculus AB or BC
- ☐ AP Environmental Science
- ☐ AP Physics 1 and 2
- ☐ AP Statistics
- ☐ Construction Education
- ☐ Manufacturing II
- ☐ Practicum in Education and Technical Careers

Other Related Courses

- ☐ Manufacturing I (Dual Credit)
- ☐ Metals I (Dual Credit)
- ☐ Woods I, II



Career Cluster: Marketing



The **Marketing Career Cluster** prepares learners for careers in planning, managing, and performing marketing activities to reach organizational objectives.

Cluster Pathways: Marketing Communications; Marketing Management; Marketing Research; Merchandising; and Professional Sales

Advanced Placement, Dual Credit, & Capstone Courses

- ☐ AP Language and Composition
- ☐ AP Psychology
- ☐ AP Statistics
- ☐ AP World Languages (Spanish)
- ☐ Dual Credit World Languages (French and German)
- ☐ Honors College Composition 151 (Dual Credit)
- ☐ Honors College Composition 152 (Dual Credit)
- ☐ INCubatoredu (Dual Credit)
- ☐ Seminar in Graphics
- ☐ Honors Accounting II

Other Related Courses

- ☐ Accounting I
- ☐ Business Management
- ☐ Graphics (1, 2, 3)
- ☐ Honors Rhetoric and Research
- ☐ Introduction to Business
- ☐ Introduction to Psychology
- ☐ Introduction to Statistics and Analytics
- ☐ Marketing for Sports and Entertainment
- ☐ Music Technology & Production
- ☐ Seminar in Artistic Leadership and Management
- ☐ Statistics
- ☐ Philosophy of Leadership
- ☐ World Languages (Spanish, French, German)



Career Cluster: Science, Technology, Engineering, and Mathematics



A career in the **Science, Technology, Engineering & Mathematics Career Cluster** will be involved in planning, managing, and providing scientific research and professional and technical services including laboratory and testing services, and research and development services.

Cluster Pathways: Engineering and Technology; Science and Mathematics

Advanced Placement, Dual Credit, & Capstone Courses

- ☐ AP Biology
- ☐ AP Calculus AB or BC
- ☐ AP Chemistry
- ☐ AP Environmental Science
- ☐ AP Statistics
- ☐ AP Physics 1 and 2
- ☐ Honors College Composition 151 (Dual Credit)
- ☐ Honors College Composition 152 (Dual Credit)
- ☐ Dual-Credit Robotics Systems Engineering (at MCC)
- ☐ Honors Engineering Design and Development
- ☐ Honors Computer Science A

Other Related Courses

- ☐ Astronomy
- ☐ College Composition (Honors or Non-Honors)
- ☐ Honors Computer Science Principles
- ☐ Forensics
- ☐ Honors Introduction to Computer Science
- ☐ Honors Introduction to Engineering and Design
- ☐ Introduction to Statistics and Analytics
- ☐ Principles of Engineering
- ☐ Sociology
- ☐ Honors Pre-Calculus



Career Cluster: Transportation, Distribution, and Logistics



The **Transportation, Distribution and Logistics Career Cluster** emphasizes the planning, management, and movement of people, materials, and products by road, air, rail and water. It also includes related professional and technical support services such as infrastructure planning and management, logistics services, and the maintenance of mobile equipment and facilities.

Cluster Pathways: Facility and Mobile Equipment Maintenance; Health, Safety, and Environmental Management; Logistics Planning and Management Services; Sales and Service; Transportation Operations; Transportation Systems and Infrastructure Planning, Management, and Regulation; Warehousing and Distribution Center Operations

Advanced Placement, Dual Credit, & Capstone Courses

- ☐ AP Calculus AB or BC
- ☐ AP Environmental
- ☐ AP Physics 1 or 2
- ☐ AP Statistics
- ☐ Autos II
- ☐ Practicum in Education and Technical Careers

Other Related Courses

- ☐ Autos I
- ☐ Business Management
- ☐ Introduction to Business
- ☐ Introduction to Statistics and Analytics
- ☐ Power Mechanics



Advanced Placement and Capstone Course List

The Distinguished Warrior Graduate candidates are required to take at least ONE of the following Advanced Placement or Capstone courses during their high school career. Long-term course selection planning is recommended for students to achieve this honor and make the most out of their high school careers.

Mathematics

Honors Pre-Calculus (as 4th Math class)
Transitions to College Mathematics
AP Calculus AB
AP Calculus BC
AP Statistics
Introduction to Statistics and Analytics
College Algebra w/ Trigonometry (as 4th math class)

English

Honors College Composition/English 151
Honors College Composition/English 152
Honors Rhetoric and Research
Honors Cultural Studies English
AP Language and Composition
AP Literature and Composition

World Language

Honors Spanish IV
AP Spanish Language and Culture
Honors Dual Credit French IV/151 & 152
Honors Dual Credit German IV/151 & 152

Art

Honors Studio Art Portfolio /
Honors Studio Photography (Blended)

AP Studio Art Portfolio -

AP Drawing, AP 2D Art & Design,
AP 3D Art & Design, AP Photography
(Blended)

Music

AP Music Theory

Physical Education

PE Leadership Program (2 years required)

Non-Departmental Courses

AP Seminar

Science

AP Physics I and AP Physics II
AP Biology
AP Chemistry
AP Environmental Science
Medical Residency (Blended)
Honors Medical Interventions (PLTW)

Social Science

AP World History
AP Human Geography
Honors Cultural Studies History
AP Psychology
AP United States History
AP US Gov & Politics/AP Comp Gov & Politics
Social Science Internship (Blended)
(2021-2022 school year)

Career and Technical Education

Honors INCubatoredu
Honors Accounting II
Practicum in Education and Tech Careers
Pre-School Lab
Warrior Chef
Woods II
Manufacturing II
Automobile Service II
Graphics III
Construction Education
Computer Science A (PLTW)
Engineering Design and Development (PLTW)

Dual Enrollment Credit (MCC)

Basic Nurse Assistant
Fire Science / EMS / Criminal Justice
Fitness Instruction Training
Culinary

