

Brighton High School Curriculum Guide

2020 - 2021

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Introduction

This curriculum guide acquaints both parents and students with the curricular offerings at Brighton High School. We believe that the best curricular choices are made by students who have carefully read this book and who have also explored their potential career goals with their parents. Good decisions at this time will enhance possibilities after high school. Students should design a four-year program during the ninth grade, making changes as new ideas and information make it necessary.

Counselors

| | |
|-----------------------------------|-------------------------------------|
| Class of 2021 Ms Ashley Grossfeld | Class of 2022 Mr. Jeff Miner |
| Class of 2023 Mr. Chris Sandberg | Class of 2024 Mrs. Jody Petit |
| Online Counselor Mr Barry Goode | Career Facilitator Mrs. Julie Corey |

It is the responsibility of the counselors to help students plan a program that satisfies the graduation requirements of the school. It is also their role to recommend courses that reflect the future goals of the students and to help review course programs with parents/guardians and students.

Graduation Requirements:

All students must meet the following course requirements listed below. Earn twenty-two (22) credits in the following areas:

- English 4 credits
 - Literature and Comp 9, or Honors Literature and Comp 9,
 - American Literature, or Honors American Literature & Comp,
 - Literature and Comp 11, or Honors Literature & Comp 11
 - World Literature or AP Literature/AP Language or electives
- **Mathematics 4 credits
 - Algebra I
 - Geometry
 - Algebra II
 - One math course in senior year
- Science 3 credits
 - Biology
 - Physics, Chemistry
- Social Studies 3 credits
 - United States History
 - World History
 - Civics (semester class)
 - Economics (semester class)
- World Language 2 credits
- Health Education ½ credit
- Physical Education ½ credit
- Visual, Applied or Performing Arts 1 credit
- Electives 6 credits

**May be replaced with a elective option if student has successfully completed mathematics credits meeting the Michigan Merit Curriculum requirements.

Credit Options

Fourth Year Math Credit Options

Accounting
Architectural Computer-Aided Drafting and Design
Automotive Technology I, II, Advanced
Computer Network Engineering
Construction Technology I & II
Culinary Arts/Restaurant Management (LATEC)
Early Childhood Education
Energy Technology
Engineering Robotics I & II
Engineering Applications
Engineering Design Technology 1
Engineering Design Technology 2
Entrepreneurship
Graphic Communications I & II
Health Occupations Technology II
Manufacturing Technology/Machine Trades
Marketing II
Personal Finance
A.P. Physics I, A.P. Physics 2
Programming Game Development
A.P. Music Theory
A.P. Computer Science Principles
A.P. Computer Science A
WRAP/Work Study

*Visual, Performing or Applied Arts Credit Options

Art – all department courses
Automotive Technology
Business – Marketing I, Marketing II, Social Media, Web Page Design,
Programming - Game Development, AP Computer Science
English – Drama, Performing Arts, Yearbook
Family and Consumer Sciences – Early Childhood Education; Housing
and Home Furnishings, Bake Shop, Teacher Cadet, LINK
Health Occupations Technology I
Health Occupations Technology II
Health Occupations II - Emergency Medical Service
Music – all department courses
Technology and Industry – Architectural Computer Aided Drafting and
Design, Engineering Applications, Engineering Design Technology 1,
Engineering Design Technology 2, Introduction to Graphics, Graphic
Design, Graphic Communications I and II
Out of District Courses - Computer Network Engineering, Construction,
Culinary Arts, EMT, Machine Trades, Robotics, Energy Technology,
Fire Academy
Leadership

*CTE Credit Options for 2nd World Language Credit

Automotive Department

Automotive Technology I
Automotive Technology II
Advanced Automotive Technology

Child Development

Early Childhood Education
Teacher Cadet

Computer Science

AP Computer Science A
AP Computer Science Principles

Digital Multimedia Program (select two of the three courses)

Programming Game Development
Social Media
Web Design

Engineering Program

Engineering Applications (Mechanical/Architecture) Year Long Course
Engineering Design Technology I & Engineering Design Technology 2
Engineering Applications - 2 Hour Block

Finance Program

Accounting

Graphics Program

Graphic Design - Year Long
Graphic Communications - Two Hour Block

Health Occupation Program

Health Occupation I or II

Marketing Program

Marketing I - Year long course
Marketing II - 2 Hour Block
Entrepreneurship
Entertainment and Sports Marketing

Out of District Courses

Agriculture
Architectural Computer-Aided Drafting and Design II
Aviation
Computer Network Engineering/Advanced Computer Network Eng.
Construction
Cosmetology Year 2
Culinary II
Fire Academy
Manufacturing Technology I & II
Robotics II

Civics Credit Option

AP US Government

***1 Full additional credit of the Visual, Performing or Applied Arts Credit Option, or 1 Full CTE Credit Option may replace the 2nd World Language Credit.**

For additional information, contact your counselor

Senior Class Rank

A senior's class rank is based on the average of all semester grades earned by the end of the seventh semester. The scale used to compute class rank is listed below. The following values have been assigned to each letter grade:

| Letter Grade | Points | Percentage | AP - Points |
|--------------|--------|-------------------|-------------|
| A | 4.00 | 92.5 - 100 | 5.00 |
| A- | 3.67 | 89.5 - 92 | 4.67 |
| B+ | 3.33 | 86.5 - 89 | 4.33 |
| B | 3.00 | 82.5 - 86 | 4.00 |
| B- | 2.67 | 79.5 - 82 | 3.67 |
| C+ | 2.33 | 76.5 - 79 | 3.33 |
| C | 2.00 | 72.5 - 76 | 3.00 |
| C- | 1.67 | 69.5 - 72 | 2.67 |
| D+ | 1.33 | 66.5 - 69 | 2.33 |
| D | 1.00 | 62.5 - 66 | 2.00 |
| D- | .67 | 59.5 - 62 | 1.67 |
| E | 0.00 | Failing | 0.00 |
| G | | Credit for Course | |
| I | 0.00 | Incomplete | 0.00 |
| W | | Withdrew | |

The official class rank and grade point average are computed after the completion of the seventh semester.

Report Cards

Report cards are issued four times a year. **Only semester grades** are recorded on the student's permanent transcript record. All incompletes must be removed from the record before credit can be given, as per Board Policy. The Parent-Student Handbook states: "When in a teacher's opinion, illness or other valid reasons have interfered with the student's ability to meet class deadlines, an incomplete can be given rather than a grade. In such cases each student will have three (3) weeks to complete the work. Failure to comply with this condition or make other administratively approved arrangements will result in a failing grade."

Progress Reports

Mid-term reports will be posted on-line at the mid-point of each marking period. Weekly progress reports are also available from teachers at parent/guardian request. Students must take responsibility for circulating these forms. Failing notices will be sent to parents/guardians if a student is failing a class and notification was not made via the progress report.

Schedule Changes

All class choices are firm commitments for the school year. Master schedule decisions are based on the course selections of the students. Schedule changes may be requested during the summer registration week and need to occur before the school year starts. Once classes begin the only class changes considered are due to academic failures, mechanical scheduling errors, or staff-initiated academic changes. These will be corrected by the student's counselor.

Advanced Placement Programs

Brighton High school offers a variety of Advanced Placement courses in the areas of Mathematics, English, Science, and Social Studies. These classes offer students the opportunity to earn college credit while still in secondary school. Students should meet the prerequisite requirements listed in the course descriptions and must complete an AP permission form for each advanced placement class requested. Below are the offered AP courses:

AP Literature & Composition

AP Language & Composition

AP Calculus AB

AP Calculus BC

AP Statistics

AP Biology

AP Chemistry

AP Environmental Science

AP Government

AP Music Theory

AP Physics I

AP Physics 2

AP Psychology

AP European History

AP U.S. History

AP World History

AP Computer Science Principles

AP Computer Science A

Weighted Grades

The Brighton High School grading system is based on a 4.0 grading scale. AP classes are weighted on a 5.0 scale. Students will receive a weighted grade only if the class is taken when offered in the designated grade level per the curriculum guide. Students taking an AP class online or in a grade level not noted in the curriculum guide or a transfer credit from another school will NOT receive a weighted grade. Their grade(s) will be based on a 4.0 scale.

Middle School Credit Transfers

Algebra I and Geometry

Algebra and/or Geometry taken in middle school will be used to meet the four-year credit requirement set forth by Michigan Merit Curriculum. Students will still be required to complete 22 credits in high school, including a math credit senior year, for graduation from Brighton High School. Students receive a letter grade for this class, but this grade does not compute into their high school GPA.

World Language

World Language or American Sign Language taken in middle school may be used to gain entry into World Language or ASL classes at Brighton High School. World Language and ASL may be used to meet the two-year World Language requirement set forth by Michigan Merit Curriculum. Students will still be required to complete 22 credits in high school, for graduation from Brighton High School. Students receive a letter grade for these classes taken in middle school, but the grades does not compute into their high school GPA. Credits must be completed in the same World Language.

Testing Out

Under Michigan law, (MCL 380.1279b) a student who chooses to receive credit for a high school course without enrolling in the course may do so by attaining a passing grade of not less than 78% for the final exam and/or other requirements including: comprehensive paper, portfolio, presentation, project, or assessment in the course. Credit will not be granted, however, for a course in a subject area lower in course sequence than one for which the student has already earned credit.

Successfully attained credit under this policy will earn a grade of "pass", and it will appear as a "G" on their transcript. It shall not be used in computations of grade point average nor counted toward the total required credits for graduation. Credit may be used to fulfill prerequisites for other courses and/or subject area credit requirements for graduation. The attained credit may also be used to recover the credit as a result of failing a course. Further information on testing out guidelines and schedules is available on the BHS website, www.brightonk12.com.

Personal Curriculum

A Personal Curriculum is an option any student or family can explore as a way to modify certain graduation requirements and earn a diploma. These guidelines are set by the Michigan Department of Education. Information can be found at http://www.michigan.gov/mde/0,4615,7-140-6530_30334_49879---,00.html

Dual Enrollment

High school students may enroll in a public or private post-secondary degree granting institution if the following conditions are met:

1. A student must be enrolled in both the district and the post-secondary institution during the local school district's regular academic year.
2. The college courses cannot be hobby or "activity courses."

The State School Aid Act contains a provision that directs school districts to assist students in paying tuition and fees to the institution.

Eligible students should see their counselor for more specific information and application procedures. Grades for these classes will not be weighted.

Special Programs

Contact the High School Counseling Office for more information about the referral process concerning the initiation of Special Education, 504, and Homebound services.

On Line Courses

Students may take up to, but no more than, six online courses per semester. A list of possible online courses is available at Michigan Virtual or the statewide catalog. Contact your counselor or administrator for information on how to enroll in these courses. Grades for any on-line course will not be weighted. If a student fails an online course, (s)he may not elect to take another online course.

Out of District CTE Consortium

To supplement applied technology offerings at Brighton High School, we participate with other Livingston County high schools in a CTE Consortium. Registration for and participation in any CTE consortium class is open to all high school students in eleventh or twelfth grade. Students must provide their own transportation. For more information, please see page 39.

Retaking a Class

If a student chooses to retake a class, (s)he has this opportunity. This may be due to failure, or it may be to better understand the material. The initial and the retake grades will both be posted and remain on the transcript. Both grades will be calculated into the GPA. Students failing a class may be given an online learning lab hour to retake the class through Michigan Virtual.

Career Pathways

High school provides the opportunity to plan and prepare for the future. Career planning is one part of that process. Each year students have the chance to participate in career preparation activities, Career Pathway assessments, and to update their Educational Development Plan (EDP). An EDP is a written description that identifies student career goals, interests, and skills while documenting the experiences, education and accomplishments they have had and want to pursue.

Because many careers share similar characteristics, the State of Michigan has grouped all career options into one of six Career Pathways. Those six career pathways are:

Arts and Communications – careers related to the humanities, the performing, visual, literary and media arts.

Business, Management, Marketing and Technology – careers related to all aspects of business including accounting, business administration, finance, information processing and marketing.

Engineering/Manufacturing and Industrial Technology – careers related to technologies necessary to design, develop, install, or maintain physical systems.

Health Sciences – careers related to the promotion of health, as well as the treatment of injuries, conditions, and disease.

Human Services – careers in child care, civil service, education, hospitality, and the social services

Natural Resources and Agriscience – careers related to the environment and natural resources.

Each department has included a Career Pathway chart in this curriculum guide. The Career Pathway chart suggests department course offerings that would be helpful for students anticipating a particular pathway direction.

NCAA Eligibility

The NCAA Initial-Eligibility Clearinghouse has approved the following core academic courses for use in establishing the certification status of student athletes from Brighton High School. Students expecting to receive NCAA athletic eligibility for college should refer to the NCAA web site: www.ncaa.org.

*** Students electing online classes must check with the online provider regarding NCAA approved courses**

English

American Literature and Composition
Creative Writing
Debate
Expository Writing
Honors American Literature and Composition
Honors Literature and Composition 9
AP Language and Composition
Literature and Composition 9
AP Literature and Composition
Mythology and Science Fiction
Speech
World Literature and Composition
Literature and Composition 11
Honors Literature and Composition 11

Mathematics

Algebra 1
Algebra 2
AP Calculus AB
AP Calculus BC
Functions, Statistics and Trigonometry
Geometry
Pre-Calculus
Statistics/AP
Two Year Algebra 2 (Year 1) 1/2 Credit
Two Year Algebra 2 (Year 2) 1/2 Credit

Natural/Physical Science

Anatomy and Physiology (Lab)
Astronomy
Biology/AP (Lab)
Biology (Lab)
Botany (Lab)
Chemistry/AP (Lab)
Chemistry (Lab)
Honors Chemistry (Lab)
Forensics
General Chemistry (Lab)
Geology
Organic Chemistry
Physics/AP (Lab)
Physics (Lab)
AP Physics I
AP Physics 2
AP Environmental Science

Social Science

America Since 1950
American History/AP
Civics
Current Events
Economics
European History/AP
AP Government
Government Close-Up (Govt. C-U)
Military History
Psychology
AP Psychology
History of Social Behavior/Sociology
United States History and Geography
World History and Geography
Postwar America - The American Dream
Postwar America - Troubled Times
AP World History

Additional Courses

American Sign Language I
American Sign Language II
American Sign Language III
American Sign Language IV
French I
French II
French III
French IV
French V
Spanish I
Spanish II
Spanish III
Spanish IV
Spanish V

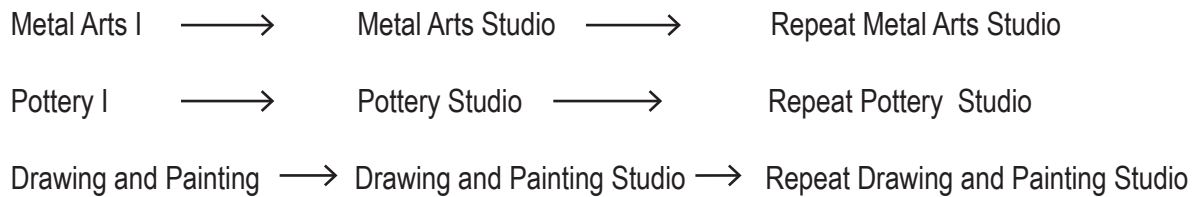
Determining eligibility of a student to play college athletics is the responsibility of the student and parent.

Art Department

| Course number | Course name | Semester/year | Grade | Prerequisite | Career pathway |
|---------------|-----------------------------|---------------|--------|------------------------|---|
| 68015/68016 | Metal Arts 1 | Semester | 9 – 12 | None | Arts/Communication; Engineering/Technology |
| 68245/68246 | Metal Arts Studio | Semester | 9 – 12 | Metal Arts 1 | Arts/Communication; Engineering/Technology |
| 68025/68026 | Pottery I | Semester | 9 – 12 | None | Arts/Communication; Engineering/Technology |
| 68255/68256 | Pottery Studio | Semester | 9 – 12 | Pottery I | Arts/Communication; Engineering/Technology |
| 68005/68006 | Art Works | Semester | 9 – 12 | None | Arts/Communication; Engineering/Technology |
| 68035/68036 | Drawing and Painting I | Semester | 9 – 12 | None | Arts/Communication; Engineering/Technology |
| 68265/68266 | Drawing and Painting Studio | Semester | 9 – 12 | Drawing and Painting I | Arts/Communication; Engineering/Technology |

Flow Chart

Art Works



* Credit in these courses apply to the Visual, Applied or Performing Arts graduation requirement.

Art Department continued

Course Descriptions

The art courses are thoroughly described below; however, there are common elements true in each class. Students should understand that all the teachers in our department are interested in having students become knowledgeable of the history of art and the elements and principles of design as it pertains to their courses. All believe that reading and writing across the curriculum should be expected. There will be quizzes and exams based on the material taught within each curriculum.

Metal Arts I

Grades 9– 12 • Semester course • Semester 1 – 68015; Semester 2 – 68016 • 1/2 Credit

This course concentrates on fabrication and designing skills basic to creating any art made with metal. Among the technical skills taught are piercing, sawing, riveting, forging and all finishing skills applicable to these techniques. Success will reflect good use of the elements and principles of design as well as good craftsmanship.

Metal Arts Studio

Grades 9 – 12 • Semester Course • Semester 1 – 68245; Semester 2 – 68246 • 1/2 Credit

Prerequisite: Demonstrates proficiency of skills from Metal Arts I with C- average or better.

This course further explores the fabrication and design skills begun in Metal Arts I adding the technical skills of silver soldering, simple stone setting, wire construction, surface embellishment, and adding mixed media. Success will reflect good use of the elements and principles of design as well as good craftsmanship. This course may be repeated to continue exploring the medium at a more advanced level.

*A lab fee of approximately \$35.00 may be incurred for consumable materials. Fee exemptions may be made on an "as needed" basis.

Pottery I

Grades 9 – 12 • Semester Course • Semester 1 – 68025; Semester 2 – 68026 • 1/2 Credit

This course offers a structured experience in basic design and pottery techniques including the hand-building techniques of pinch pot, slab-building and coil, and an exposure to using the pottery wheel. Art history is used to introduce many of the projects. Success will reflect as personal expression and creativity in the work, good use of the elements and principles of design and an effort to use good craftsmanship.

Pottery Studio

Grades 9 – 12 • Semester Course • Semester 1 – 68255; Semester 2 – 68256 • 1/2 Credit

Prerequisite: Demonstrates proficiency of skills from Pottery I with C- average or better.

This course continues to build on the techniques and skills learned in Pottery I. Combining the techniques, personal expression and relating the work to art history are all important components. Students work more often on the pottery wheel to develop that skill and many of the projects will have wheel based requirements. Success will reflect good use of the elements and principles of design and good craftsmanship. This course may be repeated to continue exploring the medium at a more advanced level.

*A lab fee of approximately \$35.00 may be incurred for consumable materials. Fee exemptions may be made on an "as needed" basis.

Drawing and Painting I

Grades 9 – 12 • Semester Course • Semester 1 – 68035; Semester 2 – 68036 • 1/2 Credit

This structured course will introduce students to the skills required in these art forms including composition and design principles, perspective, symmetry, proportion, and a variety of basic drawing and gray scale painting techniques. As time permits, color will be explored. Art history applicable to the material will be an important component.

Drawing and Painting Studio

Grades 9 – 12 • Semester Course • Semester 1 – 68265; Semester 2 – 68266 • 1/2 Credit

Prerequisite: Demonstrates proficiency of skills from Drawing and Painting I with C- average or better.

This course is a continuation of Drawing and Painting I with an emphasis on acrylic or watercolor painting, using drawing pencils, colored pencils, pastel and mixed media, with continued emphasis on art history, composition and design principles. This course may be repeated to continue exploring the medium at a more advanced level.

*A lab fee of approximately \$35.00 may be incurred for consumable materials. Fee exemptions may be made on an "as needed" basis.

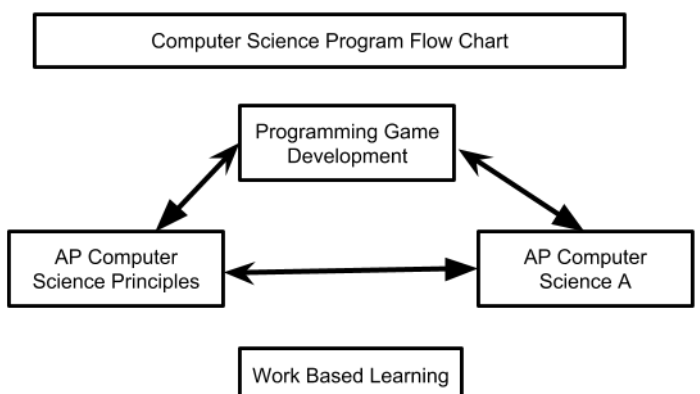
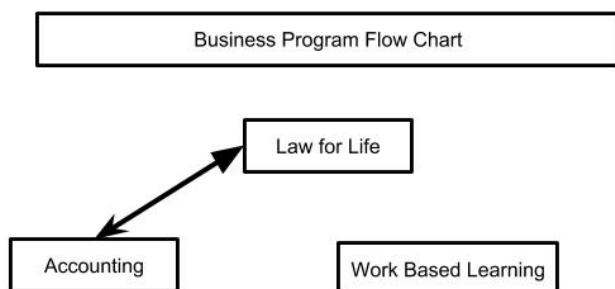
Art Works

Grades 9 - 12 • Semester Course • Semester 1-68005; Semester 2-68006 • 1/2 Credit

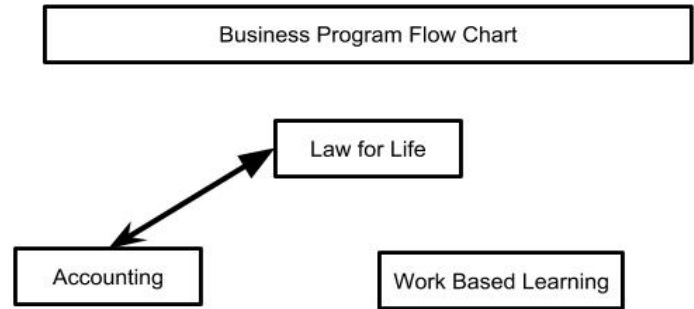
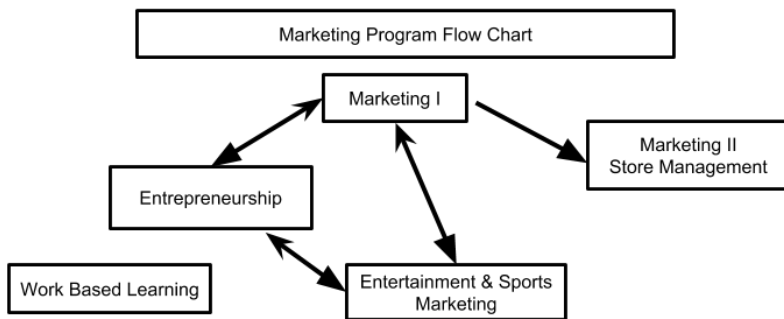
This course is for those interested in art but not committed to one concentration. Media to be explored may include print-making, sculpture, drawing and painting, collage and two or three-dimensional design. The elements and principles of design will be applied and emphasized in the work.

Business Department

| Course number | Course name | Semester/year | Grade | Prerequisite | Career pathway |
|---------------|------------------------------------|----------------------|---------|---|---|
| 66261/66262 | Accounting | Year | 11– 12 | None | Business Technology; Health Services |
| 66477/66478 | AP Computer Science A | Year | 11 - 12 | None | Business Technology |
| 66481/66482 | AP Computer Science Principles | Year | 11 - 12 | None | Business Technology |
| 66225/66226 | Law for Life | Semester | 10 – 12 | None | Business Technology; Human Services; Natural Resources |
| 66077/66078 | Intro to Digital Technology | Semester | 9 – 12 | None | Arts/Communication; Business Technology; Human Services |
| 66075/66076 | Programming-Game Development | Semester | 9 – 12 | None | Arts/Communication; Business Technology; Human Services |
| 66073/66074 | Web Design | Semester | 9 – 12 | None | Arts/Communication; Business Technology; Human Services |
| 66057/66058 | Social Media | Semester | 10 - 12 | None | Arts/Communication; Business Technology; Human Services |
| 66031/66032 | Marketing I | Year | 10 – 12 | None | Arts/Communication; Business Technology |
| 66235/66236 | Marketing II (School Store) | 2 hour block Year | 11 – 12 | Marketing I, DECA and teacher approval | Arts/Communication; Business Technology |
| 66131/66132 | Entertainment and Sports Marketing | Semester | 9 – 12 | None | Arts/Communication Business Technology |
| 66033/66034 | Entrepreneurship | Semester | 11 – 12 | None | Arts/Communication Business Technology |
| 67947/67948 | Work Based Learning CO-OP | Year | 11 - 12 | None | Arts/Communication; Business Technology; Human Services |



Business Department continued



Course Descriptions

Accounting

Grades 11 – 12 • Year Course • Semester 1 - 66261 • Semester 2 - 66262 • 1Credit
Satisfies 4th Year Math Credit (1 Credit), 2nd year World Language Credit, DECA, and potential for College Credit.

Are you planning on studying business in college? Did you know you will take at least one accounting course? Currently the field of accounting is one of the fastest growing career areas and is experiencing a shortage of accountants. Any student who has an interest in pursuing a career in any business field should take this course. This course will introduce students to the basic accounting principles and procedures that are applied to accounting records kept for businesses. This will include journalizing transactions, posting, petty cash, financial statements, and adjusting and closing entries. Automated accounting software may be utilized.

Advanced Placement Computer Science A

Grades 11 – 12 • Year Course. Semester 1 - 66477 • Semester 2 - 66478 • 1 Credit
Satisfies 4th Year Math Credit (1), 2nd year World Language Credit, and potential College Credit

APCSA is equivalent to a first-semester, college-level course in computer science for CS majors. The course introduces students to computer science using the industry- standard Java programming language and presents fundamental topics that include problem solving, algorithms, and abstraction. The course emphasizes object-oriented programming methodology, especially problem solving and algorithm development, plus an overview of data structures. This course introduces students to the importance of resilience and project planning through the implementation of several large-scale and complex projects. The AP Computer Science A exam tests students on their knowledge of Java.

Advanced Placement Computer Science Principals

Grades 11 – 12 • Year Course • Semester 1 - 66481 • Semester 2 - 66482 • 1 Credit
Satisfies 4th Year Math Credit (1), 2nd year World Language Credit, and potential College Credit

This course, APCSP, covers the fundamentals of computer science and its impact on people, society, and innovation. Course topics include: algorithms, abstraction, elementary logic, generating and analyzing computational artifacts, digital security and privacy, computer networks, data encoding, creative and ethical computing, and using a visual programming language to develop mobile phone applications. While many of these topics can be quite complex, this course will focus primarily on providing a high-level overview of each topic. This class is about IoT, innovation, creativity and making a real-world impact. No prior experience of computer science is necessary. Topics include all aspects of computer science not just programming.

Law for Life

Grades 10 – 12 • Semester Course * Semester 1 - 66225; Semester 2 - 66226 • ½ Credit

Students will have an opportunity to gain a real appreciation for law and learn about his/her rights and responsibilities as a minor and as an adult when dealing with constitutional rights, criminal procedure, juvenile court, civil and criminal law, as well as business law and how it affects consumers and corporations. Students will also learn about laws as they pertain to marriage and divorce issues, estate planning, rental issues, and housing. Any student interested in a career in any aspect of law is encouraged to take this course.

Intro to Digital Technology

Grades 9 – 12 • Semester Course Semester 1 - 66077; Semester 2 - 66078 • 1/2 Credit

This course is strongly suggested for any student interested in entering any aspect of the business world after high school or studying business in college. This course is designed so that students will master the features of various programs used in today's business world. Students will plan and create spreadsheets, presentations, databases, and word processing documents using the latest Microsoft Office Suite programs. Students will also use keyboarding programs to improve their typing skills and speed. Online applications are integrated into the course to help students keep current with technology trends and apps. Opportunity for Microsoft Office Specialist Certifications may be offered to students, which will enhance their college application and resume.

Programming-Game Development

Grades 9 – 12 • Semester Course • Semester 1 – 66075; Semester 2 – 66076 • 1/2 Credit Satisfies 4th year Math Credit (1/2 credit), 2nd year World Language Credit (1/2 credit)

What is computer science and cutting edge technology? Learn how to think like a computer by understanding what technology is and how to apply it to everyday life. Learn multiple programming languages to understand concepts of computer science by creating games using simple blocks of code, syntax error language and 3D/first person languages. Create games using motion sensing input devices. Program robots to sense, draw and move through obstacles. Program a game to use circuits to turn everyday objects into touch pads. Multiple field trip opportunities.

Next Suggested course: AP Computer Science Principles

Business Department Continued.....

Web Design

Grades 9 – 12 • Semester Course • Semester 1 – 66073; Semester 2 – 66074 • 1/2 Credit

Satisfies the Visual, Performing, and Applied Arts (VPAA) Credit, 2nd year World Language Credit (1/2 credit)

Students will learn how to create and maintain websites and how to integrate graphics, sound and user interaction. Students will use HTML, Javascript, CSS, Bootstrap, and Dreamweaver web design software to create effective, functional websites. Students will use Adobe Creative Suite software to design logos and graphics with Illustrator and change and create images with Photoshop. Students will also be introduced to animation software. The use of design elements and principles will be used to properly communicate ideas and enhance layout of their work. Students will create a personal portfolio website, learn how to publish to a server and participate in a Photoshop contest. Next Suggested course: Social Media

Social Media

Grades 10 - 12 * Semester Course * Semester 1 - 66057; Semester 2 - 66058 * 1/2 Credit

Satisfies the Visual, Performing, and Applied Arts (VPAA) Credit, 2nd year World Language Credit (1/2 credit), and potential for college credit

Become a social media strategist - one of the hottest career trends in technology and marketing. This class will use many social media tools to promote and explore the purpose of social media as a marketing tool. Students will create and implement a social media campaign for a local business to help their business grow and succeed. This class is comparable to an internship. Not only will students have the opportunity to apply what they learn in class this also gives them the opportunity to work professionally with a business. Field trips are involved in this course to experience businesses using social media. Next Suggested course: AP Computer Science Principals

Marketing I

Grades 10 – 12 • Year course – 66031/66032 • 1 Credit

Satisfies the Visual, Performing, and Applied Arts (VPAA) Credit, DECA, 2nd year World Language Credit, and potential for College Credit.

Marketing is everywhere! Through this Marketing I course students will discover how Marketing relates to everyday life and learn techniques to enable them to be smarter consumers. This one-year course is a study of how a product or service is introduced, developed, priced, advertised, and sold in the marketplace. Through various activities and projects students will learn about the fundamentals of business communication, market analysis, product decisions from innovation to production, pricing, and packaging, promotion decisions from advertising to personal selling, placement decisions from channel of distribution to merchandising and visual displays, salesmanship and technology. Students will also have an opportunity to participate in field trips that relate concepts learned in class to the real world. If you plan on studying business in college or working in the business world one day this is a class for you!

**DECA Highly Recommended

Marketing II (School Store)

Grades 11 - 12 • Year course (two hour block) – 66235/66236 • 2 Credits

Satisfies the Visual, Performing, and Applied Arts (VPAA) Credit, and 4th Year Math Credit (1 Credit), 2nd year World Language Credit, DECA and potential for College Credit.

Prerequisite: Marketing I, DECA, application and approval by marketing instructor.

Are you interested in working within the business world one day? Do you want hands-on business experience? This two-hour block, one-year course is designed to provide training in managing the operations of a retail store under real conditions at The Paw! (school store) Course topics include: business communications, retailing, budgeting, purchasing, pricing, and sales analysis; visual and display design, marketing research, advertising and management.

*There is a DECA fee associated with this course.

Entertainment and Sports Marketing

Grades 9 – 12 • Semester Course • Semester 1 – 66131; Semester 2 – 66132 • 1/2 Credit
DECA, 2nd year World Language Credit (1/2 credit), potential for college credit

Interested in the dynamic areas of sports, entertainment, and/or marketing? Marketing is an exciting industry and many jobs in the country deal with some aspect of marketing! In this course you will explore the intriguing world of sports and entertainment from the perspective of marketing. Topics will include, but are not limited to, college & amateur sports, professional sports, marketing entertainment, marketing plans, and promotional planning. The activities in this course will help students develop critical thinking, decision making, and communication skills. Speakers, current events, videos, individual and group projects, field trips, and simulations will be utilized. This course is recommended for any student who is considering a career in Business, Marketing, Sports & Entertainment, or Public Relations.

Entrepreneurship

Grades 11 – 12 • Semester Course • Semester 1 – 66033; Semester 2 – 66034 • 1/2 Credit

Satisfies the 4th Year Math Credit (1/2 Credit), 2nd year World Language Credit (1/2 credit), DECA and potential for College Credit.

Do you want to be a successful business owner? This one semester class is for anyone interested in understanding how to start and operate a business. Students will develop a business plan for the twenty-first century and will learn the many opportunities available to them in business ownership. This class will include topics in types of business ownership, market and opportunity analysis, business planning, price and promotional strategies, and financial analysis. It will also include visits by current successful entrepreneurs. This class satisfies the fourth year math credit (1/2 credit) and the computer credit.

Next Suggested course: Marketing I

Work Based Learning CO-OP

Grades 11-12 * Year Course * 1/2 Credit
Semester 1 - 67947; Semester 2 - 67948

Work Based Learning is a school-to-work program that involves the schools, students, parents/ guardians, and the business community. It matches a student's class work and career interests with work-site based learning opportunities. The Work Based Learning Program is not a job placement service; it is a program which enables students to receive career exploration/training in an established, supervised work environment. This allows the student to experience actual employment conditions, while also continuing their academic studies.

Career Readiness WBL student experiences:

1. May be paid or unpaid with same experience the entire semester.
2. Must follow federal and state regulations to employ minors.
3. Must average 12 hours per week for the semester

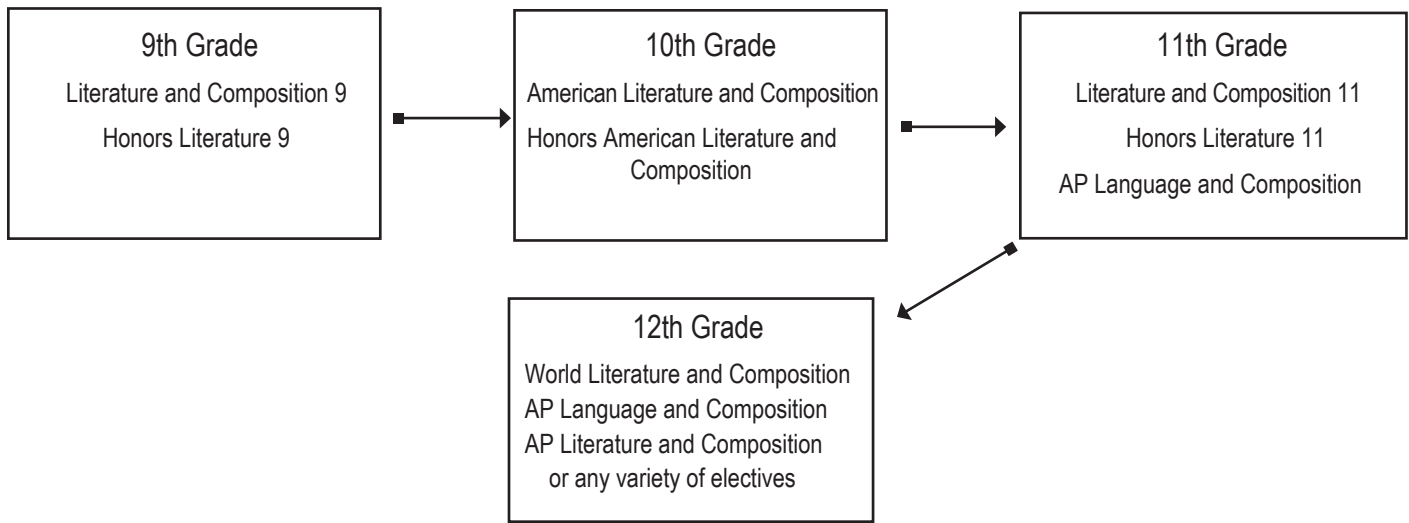
Career Readiness WBL student eligibility requirements:

1. Application must be completed prior to the start of class.
2. Training site must be approved by the Work Based Learning Coordinator.
3. Training (training agreement and training plan) must be related to student's career path, Education Development Plan (EDP).

English Department

| Course number | Course name | Semester/year | Grade | Prerequisite | Career pathway |
|---------------|--|---------------|---------|---|---|
| 61050 | Literature and Composition 9 | Year | 9 | None | All |
| 61100 | Honors Literature and Composition 9 | Year | 9 | Summer reading | All |
| 61470 | American Literature and Composition | Year | 10 | None | All |
| 61480 | Honors American Literature and Composition | Year | 10 | Summer reading | All |
| 61670 | Literature and Composition 11 | Year | 11 | None | All |
| 61680 | Honors Literature Composition 11 | Year | 11 | Summer reading | All |
| 61690 | World Literature and Composition | Year | 12 | Completion of all required English Classes (9th, 10th and 11th grade years) | Art/Communication, Human Services |
| 61700 | AP Literature and Composition | Year | 12 | Summer reading | Art/Communication |
| 61800 | AP Language and Composition | Year | 11 - 12 | Summer reading | Art/Communication |
| 61277/61278 | Drama | Semester | 9 – 12 | None | Art/Communication; Human Services |
| 61077/61078 | Performing Arts | Semester | 9 - 12 | Successful completion of Drama | Art/Communication; Human Services |
| 61073/61074 | Performing Arts Student Director | Semester | 11 - 12 | Successful completion of Drama and Performing Arts and teacher recommendation | Art/Communication; Human Services |
| 61265/61266 | Mythology and Science Fiction | Semester | 10 – 12 | None | Art/Communication |
| 61275/61276 | Speech | Semester | 9 – 12 | None | Art/Communication; Business Technology; Health Services; Human Services |
| 61085/61086 | Composition of Argumentation | Semester | 10 – 12 | None | Art/Communication; Human Services; Business Technology |
| 61271/61272 | Newspaper and Applied Journalism | Semester | 10 – 12 | Application | Art/Communication |
| 61290 | Yearbook | Year | 10 – 12 | Application Form and Teacher Permission | Art/Communication |
| 61455/61456 | Expository Writing | Semester | 9 – 12 | None | Art/Communication |
| 61457/61458 | Creative Writing | Semester | 10 – 12 | None | Art/Communication |
| 61465/61466 | Humanities (Music) | Semester | 9 – 12 | None | Art/Communication |
| 61468 | Humanities (Art) | Semester | 9 – 12 | None | Art/Communication |
| 61370 | Video Production (Media 1 & 2) | Year | 11 - 12 | Application and Staff Approval | Art/Communication |

English Flow Chart



Course Descriptions

Literature and Composition 9

Grade 9 • Year Course – 61050 • 1 Credit

This one-year course required for graduation will emphasize improvement in reading and writing skills. Thought organization, essay writing, writing mechanics, grammar, as well as exposure to a variety of written literature will be included in this course. The course will also cover listening, speaking, and research skills.

Honors Literature and Composition 9

Grade 9 • Year Course – 61100 • 1 Credit

Prerequisite: Summer reading

This one-year course fulfills the graduation requirement for ninth grade and will cover the curriculum of Literature and Composition plus additional novels and essays. The composition of this course is very challenging in nature and is intended for students who have a passion for literature and/or for students who wish to pursue Advanced Placement English in their twelfth grade year. The summer reading consists of four novels that must be read prior to the start of school. Each novel will be tested on within the first few weeks of school and those graded tests will be applied one per quarter during the school year.

American Literature and Composition

Grade 10 • Year Course – 61470 • 1 Credit

This one-year course is required for graduation. Emphasis in this class is placed upon improving reading, writing, speaking and research skills. Writing skills covered include a literary analysis, imaginative, and reflective writing. The literature covered include a literary analysis, imaginative, and reflective writing. The literature of this course explores the disposition of Critical Response and Stance. In addition to the required readings, connecting pieces of poetry, short stories, drama, and non-fiction will be explored.

Honors American Literature and Composition

Grade 10 • Year Course – 61480 • 1 Credit

Prerequisite: Summer reading

This one-year course fulfills the graduation requirement for tenth grade and will cover the same curriculum as American Literature and Composition plus additional novels and essays. The composition of this course is very challenging in nature and is intended for the students passionate about literature and/or students who wish to enroll in Advanced Placement English senior year. The summer reading consists of four novels that must be read prior to the start of school. Each novel will be tested on within the first few weeks of school and those graded tests will be applied one per quarter during the school year.

Literature and Composition 11

Grade 11 • Year Course – 61670 • 1 Credit

This one-year course is required for graduation and is designed to meet the Common Core standards in reading, writing, speaking, listening and research. Students will engage in close-reading of literature and non-fiction and will write for a variety of purposes. Emphasis will be placed on rhetorical analysis, literary analysis, and research/expository writing as SAT and college preparation.

English Department continued...

Honors Literature and Composition 11

Grade 11 • Year Course – 61680 • 1 Credit

Prerequisite: Summer reading

This one-year course will satisfy the eleventh grade English requirement for graduation. This course will cover all elements of Literature and Composition 11 plus additional novels and essays. This composition of this course is very challenging in nature and is intended for the students who have a passion for literature and/or for students who wish to enroll in an Advanced Placement English course in twelfth grade. Students who take this class will be required to read four novels over the summer before school starts. Each novel will be tested on within the first few weeks of school and those graded tests will be applied one per quarter during the school year.

World Literature and Composition

Grade 12 • Year Course – 61690 • 1 Credit

Prerequisites: Completion of all required English classes (9th, 10th, 11th grade years)

This one-year course will satisfy the English requirement for graduation and is recommended for the four year college-bound senior. Expectations are that students will be able to read and work independently outside of class as well as work collaboratively with their peers. Reading materials serve as a basis for essays and classroom discussions. Students will need to be able to demonstrate their writing proficiency both in and outside of class on various essays, constructed responses, and literary analysis pieces. Emphasis in this course will be placed on improving reading, writing, speaking and researching skills. The literature of this course will focus on building personal growth through interacting with various cultural books and viewpoints. Students will be introduced to the elements of fiction, various literary genres and their cultural and historical contexts.

Advanced Placement Literature and Composition

Grade 12 • Year Course – 61700 • 1 Credit

Prerequisite: Summer reading

This course follows the guidelines of the College Examination Board and is designed to prepare students for the AP English Literature and Composition test given in May (taking this AP test is NOT a requirement for the course). This course is for the exceptional English student who is willing to direct time and energy toward serious study of drama, poetry, prose and fiction. Background in writing mechanics must be sound. Students are encouraged, but not required, to supply their own texts.

Advanced Placement Language and Composition

Grade 11 - 12 - Year Course • 61800 • 1 Credit

Prerequisite: Summer reading

This course follows the guidelines of the College Examination Board and is designed to prepare students for the AP English Language and Composition test given in May (taking this AP test is NOT a requirement for the course). This course is for the exceptional English student who is willing to direct time and energy toward serious study of non-fiction texts, including synthesis and research. Students will develop skills in expository, analytical and argumentative writing. Background in writing mechanics must be sound. Students are encouraged, but not required, to supply their own texts.

Newspaper and Applied Journalism

Grades 10 – 12 • Semester Course • Semester 1 - 61271; Semester 2 - 61272 • 1/2 Credit

Prerequisite: Application

This is a hands on class designed to produce the Brighton High School newspaper. Students are responsible for all aspects of production, including funding of the newspaper. The course stresses news, feature, opinion and sports writing. Also included will be art, photography, and the business aspects of newspaper production. A strong background in English is highly recommended as is a good work ethic and the ability to work with others towards a common goal.

Speech

Grades 9 – 12 • Semester Course • Semester 1 – 61275; Semester 2 – 61276 • 1/2 Credit

Through the use of practical experiences, students will acquire the essential speaking and listening skills so critical in the modern day workplace. Students will work to relieve the anxiety and stress which the average person encounters in public speaking. As a collaborative environment we will learn organizational skills and gain awareness of the relationship between the speaker and the audience. Assignments may include informal speeches, group discussion, oral readings and persuasive speeches.

Composition of Argumentation

Grades 10 – 12 • Semester Course • Semester 1 – 61085; Semester 2 – 61086 • ½ Credit

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

Expository Writing

Grades 9 – 12 • Semester Course • Semester 1 – 61455; Semester 2 – 61456 • 1/2 Credit

This course is designed for those students who are below grade level in the area of written communication. It will examine the basic techniques of factual writing through the research process and through other forms of writing. Students will focus on the writing process as they learn/practice the skill of communicating effectively.

Creative Writing

Grades 10 – 12 • Semester Course • Semester 1 – 61457; Semester 2 – 61458 • ½ Credit

This course focuses on writing, reading, and presentation in various formats including: vignette, short story, the novel, poetry, stage-play, and screenplay. Multiple outside reading materials will be used to comprehend style, structure and meaning of the differing genres. Students must demonstrate command of standard English in order to apply poetic license required in creative writing. Through planning, peer-editing and revision students will create a final draft of each format to contribute to a culminating portfolio.

Humanities: Music

Grades 9 – 12 • Semester Course • Semester 1 – 61465; Semester 2 - 61466 • ½ Credit

Music Humanities is a course that follows the thread of American music from the 1800's to the present. Students begin by studying slave spirituals then move to the blues, jazz, rock and roll, Motown, Elvis Presley, The British Invasion, and The Beatles. Learning about these genres and artists involves reading articles, writing responses to formal and informal prompts, giving presentations, and listening to music. The goal of the class is to understand the relationship between music and society and to expose students to different types of music. The highlight of the class is a field trip to the Motown Museum in Detroit.

Humanities: Art

Grades 9 – 12 • Semester Course • Semester 2 - 61468 • ½ Credit

Students will examine the history of art from the earliest time to the contemporary era as art relates to the culture and sociological development in Western civilization. Students will write reviews, interviews, and documented essays. Students will also be expected to complete a hands-on art project.

English Department continued...

Mythology and Science Fiction

Grades 10 – 12 • Semester Course • Semester 1 – 61265; Semester 2 – 61266 • 1/2 Credit

The emphasis in this course will be to examine classical mythology with emphasis on Greek Myths. Students will also study the elements of modern science fiction by reading the works of selected authors, writing, and completing tasks and projects that encourage understanding of each element. This course will focus on the improvement of reading, writing, and listening skills. **Due to the mature content of this class, it is recommended for 11th or 12th grade students.**

Drama

Grades 9 – 12 • Semester Course • Semester 1 – 61277; Semester 2 – 61278 • ½ Credit

This semester course will focus on the fundamentals of Drama: stage directions, vocal exercises, play direction, play performance, backstage practice, cues, timing, memorization, teamwork, costuming, lighting, improvisation, playwriting and handling criticism as well as praise for your performance. During the semester class students will routinely perform improvisations, memorization of lines, daily vocal exercises, group exercises, individual performances, researching theatre, learning stage directions, cues, and etiquette. Each quarter will have a performance-based project: Quarter 1 Duos and Quarter 2 Monologues performed in front of classmates. Students will be writing both the duo scenes and the monologue, emphasizing playwriting.

Please note: This class is required if students wish to take Performing Arts.

This class may be used towards a 4th year English credit OR towards the Visual/Performing Arts credit.

Performing Arts

Grades 9 - 12 • Semester Course • Semester 1 - 61077; Semester 2 - 61078 • 1/2 Credit

Prerequisite: Successful completion of Drama

This is the follow up class to Drama, which takes all the same elements of the class and builds upon them. This class also adds Shakespeare: teaching about the history of his writing, the Globe Theatre, his plays, with some written analysis. There will be a focus on characterization, memorizing, improvisation, individual and group presentations, as well as required daily participation. Each quarter will have performance-based projects: Quarter 1 Monologues/Duos/ Trios and Quarter 2 will culminate in a final whole class play or a film-based project, "The Short". This will be a 10-minute film, written, acted, directed, and produced by students. Please note: This class may be used towards a 4th year English credit OR towards the Visual/Performing Arts credit.

The following course will NOT satisfy the English requirement:

Yearbook

Grades 10 – 12 • Year Course – Semester 1 - 61291; Semester 2 - 61292 • 1 Credit

Prerequisite: Application and teacher permission (Journalism experience encouraged).

Special permission form- from instructor may be granted should there not be enough qualified applicants or space available.

This is a hands-on production course. Students will be responsible for all aspects of the yearbook including design, content creation, advertising solicitation, and photography. It is highly recommended that students have a strong background in English for writing and editing. Students are required to work collaboratively and individually, and must be willing to meet established deadlines. Grades are determined by quality of work and ability to meet deadlines. **This class is co-curricular which means that time outside of class is expected.**

This class may be used towards a 4th year English credit only when taken as a senior or towards the Visual, Performing, and Applied Arts credit.

Video Production (Media 1 & 2)

Grades 11-12 • Year Long Course • 61370 • 1 credit

Prerequisite: Must complete an application and receive approval of staff.

This class is designed to study the technique, vocabulary, and disciplines related to video in the communication fields. This hands-on course explores camera operation, script writing, lighting, audio production, video editing and the effects of video on viewers. Students will use all the basic skills necessary to produce daily announcements, special video features, public service announcements, short films, and commercials. Students are expected to spend some time outside of the classroom to videotape projects, work in the studio/lab, and complete group work.

Course credit applies to Visual, Applied or Performing Arts graduation requirements or as an elective credit. This class will NOT count as a credit toward the English graduation requirement.

Family and Consumer Sciences Department

| Course number | Course name | Semester/year | Grade | Prerequisite | Career pathway |
|--|--------------------------------|-----------------|---------|---------------------------|---|
| 69265/69266 | Health Education | Semester | 9 | None | Health or Human Services |
| 69665/69666 | Personal Finance | Semester | 11 - 12 | None | Business Technology; Human Services |
| 69047/69048 | Bake Shop | Semester | 9 – 12 | None | Business Technology; Health or Human Services |
| 69055/69056 | Culinary Arts | Semester | 9 – 12 | None | Business Technology; Health or Human Services |
| 69035 | Child Development – Infancy | First Semester | 9 – 12 | None | Art/Communication; Health or Human Services |
| 69038 | Child Development – Pre School | Second Semester | 9 – 12 | None | Art/Communication; Health or Human Services |
| 69435/69436 (Year 1) 69433/69434 (Year 2) | Early Childhood Education | Year | 11 – 12 | Must complete application | Art/Communication; Business Technology; Health or Human Services |
| 69025/69026 | Personal Power | Semester | 9 – 12 | None | Art/Communication; Business Technology; Health or Human Services |
| 69411/69412 | Housing and Home Furnishings | Semester | 10 – 12 | None | Art/Communication; Engineering Technology; Human Services; Natural Resources |
| 69425/69426 | Successful Relationships | Semester | 9 – 12 | None | Art/Communication; Business Technology; Health or Human Services |
| 67920 | Teacher Cadet | Year | 11 - 12 | Must complete application | Art/Communication; Business Technology, Human Services |
| 60023/60024 | LINK | Semester | 11 - 12 | Must complete application | Human Services |

Course Descriptions

Health Education

Grade 9 • Semester Course • Semester 1 – 69265; Semester 2 – 69266 • ½ Credit Required Course

This required course is designed to teach students a variety of important life skills to help them develop and maintain healthy lifestyles. Areas of study include: Physical, mental and social health, CPR and first aid, disease prevention, substance abuse, nutrition, fitness, and reproductive health including contraceptive information. CPR training and completion is a mandatory graduation requirement that is included in the health curriculum.

Personal Finance

Grades 11 - 12 • Semester Course • Semester 1 – 69665; Semester 2 – 69666 • ½ Credit

This course will inform students how individual choices directly influence occupational goals and future earnings potential. Real world topics covered will include income, money management, spending and credit, as well as saving and investing. This course will provide an understanding for making informed personal financial decisions leading to financial independence. Qualifies for senior math credit if taken senior year.

Bake Shop

Grade 9 – 12 • Semester Course • Semester 1 – 69047; Semester 2 – 69048 • ½ Credit

This course will provide students with the opportunity to work cooperatively while learning basic to advanced baking skills and techniques. The student will appreciate food preparation as both a science and an art while meeting high expectations of consistency and performance.

Course satisfies the VPAA credit

Family and Consumer Sciences continued...

Culinary Arts

Grades 9 – 12 • Semester Course • Semester 1 - 69055 * Semester 2 – 69056 • 1/2 Credit

This course will focus on basic principles and methods of food preparation. The students will learn how to prepare delicious and nutritious soups, salads, main dishes and much more. Meal planning and nutrition will also be included.

Child Development – Infancy

Grades 9 – 12 • Semester Course • Semester 1 – 69035 • 1/2 Credit

Preparation will enhance your personal and professional relationships with children, whether you are a coach, teacher, doctor, psychologist, neighbor or caregiver. Responsibilities with children are constant and dynamic. Students will be able to participate in several simulation activities. The course content focuses on issues surrounding prenatal development and infancy. Observation at Pooh's Corner will also be included.

Child Development – Preschool

Grades 9 – 12 • Semester Course • Semester 2 – 69038 • 1/2 Credit

Children need attention from a variety of different sources in order to develop into the best possible individuals. This class will focus on all aspects of developing children. Parenting issues with their challenges and joys, will be discussed as well as how to address the needs of young children. Students will have the opportunity to participate in a variety of activities and projects. Preschool observation at Pooh's Corner will also be included.

Early Childhood Education (Pooh's Corner)

Grades 11 – 12 • Year Course (2 hours) – Year 1 - 69435/69436; Year 2 - 69433/69434 * 2 Credits

Prerequisite: Successful completion of Child Development Infancy or Preschool, Good attendance, Earned a B or better in the class. Must complete application and receive approval of program staff.

This course will provide a variety of experiences working directly with young children at childcare centers, kindergarten classrooms and our own preschool laboratory at Pooh's Corner. Students will be responsible for researching, planning and carrying out appropriate activities for children in Pooh's corner and at the community sites. This class is strongly recommended for students considering a career in preschool, kindergarten, or early elementary teacher, a child care center owner, director or teacher, a home day care provider, a special education, physical education or art teacher, social worker, child psychologist or recreation director. Articulated college credit may be available. Students must provide their own transportation.

Satisfies the VPAA Credit and/or 4th Year Math Credit

Personal Power

Grades 9 – 12 • Semester Course • Semester 1 – 69025; Semester 2 – 69026 * 1/2 Credit

The goal of this course is to provide students with the tools necessary to grow, and accept responsibility for their own success and happiness. Emphasis is placed on developing confidence, communication skills, and shaping one's destiny. Class participation is an important component of this course, and regular attendance is mandatory for the students to benefit from the valuable life lessons covered daily in the classroom.

Housing and Home Furnishings

Grades 10 – 12 • Semester Course • Semester 1 – 69411; Semester 2 – 69412 * 1/2 Credit

This course is designed to develop basic exterior and interior construction guidelines necessary to create a favorable environment for family living. Areas of study will include construction terms, floor plans, wall to floor coverings and interior design concepts. This course will culminate in a dream house project and a class presentation.

Satisfies the VPAA Credit

Successful Relationships

Grades 9 – 12 • Semester Course • Semester 1 – 69425; Semester 2 – 69426 * 1/2 Credit

During this course students will explore ways to optimize their relationships, and form realistic expectations for future relationships. Focus will be on skills necessary for building healthy families including the challenges of dating, learning to love, and forming mature relationships.

Teacher Cadet

Grades 11-12 * Year Course * 67920 * 1 Credit

Recommended Course Prerequisite: Child Development and Psychology

Must complete application and receive approval of program staff.

Teacher Cadet is an innovative year-long activity-based curriculum for high school juniors and seniors. The course is designed to provide students with an opportunity to explore, and experience first-hand, teaching as a profession. In this program, Teacher Cadets will be involved in the development and application of content, classroom observations, and actual teaching in a variety of educational settings at multiple levels from preschool to high school classrooms. Students will need to provide their own transportation. Enrollment is application-based with administrator approval.

Satisfies the VPAA Credit

LINK Program

Grades 11 – 12 • Semester Course • Semester 1 – 60023; Semester 2 – 60024 * 1/2 Credit * May be Year Long Course

Prerequisite: Must complete an application and receive approval of program staff.

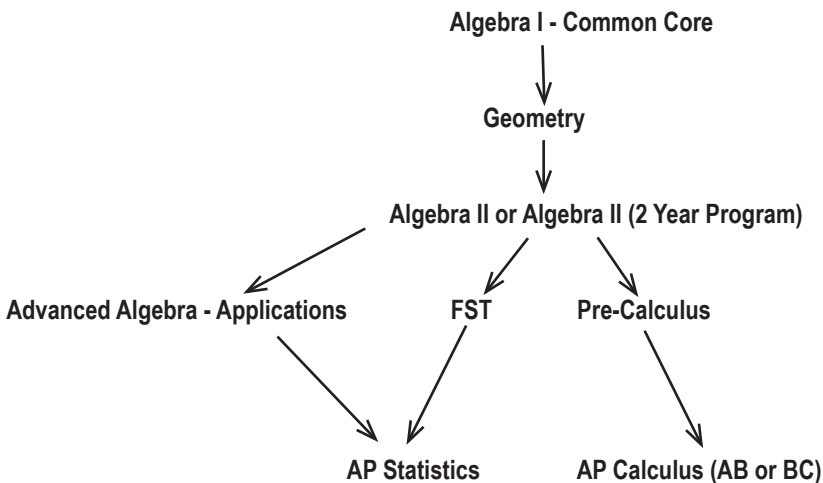
Description: The LINK student is trained as a peer mentor who will accompany a student with special needs to his/her general or special education classes. The LINK student will model and support appropriate academic and social strategy and behavior so that the student with special needs may meet success. Training requires time outside of the school schedule before the semester begins with on-going support provided throughout the semester. It does involve some lunch hours. Other responsibilities include, but are not limited to, daily journaling and maintaining attendance records, using good communication skills, reviewing and reflecting on current issues and a final project. This is a graded class.

Satisfies the VPAA Credit

Mathematics Department

| Course number | Course name | Semester/year | Grade | Prerequisite | Career pathway |
|---------------|---|---------------|---------|---|--|
| 63070 | Algebra I - Common Core | Year | 9 – 12 | None | Health; Business; Engineering |
| 63110 | Geometry | Year | 9 – 12 | Algebra I | Health; Business; Engineering |
| 63271/63272 | Algebra II | Year | 9 – 12 | Geometry | Health; Business; Engineering |
| 63280 | Algebra II (Year One) | Two Years | 10-12 | Geometry | Health; Business; Engineering |
| 63290 | Algebra II (Year Two) | Two Years | 10 - 12 | Geometry, successful completion of year one | Health; Business, Engineering |
| 63461/63462 | Functions, Statistics, and Trigonometry | Year | 10 – 12 | Algebra II | Business; Engineering; Natural Resources |
| 63481/63482 | Pre-Calculus | Year | 10 – 12 | Algebra II | Business; Engineering; Natural Resources |
| 63711-63712 | Advanced Placement Statistics | Year | 11 - 12 | FST or Pre-Calculus | Business; Engineering; Natural Resources |
| 63705/63706 | Advanced Placement Calculus - AB | Year | 11 - 12 | Pre-Calculus | Business; Engineering; Natural Resources |
| 63701/63702 | Advanced Placement Calculus - BC | Year | 11 - 12 | Pre-Calculus | Business; Engineering; Natural Resources |
| 63393/63394 | Advanced Algebra Applications | Year | 11 - 12 | Algebra II (One or two year program) | Business, Engineering; Natural Resources |

Flow Chart - BHS Math



Mathematics Department

Course Descriptions

Algebra I - Common Core

Grades 9 • Year Course • 63070 • 1 Credit

Prerequisite: To be successful in this course students must have mastered operations and simplifying of whole numbers, fractions and decimals, and be able to translate basic word problems into mathematical expressions or equations. Familiarity with a scientific calculator is helpful.

Topics covered in this course include statistics, geometry, linear equations, probability, functions, sets, exponential growth and compound interest. Emphasis is placed on problem solving, graphing and applications. **

Geometry

Grades 9 – 12 • Year Course • 63110 • 1 Credit

Prerequisite: Required Credit in Algebra I.

Students should be competent in basic arithmetic skill without a calculator. Students need to know the correct order of operations and be able to solve simple equations and graph linear equations without a calculator. Students need to be competent in mathematical interpretation of word problems.

This course will concentrate on coordinate geometry and transformations for the first half of the year. Working with proofs, formulas, measurement and three-dimensional figures are the main areas of study in the second half of the year. *

Algebra II

Grades 9 – 12 • Year Course • Semester 1 - 63271; Semester 2 - 63272 • 1 Credit

Prerequisite: Required: Credit in Geometry. (Recommended "B" or better in BOTH Algebra I - Common Core and Geometry)

Skills needed include an ability to solve linear equations, ease with all numerical calculations, both with and without calculators, and ability to manipulate mathematical symbols. Students are expected to know basic geometric formulas and theorems.

This course is recommended for all college-bound students. The work in this course will center on linear and quadratic equations, functions and powers and roots. Particular attention will be paid to logarithmic, trigonometric and polynomial functions. Functions will be used to model real-world situations. **

Algebra II (Two Year Program)

Grades 10 - 12 • Two Year Course • Year One - 63280 • Year Two - 63290 • 2 Credits

Prerequisites: Required Credit in Geometry and successful completion of year one in order to take the second year.

Recommended for students who desire a deeper understanding of advanced algebra concepts, but need additional time to demonstrate mastery. All material for Algebra II (One Year Program) will be taught, but at a less intensive pace. This course is designed to allow more time for understanding and applying linear and quadratic equations, functions and powers and roots. Particular attention will be paid to logarithmic, trigonometric and polynomial functions. Functions will be used to model real-world situations. This program requires a 2 year commitment. **

Functions, Statistics and Trigonometry (F.S.T.)

Grades 10 – 12 • Year Course • Semester 1 - 63461; Semester 2 - 63462 • 1 Credit

Prerequisite: Required: Credit in Algebra II. Recommended: A grade of C or better in Algebra II.

To be successful in this course students should know how to do basic skills on a graphing calculator, multiply and factor quadratic expressions, solve linear and quadratic equations, solve proportions, use rules for exponents, and use sine, cosine and tangent ratios.

This course integrates statistical and algebraic concepts and previews calculus in work with functions and limits. Calculators will be used for plotting functions, analyzing data and simulating experiments. Work with trigonometry and circular functions are also included in this course. This course is recommended for college-bound students. **

Pre-Calculus

Grade 10 - 12 • Year Course • Semester 1 - 63481; Semester 2 - 63482 • 1 Credit

Prerequisite: Required: Credit in Algebra II or Functions, Statistics and Trigonometry (F.S.T.)

Recommended: A grade of B or better in Algebra II. To be successful in this class students should be able to solve linear and quadratic equations, use a graphing calculator to graph equations using an appropriate window, and have good note taking and homework study skills.

This course should be taken only by students who plan on taking Advanced Placement Calculus in high school or Calculus in college. Topics included in this course are sequences, series, inductive proofs, vectors, functions (including polynomial) and an introduction to limits and derivatives. Trigonometry and circular functions will also be included. **

* Scientific calculators are suggested for these classes.

** Graphing calculators are suggested for these classes.

Teachers' presentations will utilize T183+ or T184 graphing calculators.

Math Department continued...

Advanced Placement Statistics

Grades 11 - 12 • Year Course * Semester 1 - 63711; Semester 2 - 63712 • 1 Credit

Prerequisite: Pre-Calculus or Functions, Statistics and Trigonometry (F.S.T.). Students need to have good communication skills as well as good algebra skills.

This is an introductory college level course in statistics. Four major themes will be covered: Exploratory data analysis, experimental design (planning a study), probability and statistical inference. The goal of the course is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data.**

Advanced Placement Calculus AB

Grades 11-12 * Year Course * Semester 1 - 63705; Semester 2 - 63706 * 1 Credit

Prerequisite: Credit in Pre-Calculus is required. Grade A or B highly recommended.

Student entering this course are expected to possess good skills with a graphing calculator, and be able to solve polynomial, trigonometric, logarithmic and exponential equations. Students will need to have excellent study skills, and be able to read a text effectively.

This is a course covering 1 semester of college calculus (covered over a full year) for the mathematically talented student. Included in this program will be a study of functions, analytic geometry, derivatives, integrals and beginning differential equations. Applications of these topics will be stressed. A graphic calculator is suggested for this class (TI-84+ recommended). Students in this class will be prepared to take the advanced placement calculus (AB) test for possible 1 semester of college credit.

**** Students are not allowed to take AB as juniors and BC as seniors - students must take one or the other.**

Advanced Placement Calculus BC

Grade 11-12 • Year Course * Semester 1 - 63701; Semester 2 - 63702 • 1 Credit

Prerequisite: Credit in Pre-Calculus is required. Grade A highly recommended. Students entering this course are expected to possess good skills with a graphing calculator, and be able to solve polynomial, trigonometric, logarithmic, and exponential equations. Students will need to have excellent study skills, and be able to read a text effectively.

This is a course covering 2 semesters of college calculus for the mathematically talented student. Included in this program will be a study of functions, analytic geometry, infinite series, derivatives, integrals and beginning differential equations. Applications of these topics will be stressed. A graphing calculator is suggested for this class (TI-84+ recommended). Students in this class will be prepared to take the advanced placement calculus (BC) test for possible 1 or 2 semesters of college credit.

**** Students are not allowed to take AB as juniors and BC as seniors - students must take one or the other.**

Advanced Algebra - Applications

Grades 11 - 12 * Year Course * Semester 1 - 63393; Semester 2 - 63394 * 1 Credit

Prerequisite: Completion of Algebra II (1 or 2 Year Program)

Applications based learning approach incorporating Algebra I, Algebra II and Geometry topics and how these concepts apply in everyday situations. This course supports students wishing a pre-college level course that covers mathematics principals applied to real world situations.

Students coming out of Algebra II, either the 1 Year or the 2 Year course, with an "A" or high "B" should strongly consider Pre-Calc or FST as options 1 or 2. Students who struggled with Algebra II (C or lower) should strongly consider the merits of this application based course.

** Scientific calculators are suggested for these classes.*

**** Graphing calculators are suggested for these classes.**

Teachers' presentations will utilize T183+ or T184 graphing calculators.

Music Department

| Course number | Course name | Semester/year | Grade | Prerequisite | Career pathway |
|---------------|------------------------------|---------------|---------|--|-------------------|
| 68145/68146 | Freshman Concert Band | Year | 9 | Recommendation or successful audition with Band Director | Art/Communication |
| 68153/68154 | Symphony Band/Marching Band | Year | 10 – 12 | Freshman Concert Band | Art/Communication |
| 68191/68192 | Wind Ensemble/ Marching Band | Year | 11 – 12 | Successful audition with Band Director | Art/Communication |
| 68185/68186 | Wind Symphony/Marching Band | Year | 11 – 12 | Symphony Band | Art/Communication |
| 68165/68166 | Jazz Band | Semester | 9 - 12 | Successful audition with band director | Art/Communication |
| 68125/68126 | Tenor Bass | Semester | 9 – 12 | None | Art/Communication |
| 68123/68124 | Treble I | Semester | 9 – 12 | None | Art/Communication |
| 68111/68112 | Treble II | Year | 9 – 12 | Permission of choral director; prior choral/vocal experience | Art/Communication |
| 68135/68136 | Treble III | Year | 10 – 12 | Audition, previous director's recommendation | Art/Communication |
| 68193/68194 | AP Music Theory | Year | 11 - 12 | Permission of director | Art/Communication |

Course Descriptions

Freshman Concert Band/Marching Band

Grade 9 • Year Course – 68145/68146 • 1 Credit

Prerequisite: A recommendation from a former director or a successful audition with the high school band director.

A one-year course designed for 9th grade band students. Students enrolling in this class will develop their skills as instrumental musicians and will be expected to perform at their highest ability at every scheduled practice and performance. Concert work is a requirement of the class (approximately one concert per quarter).

Symphony Band/Marching Band

Grades 10 – 12 • Year Course – 68153/68154 • 1 Credit

Prerequisite: Freshman Concert Band

A one-year course, designed for intermediate level band students, which includes both a marching and concert-style band experience. Students enrolling in this class will continue to develop their skills as instrumental musicians and be expected to perform at their highest ability at every scheduled practice and performance. Concert work is a requirement of the class (approximately one concert per quarter).

Wind Ensemble/Marching Band

Grade 11 – 12 • Year Course – 68191/68192 • 1 Credit

Prerequisite: Successful audition with the high school band director demonstrating proficiency of the skills developed from previous music classes

This course is designed for those students whose proficiency on their instruments is excellent and who have a good knowledge of music. The program includes both a marching and concert-style band experience and will continue the student's development of musical knowledge through various compositions and arrangements, which will challenge the student's abilities. Concert work is a requirement of the class (approximately one concert per quarter).

Jazz Band

Grades 9 – 12 • Semester course * Semester 1 - 68165; Semester 2 - 68166 * 1/2 Credit

Prerequisite: Successful audition with the high school band director demonstrating proficiency of the skills developed from previous music classes.

This course should be taken for the entire year. Jazz Band will explore the musical forms of jazz, rock, blues, swing and dance. Students in this course will have the opportunity to perform both in school and in the community. Extra time is expected (approximately one concert per quarter).

Music Department continued...

Wind Symphony

Grades 11 – 12 • Year Course – 68185//68186 • 1 Credit

Prerequisite: Symphony Band

A one year course, designed for intermediate/advanced level band students, which includes both marching and concert-style band experiences. Students enrolling in this class will continue to develop their skills as instrumental musicians and be expected to perform at their highest ability at every scheduled practice and performance. Concert work is a requirement of the class (approximately one concert per quarter).

Tenor Bass

Grade 9 – 12 • Semester Course • Semester 1 – 68125; Semester 2 – 68126 • ½ Credit

Students choosing this course must enjoy singing and possess a desire to improve musicianship skills. This choir is an opportunity to learn more about the singing voice and to develop music skills. Various styles of music will be performed including folk, pop, jazz, barbershop and traditional. Students are encouraged to enroll for the year but it is not required. Activities will include performing in the community and district/state festivals. A varsity letter may be earned in choir.

Treble I

Grades 9 – 12 • Semester Course • Semester 1 – 68123; Semester 2 – 68124 • ½ Credit

Students choosing this course must enjoy singing and possess a desire to improve musicianship. Course content will include learning the foundations of vocal techniques, basic concepts of choral/vocal music and developing music reading skills. Music performed varies from traditional to music from around the world along with folk, pop and jazz. Students are encouraged to enroll for the year but it is not required. Performances will include school, community and district/state festivals. A varsity letter may be earned in choir.

Treble II

Grades 9 – 12 • 68111/68112 • 1 Credit

Prerequisite: Successful audition with the high school choir director demonstrating proficiency of the skills developed from previous music classes.

The expected proficiency level and knowledge of the Advanced Treble Ensemble exceeds the confines of primary and rudimentary vocal techniques and choral literature. Students will demonstrate a strong vocal proficiency and knowledge of music fundamentals, i.e. note and rhythm reading and primary level sight-singing. The course will include: 1. Presentation of intermediate/advanced music theory and sight-singing materials, 2. Preparation and performance of diverse and challenging advanced choral literature, 3. Development of independent and small group learning, and 4. Participation in the MSVMA District and State Choral competitions. A varsity letter may be earned in choir.

Treble III

Grades 10 – 12 • Year Course – 68135/68136 • 1 credit

Prerequisite: Audition, previous director's recommendation.

This ensemble is for the vocal student who demonstrates a strong proficiency with her voice and in her music reading ability. A variety of musical styles will be performed with a focus on performing challenging choral music and developing overall musicianship skills. Activities will include concerts in the school and community, and district/state festivals. A varsity letter may be earned in choir.

AP Music Theory

Grades 11-12 • Year Course • Semester 1 - 68193; Semester 2 - 68194 • 1 Credit

Prerequisite: Students who take this course must be approved by the teacher.

Students who enroll in the course will learn to recognize, understand and describe the basic materials and processes of music that are heard or presented in a score. Students will be required to develop aural skills, sight singing skills, written skills, compositional skills and analytical skills. Students will acquire these skills using notation, intervals, scales, chords, rhythmic patterns and metric organization. The class will address these concepts by listening to and analyzing many different styles, genres and cultures of music. Additionally, students will build on these foundations through composition analysis of musical literature. Students will be prepared to take the AP Music Theory exam at the conclusion of the course.

Satisfies the 4th Year Math Credit Requirement

Physical Education Department

| Course number | Course name | Semester/year | Grade | Prerequisite | Career pathway |
|---------------|------------------------------|------------------|---------|---|---|
| 69901/69902 | Physical Education Readiness | Semester | 9 - 12 | None | Health Services; Human Services |
| 69921/69922 | Team Sports | Semester or Year | 9 – 12 | Physical Education Readiness | Health Services; Human Services |
| 69923/69924 | Individual Sports | Semester or Year | 9 - 12 | Physical Education Readiness | Health Services; Human Services |
| 69925/69926 | Recreational Sports | Semester or Year | 9 - 12 | Physical Education Readiness | Health Services; Human Services |
| 69985/69986 | Physical Education Assistant | Semester or Year | 11 – 12 | Physical Education Readiness | Health Services; Human Services; Arts/Communications |
| 69935/69936 | BFS Weight Training | Semester or Year | 9 – 12 | Physical Education Readiness | Health Services; Human Services |
| 69945 | Nutrition & Fitness | Semester | 10 - 12 | Physical Education Readiness | Health Services; Human Services |
| 69947 | Sports Tech | Semester | 10 - 12 | Physical Education Readiness | Health Services; Human Services |
| 69948 | Sports Tech | Semester | 9 - 11 | Physical Education Readiness | Health Services; Human Services |
| 69983/69984 | Sports Management | Semester or Year | 11 - 12 | Teacher Approval | Health Services; Human Services; Arts/Communications |
| 69927 | Aquatics Basics | Semester | 9 - 12 | Physical Education Readiness, Teacher Approval | Health Services: Human Services |

Course Descriptions

Physical Education Readiness

Grades 9 - 12 • Semester Course • Semester 1 - 69901

Semester 2 - 69902 • ½ Credit

Student will reach competency using the BFS weight-training system. In addition, the course will focus on the understanding and practice of basic skills and techniques of individual, team, and recreational sports. Grading will consist of in-class participation, written/skill assessments, and homework/in-class assignments.

Team Sports

Grades 9 - 12 • Semester Course • Semester 1 - 69921

Semester 2 – 69922 • ½ Credit

Prerequisite: Physical Education Readiness or Teacher Approval

This course will focus on the understanding and practice of basic skills and techniques of team sports. Instruction will include, but not be limited to basketball, volleyball, soccer, softball, and football. Grading will consist of in-class participation, written/skill assessments, and homework/in-class assignments.

Individual Sports

Grades 9 - 12 • Semester Course • Semester 1 - 69923

Semester 2 – 69924 • ½ Credit

Prerequisite: Physical Education Readiness or Teacher Approval

This course will focus on the understanding and practice of basic skills and techniques of individual sports. Instruction will include, but not be limited to golf, badminton, pickleball, and disc-golf. Grading will consist of in-class participation, written/skill tests, and homework/in-class assignments.

Recreational Sports

Grades 9 - 12 • Semester Course • Semester 1 – 69925

Semester 2 – 69926 • ½ Credit

Prerequisite: Physical Education Readiness or Teacher Approval

This course will focus on the understanding and practice of basic skills and techniques of recreational sports. Instruction will include, but not be limited to swimming, team handball, ultimate Frisbee, and softball. Grading will consist of in-class participation, written/skill tests, and homework/in-class assignments.

Physical Education Assistant

Grades 11 - 12 • Semester Course • Semester 1 – 69985

Semester 2 – 69986 • 1/2 Credit • Pass/Fail Credit

Prerequisite: Physical Education. Must be a junior or senior with department coordinator permission.

A one semester or one-year course. Assistants will be used in Foundation physical education courses. This program is designed to allow those students who have demonstrated a proficiency in sports and a desire to work with other students the opportunity to participate in the teaching of physical education. The job will be to assist the teacher in various tasks and display a good attitude for other students to follow. Assistant application form is required.

Physical Education Department continued...

BFS Weight Training

Grades 9 - 12 • Semester Course • Semester 1 - 69935

Semester 2 - 69936 • ½ Credit

Prerequisite: Physical Education Readiness or Teacher Approval

The purpose of this course is for the student to understand and practice the basic skills and techniques of weight and speed training. The main objective is for students to obtain knowledge and practice weight and speed training, nutrition, stretching, and muscle identification. Grading consists of in-class participation, written quizzes and tests, and homework/in-class assignments.

Nutrition and Fitness

Grades 9 - 12 • Semester Course • Only Semester 1 – 69945 • ½ Credit

Prerequisite: Physical Education Readiness or Teacher Approval

The student will reach competency using the modern nutritional techniques and basic fitness fundamentals. Instruction will focus on BFS body shaping system and will also include, but not limited to weight room safety, plyometrics, flexibility, aerobic/anaerobic training systems, agility based exercises, yoga and cross-fit/boot camp training. Grading will consist of in-class participation, final project, and group or individual assignments.

Sports Tech

Grades 10 – 12 • Semester Course • Only Semester 1 - 69947 • ½ Credit

Prerequisite: Physical Education Readiness or Teacher Approval

Students will practice sport-specific training methods as well as BFS weight-training system. Instruction will include, but not limited to sport-specific drills, plyometrics, flexibility, speed and agility. Grading will consist of in-class participation, final project, and BFS weight-lifting log.

Focus sports: Baseball/Softball, Track & Field, Lacrosse, Soccer, Wrestling, Basketball, Rugby

Sports Tech

Grades 9 – 11 • Semester Course • Only Semester 2 – 69948 • ½ Credit

Prerequisite: Physical Education Readiness or Teacher Approval

Students will practice sport-specific training methods as well as BFS weight-training system. Instruction will include, but not limited to sport-specific drills, plyometrics, flexibility, speed and agility. Grading will consist of in-class participation, final project, and BFS weight-lifting log.

Focus sports: Football, Volleyball, Cross Country, Cheer, Pom, Golf, Tennis

Sports Management

Grades 11 – 12 • Semester Course • Semester 1 – 69983

Semester 2 – 69984 • Pass/Fail Credit • ½ Credit

Prerequisite: Teacher Approval

Sports management is a course which provides students with the opportunity to learn essential concepts and principals applied to the field of sports. Students will monitor the safety of the class participants in cooperation with the instructor, aid students with the focus points of lessons, provide individualized instruction, and co-facilitate organized group activities.

Any elective P.E. class may be taken as soon as student completes P.E. It is possible to take P.E. class first semester and an elective P.E. class 2nd semester.

**Students may only select one Physical Education class per semester.*

Aquatics Basics

Grades 9-12 • Semester Course -- 69927 • 1/2 Credit

Prerequisite: Physical Education Readiness , Teacher Approval

This course will focus on the understanding and practice of basic swimming skills and techniques of individual strokes and kicks. Instruction will include, but not be limited to pool & water safety, front crawl, side stroke, elementary backstroke, treading water, and basic lifeguarding techniques. Grading will consist of in-class participation, written/skills tests, and homework/in-class assignments.

Science Department

| Course number | Course name | Semester/year | Grade | Prerequisite | Career pathway |
|---------------|--|---------------|---------|---|--|
| 64070 | Biology | Year | 9 | None (Required) | Health Services; Natural Resources; Business Technology |
| 64501/64502 | A. P. Biology | Year | 11 – 12 | Biology & Chemistry | Health Services; Natural Resources; Human Services |
| 64521/64522 | A. P. Chemistry | Year | 11 – 12 | Chemistry and Algebra II | Engineering Technology; Health Services; Natural Resources |
| 64561/64562 | A.P. Environmental Science | Year | 10 - 12 | Grade 10: A in Biology with teacher recommendation and Geometry or higher Grades 11 & 12: Biology & Chemistry (B or better) | Natural Resources |
| 64541/64542 | A. P. Physics I Algebra Based | Year | 11 - 12 | Algebra II, Preferably Analysis or Calculus taken concurrently. No prior course work in physics is necessary. | Engineering Technology; Health Services; Natural Resources |
| 64543/64544 | A.P. Physics 2 Algebra Based | Year | 11 - 12 | AP Physics I | Engineering Technology; Health Services; Natural Resources |
| 64171/64172 | Anatomy and Physiology | Year | 11 – 12 | Successful completion of two years of Science | Health Services; Natural Resources; Art/Communication |
| 64457/64458 | Astronomy | Semester | 11 – 12 | Successful completion of two years of Science | Natural Resources; Human Services |
| 64441/64442 | Botany | Semester | 10 – 12 | Successful completion of two years of Science or department approval | Natural Resources; Art/Communication; Human Services |
| 64271/64272 | General Chemistry | Year | 10 – 12 | Biology and Algebra I | Engineering Technology; Health Services; Natural Resources |
| 64471/64472 | Physics | Year | 11 – 12 | Biology | Engineering Technology; Health Services; Natural Resources |
| 64531/64532 | Organic - The Chemistry of Fuels and Foods | Semester | 11 – 12 | Successful completion of two years of Science | Engineering Technology; Health Services; Natural Resources |
| 64273/64274 | Chemistry | Year | 10 - 12 | Biology with at least a B-, math requirements per course description | Engineering Technology; Health Services; Natural Resources |
| 64443/64444 | Forensics | Semester | 11 - 12 | Biology and Chemistry | Health Services; Natural Resources; Art/Communication |

Flow Chart

Minimum Requirement for Graduation ~ Three credits ~ Students must earn a credit in Biology, and in Chemistry or Physics, and one additional credit in Elective Science.

Minimum Requirement for Graduation ~ Three years

Ninth grade - Biology → Tenth grade - Chemistry → Eleventh grade Physics

Recommended for College-bound students ~ 3 – 4 years

Ninth grade - Biology → Tenth grade - General Chemistry → Eleventh grade - Physics → Twelfth grade - Elective

Recommended for College-bound Science Majors ~ 4 years

Ninth grade - Biology → Tenth grade - Chemistry → Eleventh grade - AP Science or Physics → Twelfth grade - AP Science or Elective

Electives Offered

Advanced Placement Biology
 Advanced Placement Chemistry
 Advanced Placement Environmental Science
 Advanced Placement Physics I and 2

Anatomy and Physiology
 Astronomy
 Forensics
 Botany

Chemistry
 General Chemistry
 Physics
 Organic - the Chemistry of Fuels and Food

Science Department

Course Descriptions

Biology

Grade 9 • Year Course * 64 070 * 1 Credit

Required: This course is required for all ninth grade students.

Biology offers the study of ecology, biochemistry, cells, energetics, chromosomes, cell division, genetics, and evolution. This course includes a variety of lab work and activities that require critical thinking.

After both semesters, successful students will earn one credit in "Biology" toward the Michigan Merit Graduation Requirements.

Advanced Placement Biology

Grades 11 – 12 • Year Course • Semester 1 - 64501; Semester 2 -64502 • 1 Credit

Prerequisite: Successful completion of Chemistry (recommended B or better)

The Advanced Placement Biology course includes topics regularly covered in an introductory biology course for science majors. This course surveys areas of biological study including ecology, biochemistry, molecular biology, genetics, botany and physiology. The class will be taught at a pace similar to the college level with the course material presented through both lecture and laboratory exercises. Throughout the year, students will have the opportunity to hear guest lectures and participate in voluntary off campus laboratory experiences. The Science Department recommends that students enrolled in this course plan to take the Advanced Placement Exam.

Successful students may use one credit in "Elective Science" toward the Michigan Merit Graduation Requirements.

General Chemistry

Grades 10 – 12 • Year Course • Semester 1 - 64271; Semester 2 - 64272 • 1 Credit

Prerequisite: This is traditionally a sophomore class, and all students are expected/required to complete a year-long Chemistry course. The other option to meet State requirements is Chemistry.

General Chemistry is the study of the composition of materials and their basic elements from the atom through complex molecules, their changes, historic and practical applications, family and analytical relationships. This course includes mathematical problem-solving, demonstrations and student laboratory experiments.

This course is designed for students wishing to meet the Michigan Merit Graduation Requirements. After both semesters, successful students will earn one credit in "Chemistry". This course should be considered less rigorous than Chemistry.

Chemistry

Grades 10 - 12 • Year Course • Semester 1 - 64273 • Semester 2 - 64274 • 1 Credit

Prerequisite: Students selecting this course should be self-motivated students that earned at least a B- in Biology. Freshmen in Algebra I should be earning an A and have a recommendation from their teacher. Freshmen in Geometry or above should have a B-average or higher.

Chemistry is the study of the composition of materials and their basic elements from the atom through complex molecules, their changes, historic and practical applications, family, and analytical relationships. This course includes mathematical problem-solving, demonstrations and student laboratory experiments.

This course is designed for the student wishing to pursue a scientific/mathematical career, or attend a traditional liberal arts college.

Advanced Placement Chemistry

Grades 11 – 12 • Year Course * Semester 1 - 64521; Semester 2 - 64522 • 1 Credit

Prerequisite: Successful completion of Chemistry (recommended B or better), Algebra II taken previously or concurrently

AP Chemistry is designed to be the equivalent of a first -year general college chemistry course. The class will review and build on core skills and concepts from Honors Chemistry, and introduce and explore more advanced topics such as Kinetics, Equilibrium, Thermodynamics, and Electrochemistry. Students will engage in problem solving and lab work that will develop their higher order critical thinking skills and require them to make connections across the domains of chemistry. The large majority of students taking this course will take the AP exam in May and earn either one or two semesters of college credit in chemistry. Successful students may use one credit in "Elective Science" toward the Michigan Merit Graduation Requirements.

Physics

Grades 11 – 12 • Year Course * Semester 1 - 64471; Semester 2 - 64472 • Credit: 1

Prerequisite: Successful completion of Biology

The Physics course is the study of matter and energy including the natural laws governing mechanics, motion, forces, kinematics, energy, waves, sound, light and electricity. This course includes mathematical problem-solving, demonstrations and student laboratory experiments. After both semesters, successful students will earn one credit in "Physics" or "Elective Science" toward the Michigan Merit Graduation Requirements, or as an alternative, students can earn one Senior Year Math Credit.

Advanced Placement Physics I - Algebra-Based

Grade 11 - 12 or department approval • Year Course • Semester 1 - 64541; Semester 2 - 64542 • 1 Credit

Prerequisite: Algebra II, Preferably Analysis or Calculus taken concurrently. No prior course work in Physics is necessary.

The Advanced Placement Physics 1 course is equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It also introduces electric circuits. The course emphasizes the development of problem-solving ability. The Science Department recommends that students enrolled in this course plan to take the Advanced Placement Exam.

Successful students may use one credit in "Physics" or "Elective Science" toward the Michigan Merit Graduation Requirements.

Advanced Placement Physics 2 - Algebra Based

Grade 11 -12 • Year Course • Semester 1 - 64543, Semester 2 - 64544; 1 Credit

Prerequisite: Advanced Placement Physics I

The Advanced Placement Physics II course covers fluids, thermodynamics, electricity, magnetism, and optics and nuclear physics. The course emphasizes inquiry-based learning and developing scientific critical thinking and reasoning skills. The Science Department recommends that students enrolled in this course plan to take the Advanced Placement Exam.

Successful students may use one credit in "Physics" or "Elective Science" toward the Michigan Merit Graduation Requirements.

Science Department continued...

Astronomy

Grades 11 – 12 • Semester Course • Semester 1 – 64457 • Semester 2 - 64458 ½ Credit

Prerequisite: Successful completion of two credits of science.

Astronomy is an advanced space science course that is designed to introduce students to the theories and applications of astrophysics, and to familiarize students with sky observations and space exploration concepts. Students will work on problem-solving using scientific notation and basic algebra skills. This course includes a variety of lab work and activities that require critical thinking.

Successful students may use 1/2 credit in “Elective Science” toward the Michigan Merit Graduation Requirements.

Botany

Grades 10 – 12 • Semester Course • Semester 1 – 64441 • Semester 2 – 64442 • ½ Credit

Prerequisite: Successful completion of two credits of science or department approval.

Botany is the study of the Biology of Plants. Students will learn about the importance and uses of plants in our world. They will learn about the parts of plants and how they function. Also explored in this one semester course are various methods of plant reproduction and a plant’s effect on its ecosystem. The course includes a variety of lab investigations and activities that require critical thinking. Students will work with plants daily in a variety of situations, inside, outside, and in the greenhouse.

Successful students may use 1/2 credit in “Elective Science” toward the Michigan Merit Graduation Requirements.

Advanced Placement Environmental Science

Grades 10-12 • Year Course • Semester 1 - 64561; Semester 2 - 64562 • 1 Credit

Prerequisite: For Grade 10 only: An A in Biology and a recommendation from Biology teacher and successful completion of Geometry or higher. For Grades 11 and 12: Successful completion of Biology and Chemistry (recommended B or better).

The Advanced Placement Environmental Science course leads students in exploring Earth systems, by investigating concepts involving the living world and its interactions with land and water use, energy resources and consumption. There is a special emphasis on examining pollution and its impacts on the economy, the environment, and global climate change.

The Science Department recommends that students enrolled in this course plan to take the Advanced Placement Exam.

Successful students may use one credit in “Elective Science” toward the Michigan Merit Graduation Requirements.

Organic - The Chemistry of Fuels and Food

Grades 11 – 12 • Semester Course • Semester 1 – 64531; Semester 2 – 64532 • 1/2 Credit

Prerequisite: Successful completion of two credits of science.

Students electing this course will learn about the chemistry behind fuels and food. A main focus will be on how these topics affect our society and relate to real-world problems that scientists are called on to investigate and solve. The basics of organic molecules, their structure and reactions, and chemical laboratory experiences will be incorporated. The course includes a variety of lab work and activities that require critical thinking.

Successful students may use 1/2 credit in “Elective Science” toward the Michigan Merit Graduation Requirements.

Anatomy and Physiology

Grades: 11 – 12 • Year Course • Semester 1 - 64171; Semester 2 - 64172 • 1 Credit

Prerequisite: Successful completion of two credits of science.

Anatomy and Physiology will cover the structure and function of human body systems. A major portion of Anatomy and Physiology will involve laboratory investigations. Current medical approaches, discoveries, and technology are included throughout the course. Students will understand the relationships between body systems and how they contribute to the survival of the human organism. Emphasis in the class is guided by our major principles: laboratory-based/hands-on approach, comparison of homeostasis to disease, relationships of structure to function, and relevance to students’ lives.

Successful students may use one credit in “Elective Science” toward the Michigan Merit Graduation Requirements.

Forensics

Grades 11 - 12 • Semester Course • Semester 1 - 64443 • Semester 2 - 64444 • 1/2 Credit

Prerequisite: Biology and Chemistry

The main focus of this course is an emphasis of the evidential value of a crime scene and related evidence and the services of what has become known as the crime laboratory. This course combines basic theory and real laboratory experiments, creating an experiment based situation for the application of deeper understanding for the students. The experiments used reinforce previously learned scientific principles rooted in Biology, Chemistry and Physics as well as incorporating Earth Science, Anatomy and Physiology.

Social Studies Department

| Course number | Course name | Semester/year | Grade | Prerequisite | Career pathway |
|---------------|--|---------------|---------|---|--|
| 62250 | United States History and Geography (required) | Year | 9 | None | Human Services; Art/Communication |
| 62051/62052 | World History and Geography (required) | Year | 10 | None | Human Services; Art/Communication |
| 62451/62452 | Civics (required) | Semester | 11 | None | Health Services; Human Services |
| 62453/62454 | Economics (required) | Semester | 11 | None | Health Services, Human Services |
| 62461/62462 | Close-Up Government/ Economics | Year | 11 - 12 | None | Health Services, Human Services |
| 62741/62742 | Advanced Placement United States Government & Politics | Year | 11 - 12 | None | Health Services, Human Services |
| 62465/62466 | Current Events | Semester | 10 – 12 | Passing grade in U.S. History | Health Services; Natural Resources; Human Services |
| 62701/62702 | Advanced Placement United States History | Year | 10 – 12 | None | Human Services; Art/Communication |
| 62711/62712 | Advanced Placement European History | Year | 10 - 12 | None | Human Services, Art/Communication |
| 62271/62272 | Military History: Civilization and Conflict | Semester | 10 - 12 | Passing grade in U.S. and/ or World History | Human Services, Art/Communication |
| 62265/62266 | Sociology | Semester | 11 - 12 | None | Business Technology; Health Services; Human Services |
| 62255/62256 | Psychology | Semester | 10 - 12 | None | Business Technology; Health Services; Human Services |
| 62721/62722 | Advanced Placement Psychology | Year | 11 - 12 | None | Business Technology; Health Services; Human Services |
| 60041/60042 | Student Leadership | Semester | 11 - 12 | See description | Art/Communication; Business Technology; Health or Human Services |
| 62053/62054 | Advanced Placement World History | Year | 10 - 12 | None | Human Services, Art/Communication |
| 62457 | Postwar America - The American Dream | Semester | 11 - 12 | Passing grade in U.S. History | Health Services, Human Services |
| 62458 | Postwar America - Troubled Times | Semester | 11 - 12 | Passing grade in U.S. History | Health Services, Human Services |

Social Studies Department

Course Descriptions

United States History and Geography

Grades 9 • Year Course * 62250 • 1 Credit

All freshmen are required to take this year long course for graduation credit. This class continues the study of American History begun in the eighth grade. The course will focus on American economic, political and social life from the 1870's to the present.

World History and Geography

Grades 10 • Year Course * Semester 1 - 62051; Semester 2 - 62052 • 1 Credit

World History and Geography is a full year course required for graduation. The course focuses on eras of human history from Roman times to the present.

The course requires the use and application of the following skills:

- Critical thinking
- Essay writing
- Group participation and cooperation
- Listening skills
- Art appreciation
- Music and video interpretation

Civics

Grade 11 • Semester Course • Semester 1 – 62451; Semester 2 – 62452 • ½ Credit

Civics is a one semester course required for high school graduation. This course examines government at the federal, state and local levels. Throughout the course students will consider the ways in which government in this country is organized, the ways in which people participate, the many things the government does and the way it does them.

Economics

Grade 11 • Semester Course • Semester 1 – 62453; Semester 2 – 62454 • ½ Credit

Economics is a one semester course required for high school graduation. The focus of the course includes economic principles at the macro and micro level, as well as personal financial literacy. The over arching problem of scarcity is an integral part of the course. Students deepen their prior knowledge of basic economic concepts and apply them to national and international economic systems. Students study how interactions of buyers and sellers impact prices as well as the role of trade-offs and incentives in consumer and business decisions. Students use their economic knowledge to make informed decisions as consumers and to participate as citizens in deciding matters of economic policy.

Close-up Government/Economics

Grades 11 – 12 • Year Course * Semester 1 - 62461; Semester 2 - 62462 • 1 Credit

This year-long class is being offered as an alternative to civics and economics. Students taking Close Up Government/Economics will earn their required semester credit for civics in addition to a semester credit for economics. Close Up is for any student who wants to experience government and political and economic policy using a hands on approach. Students choosing this class are required to travel to Washington, D.C. to participate in a week-long workshop with other students from across the nation.

The cost of this program is approximately \$1,850 and is the responsibility of the student. Partial fellowships are available for students who qualify for financial aid. Students should be committed to the program when they request the class.

A \$400 nonrefundable trip deposit is required before the last day of school.

Current Events

Grades 10 – 12 • Semester Course; Semester 1 – 62465 ; Semester 2 – 62466 • ½ Credit
Prerequisite: Passing grade in U.S. History

Current Events is a seminar course that explores some of the most compelling issues facing the United States and the World today. Students will become critical users of all forms of media as they learn about a variety of regional, national and international issues. The Current Events course has an online component where students interact with a classroom website to access information, participate in discussion forums and blogs, and submit assignments in an online format. Students may take this course more than once for elective Social Studies credit.

Advanced Placement United States Government & Politics

Grades 11 - 12 * Year Course * Semester 1 - 62741; Semester 2 - 62742 * 1 Credit

Prerequisite: Strong interest in academic performance and in the study of U.S. Government and Politics; ability to read, write and study independently is required.

This year-long class is being offered as a combination civics and Advanced Government course in preparation for the AP United States Government Exam. Students taking Advanced Government will earn their required semester credit for civics in addition to credit for Advanced Government (with a weighted grade).

Students choosing this class will have the **option** to travel to Washington D.C. to participate in a week long workshop with other students from across the nation. The Close Up Trip is for any student who wants to experience government and politics using a hands on approach. The cost of this program is approximately \$1850.00 and is the responsibility of the student. Fellowships are available for students who qualify for financial aid. A \$300.00 non-refundable deposit will be collected at the beginning of the school year for those wishing to go on the trip.

Postwar America - The American Dream

Grades 11 -12 * Semester Course * Semester 1 - 62457* 1/2 Credit

Prerequisite: Passing grade in U.S. History

Postwar America - The American Dream is a one-semester class that examines the struggles of various groups in America to obtain the American Dream in the decades following World War II. The course will examine the economic and demographic changes in the postwar period. Topics include: The Golden Age of Capitalism, The Development of the Suburbs and the Interstate Highway System, The 1973 Oil Embargo and the end of the Global Age of Capitalism, Trickle Down Economics; Globalization, and the 2008 Financial Collapse. The course will also examine the various movements by disenfranchised groups to gain political and economic equality. Topics include; The Civil Rights Movement, The Women's Movement, The Native American Movement, The Gay Rights Movement, The Hispanic Rights Movement, and the Asian American Rights Movement. This is a media and document based class in which students will receive a grade based on daily work, homework, projects, and quizzes.

Postwar America - Troubled Times

Grades 11 – 12 • Semester Course • Semester 2 – 62458 • 1/2 Credit

Prerequisite: Passing grade in U.S. History

Postwar America - Troubled Times is a one-semester history course that examines the issues and trends that have troubled Americans in the decades following World War II. The course will emphasize the following topics; The Red Scare, Fear and Popular Culture in the 1950's; Crime, The Assassinations of the Sixties, Protests and Political Movements, Cults, The Nixon Presidency & Watergate, Domestic Terrorism, Serial Killers, The War on Drugs & Incarceration of America, Hurricane Katrina; Conspiracy Theories, Fake News, and American Tribalism. This is a media and document-based class in which students will receive a grade based on daily work, homework, projects, and quizzes.

Social Studies Department continued...

Advanced Placement United States History

Grades 10 – 12 • Year Course – Semester 1-62701; Semester 2-62702 • 1 Credit

A one-year course designed to study and assess American history from exploration and colonization through the present. Students will identify political history, foreign affairs, economic and social development, and literary and cultural history in conjunction with the course. Students are expected to analyze and interpret primary sources including documentary material, maps, statistical tables, pictorial and graphic evidence of historical events. The student will be expected to develop a chronological view of U.S. History through major interpretive questions derived from the study of selected themes and to draw upon a reservoir of systematic factual knowledge in order to exercise analytical skills intelligently. The student must develop skills necessary to arrive at conclusions on the basis of an informed judgment and to present ideas clearly and persuasively in essay format. This course prepares the student for the college bound Advanced Placement Examination, paid for at student expense. It is recommended that students have a strong interest in U.S. history and demonstrate strong performance in previous Social Studies classes. The ability to read and write well is imperative to success in the course.

Advanced Placement European History

Grades 10 - 12 • Year Course – Semester 1-62711; Semester 2- 62712 • 1 Credit

A one-year course designed to study the major trends and events in European History that occurred from approximately 1450 to the present day. In addition to providing exposure to the factual narrative, the goals of the Advanced Placement European History program are to develop: (a) an understanding of some of the principal themes in modern European history; (b) an ability to analyze historical evidence, and (c) an ability to express that understanding.

Students who consider this course should be self-motivated and willing to read at an accelerated rate. The course is designed to be student-centered. Students must be willing and able to communicate via discussions, and simulations. This course prepares students for the College Board Advanced Placement Examination. This course is only offered every other year. Will be offered in the 2018-2019 school year, and 2020-2021 school year.

Military History: Civilization and Conflict

Grades 10 - 12* Semester Course* Semester 1-62271; Semester 2 - 62272* 1/2 Credit

*Prerequisite: Passing grade in U.S. and/ or World History

Military History: Civilization and Conflict is a semester long course that examines one of the most dynamic elements of history. From ancient times to the modern day, military conflict and the threat of military conflict has shaped the course of history. Conflict is as important in determining the course of mankind as political, social, and economic issues. Conflict has dethroned kings, toppled mighty empires, dictated foreign policy, and pitted civilizations against one another. This course will examine the history of military conflict around the world with special emphasis placed on the cause and effect military affairs, the teachings of Sun-Tzu, Clausewitz, and Patton, the role of the soldier in society, the political and technological innovations which determine the outcomes of military action, black/ special operations and small unit tactics, military disasters and blunders, David v. Goliath match-ups, 20th Century Warfare, the future of war, and the development of military institutions in civilization. This class will appeal to a wide variety of students with a variety of learning styles. The instructor will incorporate research-based papers, interpretation of primary and secondary sources, hand-on projects, simulations, analysis of visual media, online research, guest speakers offering first-hand accounts, and class discussions.

Psychology

Grades 10 – 12 • Semester Course • Semester – 62255; Semester 2 – 62256 • ½ Credit

This semester course introduces students to the psychology of human behavior with group experiments, sample surveys, tests, interviews and role-playing. Among the topics covered will be learning and thinking, perception, emotion, adjustment, personality and intelligence.

Sociology

Grades 11 – 12 • Semester Course • Semester 1– 62265; Semester 2 - 62266* ½ Credit

This semester course will introduce students to sociology - the scientific study of human society and social behavior. The overarching goal of the course is to help students understand how individual human development is a group experience from infancy to old age, how the social world impacts their lives, and how they, in turn, affect the lives of others in this social world. All areas of social life will be examined including culture, religion, schools, family, gender, race, class, stratification/inequality, and crime/ defiance. The main focus of the course will be on the ways in which our behavior is influenced by groups; the nature and functions of the social institutions which we have created; and the relationship that exists between the individual and society. (Formerly known as History of Social Behavior)

Advanced Placement Psychology

Grades 11 - 12* Year Course* Semester 1 - 62721; Semester 2 - 62722* 1 Credit

Prerequisite: Strong interest in academic performance and in the study of human behavior and mental processes; ability to read, write and study independently is required.

A one year course that is designed to study the scientific approach of mental processes and behavior of humans and other animals. Students will be immersed into psychological research, studies, experiments, and other aspects that help explain why humans operate the way they do at both the behavioral and mental levels. All psychological approaches are used - for example, the cognitive, biological, and social approaches, to create a diverse understanding of how the human thought processes affect our actions. Students will also learn and practice ethics and methods that psychologists perform within their practice.

Advanced Placement World History

Grades 10 - 12* Year Course* Semester 1 - 62053; Semester 2 - 62054* 1 Credit

A one-year course designed to study the major trends and events in World History. The course can be taken to fulfill the Michigan Merit Curriculum World History requirement. The history is broken down into six main chronological time periods ending at present-day and covers all Michigan high school World History standards. In addition to providing exposure to the factual narrative, the goals of the Advanced Placement World History program are to develop: (a) an understanding of some of the principal themes in World History; (b) an ability to analyze historical evidence, and (c) an ability to express that understanding. Students will learn essential concepts and develop historical thinking skills.

Students who consider this course should be self-motivated and must be able to read at an accelerated rate. There is also a significant writing component to this class. The course is designed to be student-centered. Students must be willing to communicate via discussions, debates, and simulations. This course prepares students for the College Board Advanced Placement Examination, which takes place in May of every school year.

Student Leadership

Grades 11 – 12 • Semester Course • Semester – 60041; Semester 2 – 60042 • ½ Credit

This two semester course is designed and recommended for class and student council officers, club officers, and other interested students. Student selection will be made by the instructor, and will be based on completion of an application. It is strongly recommended that the students plan to take the course for both semesters. Enrollment in first semester is acceptable if taking one semester is the student's only option.

Satisfies the VPAA Credit

Special Education Department

| Course number | Course name | Semester/year | Grade | Prerequisite | Career pathway |
|-------------------|-----------------------------------|----------------------------------|---------|---|----------------|
| 09995/09996 | Basic Resource Room | Year or semester | 9 - 12 | Permission of instructor and IEPC | * All Pathways |
| 60051/60052 | Pre-Vocational | Year Course 2 Hour Block | 9 - 12 | Teacher Recommendation | * All Pathways |
| 60980 | Social Communication Skills | Year or semester | 9 - 12 | Permission of instructor and IEPC | * All Pathways |
| 60703/60704 | WRAP/Work Study | Year or semester 2 Hour Block | 11 - 12 | Pre-vocational I and Permission of instructor | * All Pathways |
| 60140/60141/60142 | Foundation English | Year or semester | 9 – 12 | Permission of instructor and IEPC | * All Pathways |
| 60341/60342 | Foundation Math | Year or semester | 9 – 12 | Permission of instructor and IEPC | * All Pathways |
| 60441/60442 | Foundation Science | Year or semester | 9 – 12 | Permission of instructor and IEPC | * All Pathways |
| 60211/60212 | Foundation Social Studies | Year or semester | 9 – 12 | Permission of instructor and IEPC | * All Pathways |
| 69955/69956 | Foundations of Physical Education | Semester or Year | 9 - 12 | Placement by counselor or an IEPC | * All Pathways |

Flow Chart

Transition Certificate (Non Michigan Merit Diploma Track)



Transition Certificate = Adult Transition
Vocational Training
Job Placement

Michigan Merit Diploma with Regular Education Core Curriculum



Community College or 4 Year University and beyond

Students planning to apply to a Bachelor's degree program at a 4-year college or university after high school need to demonstrate strong skills through successful completion of regular education academic courses with minimal support.

Special Education Department

Course Descriptions

Available only to special education students pre-arranged by the IEPC process.

DEPARTMENTALIZED PROGRAM

* Basic Resource Room

Grades 9-12 • Semester 1 – 09995; Semester 2 – 09996

1 Credit for year-long course; 1/2 Credit for semester course

This one or two-semester class provides specially designed instruction towards IEP goals and supports students' academic success in general education classes. This course can address a variety of areas including: study skills, time management, self-advocacy skills, organizational techniques, and other individual-based academic and social needs. This class is mandated through the IEP Team and will count as an elective credit toward graduation requirements. All instruction is based upon the individual needs of each student within the class.

* Pre-Vocational

Grades 9 - 12 * Year Course * Semester 1 -60061; Semester 2- 60062 * 1 Credit
2 Hour Block

This is a two hour block class. The Pre-Vocational program teaches specific skills that are needed every day. Skills are taught in groups, modeled by instructors, and practiced through class activities, role-playing and community outings. Students are encouraged to practice these skills in the real world. All instruction is based on Individualized Education Plans.

* This class is a pre-requisite for the WRAP/Work Study

* Social Communications Skills

Grades 9 – 12 • Semester or year-long course • Year – 60980; Semester 1 – 60983; Semester 2 – 60984 • 1 Credit for year-long course; ½ Credit for semester course

This social skills class is designed to assist the student with Autism Spectrum Disorder (ASD) and those with similar diagnoses such as Pragmatic Language Deficits (primarily social skills) in targeting IEP goals in the area of social communication and social interactions. Research shows that students with these diagnoses typically experience life-long difficulties in the areas of social communication and social judgment. The goal of this course is to provide understanding, tools and strategies that the students can utilize throughout their high school and post high school lives. All instruction is based on Individualized Education Plans.

* WRAP/Work Study

Grades 11 – 12 • Year Course – Semester 1 - 60703; Semester 2 - 60704 • 1 Credit * 2 Hour Block

Prerequisite: Successful completion of a Pre-vocational I and II and teacher approval needed

This course is a year-long, two hour block course that is designed to assess employability and engage students in real-life work experiences within the community. Three job rotations are explored during the school year, in addition to classroom coursework intended to enhance individual employability. This course is for seniors; however, juniors may be considered with teacher recommendation. All instruction is based on Individualized Education Plans.

Special Education Continued...

Foundation Programs – PREREQUISITE: PERMISSION OF INSTRUCTOR
AND IEPC

*** Foundation English**

Grades 9 – 12 • Year Course * Semester 1 - 60141;Semester 2 - 60142 • 1 Credit

This year-long course meets a one-year English requirement for special education students. The content will include basic Language Arts skills in reading, writing, speaking, listening and research. This course may be retaken for credit. All instruction is based on Individualized Education Plans.

*** Foundation Math**

Grades 9 – 12 • Year Course * Semester 1 - 60341;Semester 2 - 60342 • 1 Credit

This year-long course designed to meet a math requirement for special education students. The content will include basic computational skills. This course may be retaken for credit. All instruction is based on Individualized Education Plans.

*** Foundation Science**

Grades 9 – 12 • Year Course * Semester 1 - 60441;Semester 2 - 60442 • 1 Credit

This year-long course meets a science requirement for special education students. The content will include basic concepts of biology and geophysical science. This course may be retaken for credit. All instruction is based on Individualized Education Plans.

*** Foundation Social Studies**

Grades 9 – 12 • Year course * Semester 1 - 60211;Semester 2 - 60212 • 1 Credit

A year-long course designed to meet a social studies requirement for Rule 41 special education students. The content and objectives of this course will be specified by the instructor in accordance with Brighton High School and Livingston Intermediate School District social studies objectives. All instruction is based on Individualized Education Plans.

*** Foundations of Physical Education**

Grades 9 – 12 • Semester Course • Semester 1– 69955;Semester 2 - 69956 • ½ Credit

Prerequisite: Placement by counselor or I.E.P.C.

This course is for students who have unique physical, medical or cognitive needs. Students with unique needs may take this course as an elective to improve their personal fitness level and increase their recreational skills. The goal of this course is to engage in regular physical activity, learn skills for recreation in the adult years and to understand the benefits of physical activity. This course will fulfill the Physical Education requirement for graduation at Brighton High School. All instruction is based on Individualized Education Plans.

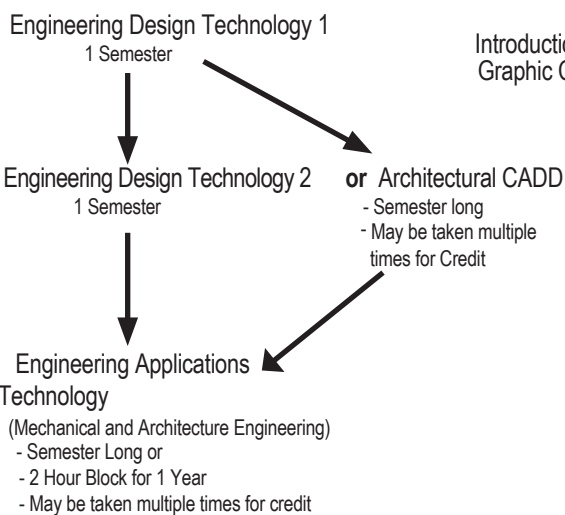
*** Prerequisite: Permission of instructor and IEPC**

Technology and Industry Department

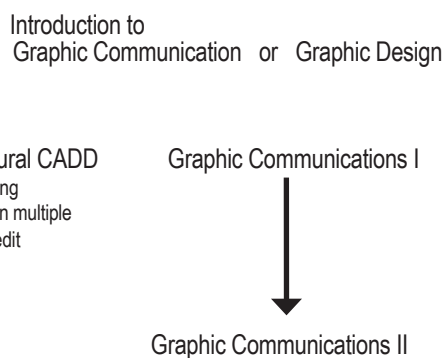
| Course number | Course name | Year Semester | Grade | Prerequisite | Career pathway |
|---------------|---|-----------------------------|---------|---|--|
| 67045/67046 | Engineering Design Technology 1 | Semester | 9 – 12 | None | Art/Communication Engineering Technology Natural Resources |
| 67243/67244 | Architectural Computer Aided Drawing and Design | Semester | 9 – 12 | Engineering Design Technology 1 | Art/Communication Engineering Technology Natural Resources |
| 67241/67242 | Engineering Design Technology 2 | Semester | 9 – 12 | Engineering Design Technology 1 | Art/Communication Engineering Technology Natural Resources |
| 67085/67086 | Introduction to Graphic Communications | Semester | 9 – 12 | None | Art/Communication |
| 67087/67088 | Graphic Design | Year | 10 - 12 | None | Art/Communication |
| 67285/67286 | Graphic Communications I and II | Year or 2 consecutive years | 10 – 12 | None | Art/Communication |
| 67111/67112 | Engineering Applications (Mechanical/Architecture) | Semester | 10 – 12 | Engineering Design Technology 1&2 | Engineering Technology |
| 67120 | Engineering Applications (Mechanical /Architecture) Block | Year - 2 Hour Block | 11 – 12 | Engineering Design Technology 1 & 2 or Architecture | Engineering Technology |
| 67025/67026 | Introduction to Automotive Technology | Semester - 1 Hour | 9 - 12 | None | Automotive Technology Engineering Technology Industrial Technology |
| 67223/67224 | Automotive Technology I | Year - 1 Hour | 9 - 12 | None | Automotive Technology Engineering Technology Industrial Technology |
| 67225/67226 | Automotive Technology II | Year - 2 Hour Block | 10 - 12 | None | Automotive Technology Engineering Technology Industrial Technology |
| 67227/67228 | Advanced Automotive Technology | Year - 2 Hour Block | 11 - 12 | Auto Technology II B or better grade | Automotive Technology Engineering Technology Industrial Technology |
| 67063/67064 | Engineering Robotics I | Semester | 9 - 12 | None | Industrial Technology Engineering Technology |
| 67067/67068 | Engineering Robotics II | Semester | 10 - 12 | Engineering Robotics I | Industrial Technology Engineering Technology |

Technology and Industry Flow Chart

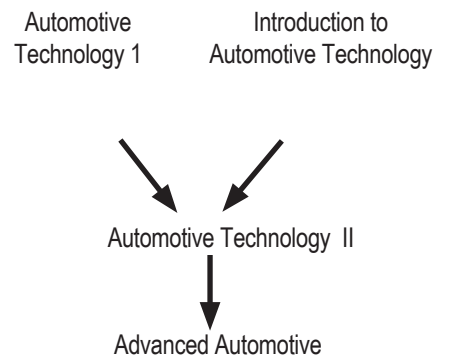
Engineering Technology Program



Graphics Program



Automotive Technology



Technology and Industry Course Descriptions

Please see Page 2 regarding CTE courses that fulfill the World Language requirements.

Engineering Design Technology 1

Grades 9 – 12 • Semester Course • Semester 1 – 67045; Semester 2 – 67046 • ½ Credit

Designed to teach the fundamentals of technical drawing (drafting) through sketching and CADD software. Material assists students in learning the language of engineering, preparing them for a career in Engineering. Students will learn everyday tasks performed by an engineer. Students will learn to make drawings of common objects from manufactured machine parts to woodworking projects. Topics include single and multi-view drawings, 3-D solid modeling, section views, sketching and dimensioning of objects. Creo software will be used for computer drawing. This class is designed for those students interested in the engineering, construction trades, manufacturing or any trade requiring blueprint reading.

Satisfies 4th Year Math Credit, and/or VPAA Credit requirement

Architectural Computer Aided Drafting and Design

Grades 9 – 12 • Semester Course • Semester 1–67243; Semester 2–67244 * 1/2 Credit

Prerequisite: Engineering Design Technology 1

Building on knowledge gained in the prerequisite class; students will learn drafting practices as they relate to the world of architecture. Topics of study include: residential/commercial design, building construction methods, blueprint reading, 3 D design and model building. Architecture CADD may be taken multiple times for credit.

Satisfies 4th Year Math Credit, and/or VPAA Credit requirement

Engineering Design Technology 2

Grades 9 – 12 • Semester Course • Semester 1 - 67241; Semester 2– 67242 * ½ Credit

Prerequisite: Engineering Design Technology 1

Course will continue building on the knowledge gained from the prerequisite class. Students will learn and apply drafting practices as they relate to the world of manufacturing. This class will help further prepare students for Engineering College Majors and/or Entry Level Engineering jobs. Topics of study include: assembly and detail drawing, pattern development, auxiliary and section views, basic descriptive geometry, dimensioning, and advanced solid modeling.

Satisfies 4th Year Math Credit, and/or VPAA Credit requirement.

Engineering Applications (Mechanical/Architecture) Block

Grades 11 - 12 • Year Course * 67120 * 2 Hour Block * 2 Credits

Course may be taken multiple times for credit. Course may be taken as one or two hours

Prerequisite: Engineering Design Technology 1 & 2

The study of computer aided design and drafting for machine tool products, furniture, interiors, and architecture. Creo and Archicad will be the primary software used. Engineering and Architectural drafting, notation lettering, and designing are included subject matter.

Topics include methods of creating and presenting design concepts with thumbnails, freehand drawing proposals, rendering of perspective and orthographic plans. The students will produce original designs, invention, problem identification and solving, visualization, designing, working drawings and presentation drawings. Team building skills through design team projects will involve students, parents, and staff. Students will be improving skills on the development of lettering, notation, descriptive geometry, dimensioning, drawing layout, and other standard drafting procedures. Other topics of the course include application of advanced modeling techniques, rapid prototype printing, robot programming, and electrical circuits design.

Satisfies 4th Year Math Credit, and/or VPAA Credit

Engineering Applications (Mechanical/Architecture)

Grades 10 - 12 • Semester Course * Semester 1 - 67111; Semester 2 - 67112 * 1/2 Credit

Prerequisite: Engineering Design Technology 1 & 2

Course may be taken multiple times for credit

The study of computer aided design and drafting for machine tool products, furniture, interiors, and architecture. Creo and Archicad will be the primary software used. Engineering and Architectural drafting, notation lettering, and designing are included subject matter.

Topics include methods of creating and presenting design concepts with thumbnails, freehand drawing proposals, rendering of perspective and orthographic plans. The students will produce original designs, invention, problem identification and solving, visualization, designing, working drawings and presentation drawings. Team building skills through design team projects will involve students, parents, and staff. Students will be improving skills on the development of lettering, notation, descriptive geometry, dimensioning, drawing layout, and other standard drafting procedures. Other topics of the course include application of advanced modeling techniques, rapid prototype printing, robot programming, and electrical circuits design.

Satisfies 4th Year Math Credit and/or VPAA Credit requirement

Technology and Industry Continued...

Introduction to Graphic Communications

Grades 9 - 12 * Year Course * Semester 1 - 67085; Semester 2 - 67086 * 1/2 Credit

This class is a mix of graphic design with entry level experiences into production processes. What does that mean? After this course, you know how a designed idea or artwork becomes a printed product. You will learn this answer and also be able to take an idea and produce it as a printed piece in this class. We only use "real world" software and industrial equipment. Adobe software is the creative industry standard. For this course, we will focus on Adobe Illustrator, and InDesign. You will have hands on experiences in lithography, screen printing and digital processes. Projects that you produce will include a memo pad, greeting card, children's book and T-shirt. You will be exposed to the third largest manufacturing industry in the United States through units of instruction which include: Job planning and layout, Adobe Illustrator and InDesign, graphic design, image production, lithographic press operation, screen printing and finishing operations.

Satisfies the VPAA Credit

Graphic Design

Grades 10 - 12 * Year Course * Semester 1 - 67087; Semester 2 - 67088 * 1 Credit

This course is a condensed version of the two hour block and will have a main focus on graphic design and digital processes. It will overlap some of the topics covered in the two hour course. The projects will be smaller in nature to reflect the time constraints of a single hour course. You will design and produce products such as flyers, posters, calendars, and various customer's projects. Students will learn about the vast opportunities in the graphic communications industry. They will design and create projects using Adobe software such as InDesign, Photoshop, and Illustrator. Students will have limited experiences on some of the shop equipment such as the screen press and lithographic press. It is possible to still take the two hour block after this course. This course is helpful if you are considering one of the following career pathways: art school, advertising, graphic design or print management.

Satisfies the VPAA Credit

Graphic Communications I and II

Grades 10 - 12 • Year Course • Semester 1 - 67285; Semester 2 - 67286

2 Hour Block * 2 Credits

Everywhere we look is the printed or designed word from brochures, newspapers, signs, forms, comic strips, apps, and the internet. The Graphic Communications program prepares students to be part of this vast industry This class covers the processes and industries that create, develop and produce products using or incorporating words or pictorial images to convey information, ideas and feelings. Does learning real world design software such as Adobe PhotoShop, Illustrator, and InDesign sound interesting? Topics covered will include: product planning and layout, graphic design, image reproduction, bindery, finishing operations, screen printing; ink, paper, lithographic press operations and career employability skills. You will design and produce products such as memo pad, posters, magazine, greeting card, and T-shirts for both personal and various customers. This course is helpful if you are considering one of the following career pathways: art school, advertising, graphic design or print management.

Satisfies the 4th Year Math Credit and or the VPAA Credit

Introduction to Automotive Technology

Grades 9-12 * Semester Course * Semester 1 - 67025; Semester 2 - 67026 * 1/2 Credit

This course is designed for students interested in learning how vehicles operate and how to perform maintenance and basic repairs. A state-of-the-art lab setting, industry grade tools and equipment, and daily hands-on activities provide an excellent foundation for students interested in mastering vehicle repair or preparing for an engineering or technical field.

Automotive Technology I

Grades 9 - 12 * Year Course * Semester 1 - 67223; Semester 2 - 67224 * 1 Credit

This course is designed for students who have a strong interest in gaining the experience necessary to repair their own vehicles and perform proper maintenance. Areas of lab work include brake system, fuel and ignition system, suspension system, steering system, and electrical system training.

Satisfies the 4th Year Math Credit and/or the VPAA credit requirement and/or the 2nd Year World Language Credit.

Automotive Technology II

Grades 10- 12 * Year Course * Semester 1 - 67225; Semester 2 -67226 * 2 Hour Block * 2 Credits

This course is a nationally accredited course that can offer students articulated college credit in the area of Automotive Service Technology. Students will train in an intense Maintenance and Light Repair program that will prepare them for employability in an automotive field, success in a college technical, engineering, or trade program, and the benefit of possessing the skills needed to perform repairs as a vehicle owner.

Satisfies the 4th Year Math Credit and/or the VPAA Credit requirement and/or 2nd Year World Language Credit

Advanced Automotive Technology

Grades 11 - 12 * Year Course * Semester 1 - 67227; Semester 2 - 67228 * 2 Hour Block * 2 Credits

Prerequisite: Automotive Technology II with a B or better average and Instructor approval

Students who have completed Automotive Technology II with a B or better, can engage in a high-level, rigorous senior capstone course that focuses on engine building and blueprinting, fuel injection and ignition control, engine operation and the opportunity to engage in cutting-edge projects to hone their skills and prepare for successful college and career experiences.

Satisfies the 4th Year Math Credit and/or the VPAA Credit requirement and/or 2nd Year World Language Credit

Engineering Robotics 1

Grades 9-12 • Semester Course • Semester 1 - 67063; Semester 2 - 67064 • 1/2 Credit

During this course students will explore the field of robotic design using a variety of hands on activities. Students will be introduced to various types of robot (arms, mechanized, automated) that are designed to complete different tasks. The student will learn basic programming to input the robot to perform the desired task. Students will work hands-on in teams to design, build, program and document their robots inputs/outputs. Mechanical concepts such as gearing/torque/speed/power are introduced. Other topics may include motor control, sensors, timing, decision-making, timing sequences, drive trains, actuator and manipulator design.

Satisfies VPAA Credit requirement

Engineering Robotics 2

Grades 10 – 12 • Semester Course • Semester 1 – 67067 • Semester 2 – 67068 • 1/2 Credit

Prerequisite: Engineering Robotics I

Course builds upon knowledge gained from Engineering Robotics I, in further exploring robotic technologies and their application within manufacturing industry. Students will continue to learn to design, program and build individual robots and be introduced to building robot systems (workcells) to complete and manufacturing process.

Satisfies VPAA Credit requirement, 4th Year Math, Computer Credit

World Language Department

| Course number | Course name | Semester/Year | Grade | Prerequisite | Career pathway |
|---------------|----------------------------|---------------|---------|----------------------|---|
| 65070 | French I | Year | 9 – 12 | Basic English Skills | Business Technology; Engineering Technology; Human Services |
| 65271/65272 | French II | Year | 9 – 12 | French I | |
| 65471/65472 | French III | Year | 9 – 12 | French II | |
| 65671/65672 | French IV | Year | 10 – 12 | French III | |
| 65771/65772 | French V | Year | 11 - 12 | French IV | |
| 65030 | Spanish I | Year | 9 – 12 | Basic English Skills | Business Technology; Engineering Technology; Human Services |
| 65231/65232 | Spanish II | Year | 9 – 12 | Spanish I | |
| 65431/65432 | Spanish III | Year | 9 – 12 | Spanish II | |
| 65631/65632 | Spanish IV | Year | 10 - 12 | Spanish III | |
| 65731/65732 | Spanish V | Year | 11 - 12 | Spanish IV | |
| 65040 | American Sign Language I | Year | 9 - 12 | none | Human Services |
| 65240 | American Sign Language II | Year | 9 - 12 | ASL I | Human Services |
| 65490 | American Sign Language III | Year | 9 - 12 | ASL II | Human Services |
| 65480 | American Sign Language IV | Year | 10 - 12 | ASL III | Human Services |

World Language

Course Descriptions

French I, Spanish I

Grades 9 – 12 • Year Course • French – 65070; Spanish – 65030 • 1 Credit

These initial-level courses are designed to teach basic grammar, vocabulary, pronunciation, and written style required in the respective language. Related activities will acquaint students with the culture and customs of the language's national origin. Good attendance and participation are essential if one is to succeed in language courses. Basic computer skills needed to navigate online textbook and accompanying activities.

French II, Spanish II

Grades 9 – 12 • Year Course • French • Semester 1 - 65271; Semester 2 - 65272 Spanish * Semester 1 - 65231; Semester 2 - 65232 • 1 Credit

These courses are designed to increase the student's conversational, reading, writing, and vocabulary abilities. There will be an increased emphasis on speaking and a continuation of related activities for the study of the culture and customs of the language's national origin. Good attendance and participation are important. Basic computer skills needed to navigate online textbook and accompanying activities.

French III, Spanish III

Grades 9 – 12, Year Course • French • Semester 1 - 65471; Semester 2 - 65472 Spanish * Semester 1 - 65431; Semester 2 - 65432 • 1 Credit

These courses are designed to further increase the student's conversational, reading, writing, and vocabulary abilities. Portions of works by native authors will be read in their respective languages, analyzed, and discussed. Further study of the culture and customs of the language's national origin with a more concentrated usage of the target language will be emphasized. Good attendance and participation are essential. Basic computer skills needed to navigate online textbook and accompanying activities.

French IV, Spanish IV

Grades 10 – 12, Year Course • French • Semester 1 - 65671; Semester 2 - 65672; Spanish • Semester 1 - 65631; Semester 2 - 65632 • 1 Credit

Prerequisite: Student has mastered the standards of the third year of study of the target language. Student can respond appropriately to written and oral prompts, correctly using grammar and vocabulary taught in third year. C average and approval and/or recommendation of one's current teacher is advised.

This course will stress the ability to read, speak, and write the language at a more advanced level. Important authors, historical events, current events, and modern topics will be studied as an avenue of approach to the language. Good attendance and participation are essential. Basic computer skills needed to navigate online textbook and accompanying activities.

French V

Grade 11-12 or department approval • Year Course • Semester 1 - 65771; Semester 2 - 65772 • 1 Credit

Prerequisite: Successful completion of French IV or the course may be taken concurrently with French IV with permission of the teacher.

In this course students will read, discuss and write about a variety of contemporary topics from French/francophone magazine and newspaper articles. Emphasis will be placed on an understanding of current societal issues in the francophone world. Review and expansion of grammatical structures and vocabulary will assist the student in these efforts. Students will listen to native speakers online and make frequent use of the French web.

Spanish V

Grade 11-12 or department approval • Year Course • Semester 1 - 65731 Semester 2 - 65732 • 1 Credit

Prerequisite: Successful completion of Spanish IV.

In this course students will read, discuss, listen to, and write about a variety of topics in the target language. Review and expansion of grammatical structures and vocabulary will assist the students in these efforts. Important authors, historical events, current events, and modern topics will be studied in depth. Good attendance and daily participation are essential. Basic computer skills needed to navigate online textbook and accompanying activities.

American Sign Language I

Grades 9 - 12, Year Course • 65040 • 1 Credit

This initial-level course is designed to teach basic grammar, vocabulary, cultural, and conversation standards with respect to American Sign Language and its community of users. Both expressive and receptive skills focus on the exchange of personal information, American Sign Language in a school environment, relationships, and effective conversation in the target language. Good attendance and participation are essential.

American Sign Language II

Grades 9 - 12, Year Course • 65240 • 1 Credit

Prerequisite: Student has mastered the standards of the first year of study of the target language.

This course is designed as a continuation of American Sign Language I and the study of Deaf culture, the Deaf community and Deaf history. Students will further their receptive and expressive vocabulary, ASL discourse skills, and knowledge of American Deaf culture and history. Students will focus on the exchange of information in the target language with regard to travel, socialization within the Deaf community, and ASL storytelling. Good attendance and participation are essential.

American Sign Language III

Grades 9 - 12, Year Course • 65490 • 1 Credit

Prerequisite: Student has mastered the standards of the second year of study of the target language.

Student can respond appropriately in conversation using correct grammar, vocabulary and culturally appropriate conventions. This course is designed to increase the student's conversational and vocabulary competence. Good attendance and participation are essential.

American Sign Language IV

Grades 10 - 12, Year Course • 65480 • 1 Credit

Prerequisite: Student has mastered the standards of the third year of study of the target language.

Student can respond appropriately in conversation using correct grammar, vocabulary and culturally appropriate conventions. This course additionally covers narratives and short stories, advanced fingerspelling, history, technology, and expansion of ASL I, II, & III topics. Good attendance and participation are essential.

CTE Consortium

Brighton Courses

Automotive Technology II, see page 36

Early Childhood Education, see page 17

Graphic Communications, see page 36

Marketing II, see page page 11

Teacher Cadet, see page 17

Engineering Applications Block, see page 35

Health Occupations I

Grades 11 – 12 • One Year Course * Two-Hour Block

Semester 1 – 67933; Semester 2 – 67934 • 2 Credits

Prerequisite: Algebra and Biology, passing both with a 2.0 GPA or higher.
Students are required to drive to their clinical observations during 2nd semester.

Health Occupations is a 2 hour block (1/2) (3/4) (5/6). This course will give you an introduction to various health care professions and the basic skills you will need to enter the health care field. Instruction will include college style lecture and note taking, written tests, reading assignments, writing assignments, videos, hands on skills, group and individual projects, basic medical terminology and clinical observations. Juniors taking Health Occupations will have the opportunity to apply to Lansing Community College as a senior and become a certified nurse assistant and earn college credits. Juniors will also be able to take Health Occupations 2 in Howell and become certified EMT's or Pharmacy Technicians.

Satisfies VPAA Credit

Out of District Classes

Out of District CTE Consortium

To supplement applied technology offerings at Brighton High School, we participate with other Livingston County high schools in a CTE Consortium. Registration for and participation in any applied technology consortium class is open to all high school students in eleventh or twelfth grade. Students must provide their own transportation.

Health Occupations II - Year 2

Grade 12 * Semester Course * Two Hour Block *

Semester 2 - 67364 * Location Parker MS, Howell * 3 Credits

Students must meet LCC requirements and have a recommendation from their first year Health Occupations teacher.

After successful completion of Health Occupations I, a health occupation teacher recommendation and an interview is required to participate in Health Occupations II. The student will have the opportunity to earn state certification as a Nurse's assistant. Transportation is required for clinical rotations and some Saturdays.

Attendance is an important part of success for this course; excessive absences can impact certifications and clinical rotations.

Satisfies 4th Year Math Credit and/or VPAA

Cosmetology

Grades 11-12 * Semester 1 - 67945; Semester 2 - 67946 * Location - Brighton Institute of Cosmetology * Course Length - 2 Year Course * 3 Credits

A full two-year (plus one summer) program instructs students to perform a variety of treatment operations that include the care of hair, complexion, and hands. Shampoos, rinses, scalp treatments, styling, tinting, bleaching, waving, facials, and manicuring are among the skills mastered. If all course requirements are met, and student completes the state required number of instruction hours, and high school graduation, the student will be eligible to take the Cosmetology State Board Examination. Students must pass the state exam and be licensed to be eligible for employment. For additional requirements and costs, please see your counselor.

Culinary Arts/Restaurant Management

Grades 11 – 12 • Course Length: One or Two-Year Course/Two-hour Block • Semester 1 – 67925; Semester 2 – 67926 • Location Howell H.S. • 3 Credits

Prerequisite: Student has earned a C or better in Algebra I

2nd Year Culinary Prerequisite: Student must earn a C or better in Culinary 1 or teacher recommendation.

The Culinary Arts/Restaurant Management class is a full year program open to juniors and seniors interested in hospitality occupations. While emphasis is on food production, the hospitality segment covers travel, tourism, the lodging industry, and related careers.

Students gain practical, hands-on experience working in the student-operated Highlander Restaurant. All facets of restaurant work (cost controls, food handling and preparation, sanitation and safety, customer service, baking, and other necessary tasks) are practiced in this two-hour block class. The course curriculum is geared toward students interested in furthering their professional/educational careers in the Culinary Arts/Restaurant Management field. It is also designed for those interested in becoming work-ready for the industry. A demonstrated interest in Culinary Arts/Restaurant Management is required. Articulated college credit may be available.

Satisfies the 4th year Math and/or the VPAA Credit

Out of District Continued...

Computer Network Engineering

Grades 11 – 12 • Year course/Two-hour Block • Semester 1 – 67621; Semester 2 – 67622
• Location: Pinckney High School • 3 Credits

Prerequisite: Algebra 1

The course provides an introduction to the computer hardware and software skills as well as introductory networking skills needed to help meet the growing demand for entry-level information and communication technology (ICT) professionals. The curriculum covers the fundamentals of PC technology and mobile technologies. Students will be able to describe the internal components of a computer, assemble and disassemble a computer system, install and maintain an operating system, and troubleshoot using system tools and diagnostic software.

The course introduces the architecture, structure, functions, components, and models of the Internet and other computer networks. Students will be able to build simple LANs, and implement IP addressing schemes. Students will also learn about the architecture, components, and operations of routers and switches in a small network. Students will be able to configure and troubleshoot routers and switches and resolve common issues associated with routing protocols and inter-VLAN routing in both IPv4 and IAPv6 networks.

Hands-on labs and virtual learning tools help students develop critical thinking and complex problem-solving skills. Cisco Packet Tracer simulation-based learning activities promote the exploration of network and networking security concepts and allow students to experiment with network behavior.

Satisfies 4th Year Math Credit and/or VPAA Credit

Advanced Computer Network Engineering

Grades 11 - 12 * Year Course/Two hour Block * Semester 1 - 67953; Semester 2 - 67954 *
Location: Pinckney High School * 3 Credits

Prerequisite: Computer Network Engineering (2 Hour Block)

Students will continue to configure and troubleshoot routers and switches for advanced functionality. Students will configure devices to support access control lists, network address translation and application protocols such as DHCP. By the end of this course, students will be able to configure and troubleshoot routers and switches and resolve common issues with advanced routing protocols in both IPv4 and IPv6 networks and will learn to resolve common issues with data link protocols. Students will also develop the knowledge and skills needed to implement a WLAN in a small-to-medium network and virtual private network (VPN) operations in a complex network. Students will also learn and apply concepts related to WAN technologies and network services required by converged applications in a complex network. This course also provides an introduction and overview of information security/assurance. This course will enhance technical communication, problem solving and teaming skills, as they relate to the study of Information Security and Information Assurance, as well as cover a broad spectrum of pertinent IS/IA base information, including voice and data network connectivity, cryptography, intrusion detection systems, data firewalls, malicious software, information operations and warfare, and denial of service attacks, regulations, law and governance.

Hands-on labs and virtual learning tools help students develop critical thinking and complex problem-solving skills. Cisco Packet Tracer simulation-based learning activities promote the exploration of network and networking security concepts and allow students to experiment with network behavior.

For more information visit http://latec.us/information_technology.html

Satisfies the 4th year Math Credit and/or the VPAA Credit

Construction Technology I and II

Grades 11 – 12 • Course Length: Two year course/Two hour Block • Semester 1 – 67907; Semester 2 – 67908 • Location: Howell H.S. • 3 Credits

Construction Technology I

This is a career-oriented program, which will simulate employment in the building industry. Student will be responsible for safely completing tasks relating to but not limited to those performed by carpenters, masons, estimators, plumbers, roofers and electricians in a manner used by professional trades people. Successful applicants for this program will demonstrate satisfactory completion of an exploratory level course involving school shop activities. Articulated college credit may be available.

Satisfies the 4th Year Math Credit and/or the VPAA Credit

Construction Technology II

Construction Technology II is a career oriented two-hour block, which will simulate employment in the building industry. Students will become competent in procedures, materials, and equipment usage for the building trades by constructing small structures like sheds, barns and small houses. Co-op placement and articulated community college credit may be available.

Satisfies the 4th Year Math Credit and/or the VPAA Credit

Engineering & Robotics I

Grades 11 – 12 • Semester 1 – 67915; Semester 2 – 67916 •
Location: Pinckney H.S. • 3 Credits

The Engineering and Robotics program prepares students interested in Engineering and Technology focused careers to use computer software and hardware based processes to solve problems common in engineering, manufacturing and business. As a result of their learning, students will:

- Program different types of robots
- Use computers to design and build engineering solutions
- Learn basic machine tool operation

Students will work in teams to design, construct, and operate an automated robotic work cell that will produce a product of their choice.

This program provides a great hands-on experience for students interested in computer programming, electronics, computer aided manufacturing (CAM), material science, and machine tool operations. Articulated college credit may be available. More information is available at www.pinckneyrobot.com.

Satisfies 4th Year Math Credit and/or VPAA Credit. This course is eligible for college credit if taken as a two hour block class.

Engineering & Robotics II

Grades 11 - 12 * Semester 1 - 67917; Semester 2 - 67918 *
Location: Pinckney H.S. * 3 Credits

Prerequisite: Engineering and Robotics I

The Engineering and Robotics program prepares students interested in Engineering and Technology focused careers to use computer software and hardware based processes to solve problems common in engineering, manufacturing and business. As a result of their learning, students will:

- Use programmable controllers
- Use more advanced computer techniques to design engineering solutions
- Learn 3 D printing and CNC machine tool operation

Students will work in teams to design, construct, and operate an automated robotic work cell that will produce a product of their choice.

This program provides a great hands-on experience for students interested in computer programming, electronics, computer aided manufacturing (CAM), material science, and machine tool operations. Articulated college credit may be available. More information is available at www.pinckneyrobot.com.

This course satisfies the 4th Year Math Credit and/or the VPAA credit. This course is eligible for college credit if taken as a two hour block class.

Out of District continued...

Health Occupations II - Emergency Medical Service

Grade 12 * One Year Course * Two-hour Block *
Semester 1 - 67961; Semester 2 - 67962 * Location: Howell * 3 Credits

Location of class is: 1911 Tooley Rd. in Howell, Michigan

This year long program prepares students for basic Emergency Medical Technician certification through a rigorous hands-on approach to first aid and lifesaving techniques. The course delivery includes lectures, discussions, group work, and extensive practice with simulators and colleagues. Successful students will qualify for First Responder and CPR certifications as well as the National Registry of Emergency Medical Technician examination (taken after the age of 18 and required for licensure). Attendance at sessions outside of normal school hours will be required in order to meet training objectives.

This course is available for seniors who:

- Are able to show proof of immunization status that is up to date.
- Are willing to receive industry required immunizations.
- Are able to pass drug tests and background checks necessary for community based practical experiences.

AND meet one of the following criteria.

- Successful completion of Health Occupations I and recommendation by instructor.
- Active participation in a Junior Firefighter or Explorer program focusing on Emergency Services as evidenced by group leader recommendation.
- Successful completion of a high school Anatomy and Physiology course and strong interest in health careers, medicine, or emergency service career areas, plus recommendation by teachers or counselors.
- Or obtain administrator's approval and provide evidence that this course aligns with career development.

College credit for this course may be available. Satisfies the VPAA Credit.

Manufacturing Technology I

Grades 11 – 12 • Course Length: One or Two-Year Course/Two-hour Block
Semester 1 – 67938; Semester 2 – 67939 • Location: Howell HS / Pinckney HS • 3 Credits

First Year Program:

This course offers an introduction to state of the art manufacturing techniques by providing an integrated approach to the design, production, and testing of objects and materials. Students begin the course by mastering the basics of a machine tool process, then move to more advanced projects involving computer numerical control (CNC) machining, computer aided drafting, computer aided manufacturing using industry standard equipment and software. The welding portion of the course introduces students to shielded metal arc welding, gas metal arc welding, gas tungsten arc welding, cutting, and brazing. Throughout the course an emphasis on product production is maintained, and students develop skills useful in a modern manufacturing environment. During the second semester students complete a project with a goal of entering in to industry-based competitions.

Private Pilot Training

Grades 11 - 12 • Year long Course/Two-hour Block
Semester 1 - 67957; Semester 2 - 67958 • 3 Credits

This course offers a structured curriculum to learn all the knowledge required to pass the FAA Private Pilot Knowledge exam. Passing this exam is a requirement for obtaining an FAA Private Pilot license, which is the first step to becoming a career pilot. The knowledge learned is also applicable to any career in Aviation. The course will be two class periods in length and will be housed at Crosswinds Aviation training center.

Prerequisite: Pre-arranged free Young Eagle flight w/certified pilot or \$125 materials fee.

Manufacturing Technology II

Grade 12 * Year Long Course/ Two Hour Block
Semester 1 - 67941; Semester 2 - 67942

Location: Howell HS / Pinckney HS 3 credits

2nd Year Program:

This course of study is open to seniors who have completed a year of Manufacturing Cluster and who are recommended by the instructor. Students learn and practice advanced machining and welding techniques and complete complex integrated projects that require CAD and CAM software that are industry standards. Students earn the opportunity to attend class in a manufacturing setting at a local company where they will experience first-hand the technology necessary to compete in today's global market. The curriculum for this program is developed in cooperation with the business and is delivered jointly by the school system and the manufacturer. Articulated college credit may be available.

Satisfies 4th Year Math Credit and/or VPAA Credit.

Agricultural Science and Zoology and Botany

Grades 11 - 12 • Year long Course/Two-hour Block
Semester 1 - 67967; Semester 2 - 67968 • Location Fowlerville H.S. • 3 Credits

This course provides students hands on experiential learning opportunities.

Botany & Greenhouse Mgt - Students will learn plant anatomy, physiology, soils and plant nutrition, tree and wildflower identification, maple syrup production, forestry and greenhouse management. Hands on experience in our interactive learning lab, woodlot, and community-partner locations will take learning out of the classroom into real life scenarios.

Zoology & Veterinary Science - Aspects of animal anatomy, physiology and health will be taught in the classroom and brought to life with experiential learning opportunities. Hands on projects could include aquaculture production, incubation of eggs and rearing of chicks, raising broiler chickens, and/or meat rabbit production.

This block course is appropriate for students interested in agricultural science. Students in this class will have opportunities to improve leadership, personal growth and practical skills through participation in the Fowlerville FFA Chapter.

This course will be a 2 hour block.

Agricultural Science II and Zoology and Botany II

Grades 12 • Year long Course/Two-hour Block
Semester 1 - 67983; Semester 2 - 67984 • Location Fowlerville H.S. • 3 Credits

This course provides students hands on experiential learning opportunities. with the opportunities to explore individual opportunities in an independent study format. There will be an online component to the curriculum.

Botany & Greenhouse Mgt - Students will learn plant anatomy, physiology, soils and plant nutrition, tree and wildflower identification, maple syrup production, forestry and greenhouse management. Hands on experience in our interactive learning lab, woodlot, and community-partner locations will take learning out of the classroom into real life scenarios.

Zoology & Veterinary Science - Aspects of animal anatomy, physiology and health will be taught in the classroom and brought to life with experiential learning opportunities. Hands on projects could include aquaculture production, incubation of eggs and rearing of chicks, raising broiler chickens, and/or meat rabbit production.

This block course is appropriate for students interested in agricultural science. Students in this class will have opportunities to improve leadership, personal growth and practical skills through participation in the Fowlerville FFA Chapter. This course will be a 2 hour block.

Out of District Continued...

Energy Technology

Grades 11 - 12 • Year long Course/Two-hour Block
Semester 1 - 67373; Semester 2 - 67374 • Location Hartland H.S. • 3 Credits

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

Satisfies 4th Year Math Credit and/or VPAA Credit, Online Learning Experience

Firefighter

Grades 11 - 12 • Year long Course/Two-hour Block
Semester 1 - 67965; Semester 2 - 67966 • Location Howell • 3 Credits

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

Interested students must meet:

Academic criteria - must be on track for their graduating class

90% minimum attendance and 70% average classroom scores for the State of Michigan Firefighter Certification

Commitment to one 8-hour Saturday training session each month throughout the school year.

Satisfies VPAA Credit

Peer Mediators

Peer Mediators

Grades 11 – 12 • Semester Course * Semester 1 – 60031; Semester 2 – 60032 (½ Credit)

Prerequisite: Must complete an application and receive approval of program staff.

Students are trained and function as peer mediators helping students resolve conflicts with one another. Training requires time outside the regular school day. Responsibilities include, but are not limited to, maintaining mediation standards of behavior and confidentiality, completing all mediation record keeping, public speaking to student and/or parent groups, participation in student assemblies as assigned, peer counseling individual students as needed, tutoring students in the Study Center, and office assistance work in one or more of the offices

Livingston County Early College Programs (LCEC)

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

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

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

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

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

For more information on the LCEC program, please see your counselor and the <http://lcearlycollege.org/>

*During the 12th grade year, the number of courses students are required to take at the high school vary depending on the program of study. Overall, the student will be responsible for no more than 6 courses (college or high school) per semester. Career pathway areas available are: Nursing, Welding, Cyber Security/networking, Hospitality Management, Data Analytics, Construction, Auto Technology, Mechatronics/Robotics, Engineering/Manufacturing

Dual Enrollment

University of Michigan, Flint - Dual Enrollment Classes

Grade 12 * Year Course * Hartland High School *

Business & Economics Professions * 2 Hour Block * Semester 1 - 67971; Semester 2 - 67972

Law/Criminal Justice Professions * 2 Hour Block * Semester 1 - 67975; Semester 2 - 67976

Pre-Engineering Professions * 2 Hour Block * Semester 1 - 67351; Semester 2 - 67352

Pre-Medical Science Professions * 2 Hour Block * Semester 1 - 67355; Semester 2 - 67356

School of Management Business * 2 Hour Block * Semester 1 - 67361; Semester 2 - 67362

These five clusters (Business, Criminal Justice, Pre-Engineering, Pre-Medical Science, and School of Management Business) of dual enrollment courses are being piloted by Livingston County High Schools to offer options for senior students interested in Business, Criminal Justice, Engineering or Medicine. These clusters of courses are designed to offer students 12 college credits that can possibly transfer to their college of choice and to provide rigorous college courses in areas of a student's interest. Most of the cost of these college courses is covered by the local school district.

Students must travel to Hartland School District for their session of courses Monday through Friday all year long.
Students must:

- Be in good academic and attendance standing, with overall GPA of 3.0+
- Provide transportation
- Commit to the cluster for the entire year
- Be able to reduce their schedule at their respective high school in order to attend these afternoon courses
- Show an interest in Business, Criminal Justice, Engineering or Medicine
- Fill out the appropriate application for U of M Flint and their respective high school.
- Some programs have additional requirements. Please see your counselor.

BHS is only guaranteed limited seats in these programs. Therefore, the students allowed to attend these programs may be selected based on their academic transcript or college or career path. Juniors may apply but will receive consideration only if open seats remain after the selection process.

The clusters of Dual Enrollment Classes are listed below:

Business & Economics Professions Program (12 Credits)

Fall 2017 BUS 110, Business Concepts & Careers, 3 Credits
ECN 201, Principles of Economics - Macroeconomics, 3 Credits

Winter 2018 BUS 115, Introduction to Business Applications, 3 Credits
ECN 202, Principles of Economics - Microeconomics, 3 Credits

Law/Criminal Justice Professions Program (12 Credits)

Fall 2017 POL 120, American National Government & Politics, 3 Credits
CRJ 128, Introduction to the Criminal Justice System, 3 Credits

Winter 2018 COM 204, Argumentation & Debate, 3 Credits
POL 329, Civil Liberties & the Constitution, 3 Credits

Pre-Engineering Professions Program (13 Credits)

Fall 2017 ENG 102, Introduction to Engineering, 3 Credits
CSC 101, Fluency with Informational Technology & Computing, 3 Credits

Winter, 2018 EGR 165, Computer Aided Design, 3 Credits
CSC 175, Problem Solving & Programming, 4 Credits

Pre-Medical Science Professions Program (13 Credits)

Fall 2017 BIO 113, Principles of Biology, 4 Credits
PHL 202, Intro to Logic, 3 Credits

Winter 2018 BIO 328, Genetics, 4 Credits
HCR 206, Health Sciences Applications, 2 Credits

School of Management Business Program (12 Credits)

Fall 2017 BUS 110, Business Concepts & Careers, 3 Credits
BUS 115, Intro to Business Applications, 3 Credits

Winter 2018 EIM 340, Intro to Entrepreneurship, 3 Credits
BUS 250, Contemporary Legal Issues - Business, 3 Credits

Skills Classes

Freshman Skills

Grade 9 • Semester Course • Semester 1 60071; Semester 2 60072 (1/2 Credit)

This one or two semester class is designed to support 9th grade students' academic success in core classes. This course will address study, time management and self-advocacy skills, organizational techniques, and reading, writing and math support. The class is an elective credit and will count toward graduation. Administrator approval required.

Mastery Skills

Grades 10-12 • Semester Course • Semester 1 60073; Semester 2 60074 (1/2 Credit)

This one or two semester class is designed to support students' academic success in core classes. This course will address study, time management and self-advocacy skills, organizational techniques, and reading, writing and math support. The class is an elective credit and will count toward graduation. Administrator approval required.

OnLine Learning

MVS Holds (Online Learning for New Credit)

Grades 9-12 • Semester Course • Semester 1 08887; Semester 2 08888 (1/2 Credit)

Students may enroll in one to six online courses during a semester. Students taking online courses must adhere to the Online Policy Agreement and classroom policies. A list of possible online courses is available at Michigan Virtual or the statewide catalog. Contact your counselor or administrator for information on how to enroll in these courses. Enrollment for online classes closes on the second Wednesday after the semester begins.

OnLine Learning Lab (Credit Recovery)

Grades 9-12 • Semester Course • Semester 1 60027; Semester 2 60028 (1/2 Credit)

This course is designed for students that need to recover credit. In addition to completing online course work to recover credit, students will work on study skills and time management. Students will set weekly goals and complete weekly reflection journals as well as an entrance essay at the start of the semester and a final reflection at the end of the semester. Students must pass both the online learning lab and their online recovery course to receive the 0.5 elective credit for the Online Learning Lab. Students can only be scheduled in Online Learning Lab by their counselor or administrator.

Course Index Guide to Curriculum: Courses offered are alphabetized by department

| | <i>Year Long Course</i> | <i>First Semester</i> | <i>Second Semester</i> | | <i>Year Long Course</i> | <i>First Semester</i> | <i>Second Semester</i> |
|--|-------------------------|-----------------------|------------------------|--|-------------------------|-----------------------|------------------------|
| Art Department | | | | | | | |
| Art Works | | 68005 | 68006 | | | | |
| Drawing and Painting I | | 68035 | 68036 | | | | |
| Drawing and Painting Studio | | 68265 | 68266 | | | | |
| Metal Arts I | | 68015 | 68016 | | | | |
| Metal Arts Studio | | 68245 | 68246 | | | | |
| Pottery I | | 68025 | 68026 | | | | |
| Pottery Studio | | 68255 | 68256 | | | | |
| Advanced Placement Studio Art | | 68277 | 68278 | | | | |
| Business Department | | | | | | | |
| Accounting | | 66261 | 66262 | | | | |
| Advanced Placement Computer Science A | | 66477 | 66478 | | | | |
| Advanced Placement Computer Science Principles | | 66481 | 66482 | | | | |
| Intro to Digital Technology | | 66077 | 66078 | | | | |
| Law for Life | | 66225 | 66226 | | | | |
| Entrepreneurship | | 66033 | 66034 | | | | |
| Marketing I | | 66031 | 66032 | | | | |
| *‡ Marketing II | | 66235 | 66236 | | | | |
| Programming and Game Development | | 66075 | 66076 | | | | |
| Social Media | | 66057 | 66058 | | | | |
| Entertainment and Sports Marketing | | 66131 | 66132 | | | | |
| Web Design | | 66073 | 66074 | | | | |
| ** Work Based Learning CO-OP | | 67947 | 67948 | | | | |
| English Department | | | | | | | |
| Advanced Placement Literature & Comp | 61700 | | | | | | |
| Advanced Placement Language & Comp | 61800 | | | | | | |
| American Literature and Composition | 61470 | | | | | | |
| Literature and Composition 11 | 61670 | | | | | | |
| Creative Writing | | 61457 | 61548 | | | | |
| Composition of Argumentation | | 61085 | 61086 | | | | |
| Drama | | 61277 | 61278 | | | | |
| Expository Writing | | 61455 | 61456 | | | | |
| Honors Literature and Composition 11 | 61680 | | | | | | |
| Honors Literature and Composition 9 | 61100 | | | | | | |
| Honors American Literature and Composition | 61480 | | | | | | |
| Humanities – Art | | ----- | 61468 | | | | |
| Humanities – Music | | 61465 | 61466 | | | | |
| Literature and Composition 9 | 61050 | | | | | | |
| Performing Arts | | 61077 | 61078 | | | | |
| | | | | English Department, continued | | | |
| | | | | Mythology/Science Fiction | | 61265 | 61266 |
| | | | | Newspaper & Applied Journalism | 61270 | | |
| | | | | Speech | | 61275 | 61276 |
| | | | | World Literature and Comp | 61690 | | |
| | | | | Yearbook | | 61291 | 61292 |
| | | | | Video Production (Media 1 & 2) | 61370 | | |
| | | | | Family and Consumer Sciences Department | | | |
| | | | | Bake Shop | | 69047 | 69048 |
| | | | | Child Development – Infancy | | 69035 | ----- |
| | | | | Child Development – Preschool | | ----- | 69038 |
| | | | | Culinary Arts | | 69055 | 69056 |
| | | | | Early Childhood Education I | | 69435 | 69436 |
| | | | | Early Childhood Education II | | 69433 | 69434 |
| | | | | Health Education | | 69265 M-Z | 69266 A-L |
| | | | | Housing and Home Furnishings | | 69411 | 69412 |
| | | | | ** LINK Program | | 60023 | 60024 |
| | | | | Personal Finance | | 69665 | 69666 |
| | | | | Personal Power | | 69025 | 69026 |
| | | | | ** Successful Relationships | | 69425 | 69426 |
| | | | | Teacher Cadet | 67920 | | |

* Special permission or admission test required
 ** Permission Form Required

‡ A two-hour block

| | Year | First Semester | Second Semester | | Year | First Semester | Second Semester |
|--|-------|----------------|-----------------|--|------|----------------|-----------------|
| Mathematics Department | | | | Science Department | | | |
| Advanced Algebra - Applications | | 63393 | 63394 | Advanced Placement Biology | | 64501 | 64502 |
| Advanced Placement Calculus AB | | 63705 | 63706 | Advanced Placement Chemistry | | 64521 | 64522 |
| Advanced Placement Calculus BC | | 63701 | 63702 | Advanced Placement Environmental Science | | 64561 | 64562 |
| Advanced Placement Statistics | | 63711 | 63712 | Advanced Placement Physics I | | 64541 | 64542 |
| Algebra I - Common Core | 63070 | | | Advanced Placement Physics 2 | | 64543 | 64544 |
| Algebra II | | 63271 | 63272 | Anatomy and Physiology | | 64171 | 64172 |
| Algebra II (Two Year Program)Year 1- | 63280 | | | Astronomy | | 64457 | 64458 |
| Year 2- | 63290 | | | Biology | | 64070 | |
| Functions, Statistics and Trigonometry | | 63461 | 63462 | Botany | | 64441 | 64442 |
| Geometry | 63110 | | | General Chemistry | | 64271 | 64272 |
| Pre-Calculus | | 63481 | 63482 | Organic - Chemistry of Fuels and Food | | 64531 | 64532 |
| | | | | Physics | | 64471 | 64472 |
| | | | | Chemistry | | 64273 | 64274 |
| | | | | Forensics | | 69927 | |
| Music Department | | | | Social Studies Department | | | |
| Treble II | | 68111 | 68112 | Advanced Placement European History | | 62711 | 62712 |
| Advanced Placement Music Theory | | 68193 | 68194 | Advanced Placement Psychology | | 62721 | 62722 |
| Treble III | | 68135 | 68136 | Advanced Placement U.S. Govt. & Politics | | 62741 | 62742 |
| Freshmen Concert Band/Marching | | 68145 | 68146 | Advanced Placement United States History | | 62701 | 62702 |
| Jazz Band | | 68165 | 68166 | Advanced Placement World History | | 62053 | 62054 |
| Symphony Band | | 68153 | 68154 | Civics | | 62451 | 62452 |
| Tenor Bass | | 68125 | 68126 | Close Up Government/Economics | | 62461 | 62462 |
| Treble I | | 68123 | 68124 | Close Up Government/Advanced Placement | | 62741 | 62742 |
| Wind Symphony/Marching Band | | 68185 | 68186 | Current Events | | 62465 | 62466 |
| Wind Ensemble/Marching Band | | 68191 | 68192 | Economics | | 62453 | 62454 |
| | | | | Sociology | | 62265 | 62266 |
| | | | | Student Leadership | | 60041 | 60042 |
| | | | | Military History/Civilization and Conflict | | 62271 | 62272 |
| | | | | Psychology | | 62255 | 62256 |
| | | | | United States History and Geography | | 62250 | |
| | | | | World History and Geography | | 62051 | 62052 |
| | | | | Postwar America - The American Dream | | 62457 | |
| | | | | Postwar America - Troubled Times | | | 62458 |
| Physical Education Department | | | | | | | |
| BFS Weight Training | | 69935 | 69936 | | | | |
| Individual Sports | | 69923 | 69924 | | | | |
| Nutrition & Fitness | | 69945 | | | | | |
| **Physical Education Assistant** | | 69985 | 69986 | | | | |
| Physical Education Readiness | | 69901 | 69902 | | | | |
| Recreational Sports | | 69925 | 69926 | | | | |
| Sports Management | | 69983 | 69984 | | | | |
| Sports Tech | | 69947 | 69948 | | | | |
| Team Sports | | 69921 | 69922 | | | | |
| Aquatics Basics | | 69927 | | | | | |

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 ** Permission Form Required

‡ A two-hour block

| | Year Long Course | First Semester | Second Semester | Year Long Course | First Semester | Second Semester |
|--|------------------|----------------|-----------------|---|----------------|-----------------|
| Special Education Department | | | | Consortium (Out-of-District) | | |
| Foundation English | | 60141 | 60142 | Advanced Auto Technology - Pinckney | 67427 | 67428 |
| Foundation Math | | 60341 | 60342 | Advanced Computer Network Engineering | 67953 | 67954 |
| Foundations of Physical Education | | 69955 | 69956 | Automotive Technology II - Hartland | 67425 | 67426 |
| Foundation Science | | 60441 | 60442 | Agricultural Science & Zoology & Botany | 67967 | 67968 |
| Foundation Social Studies | | 60211 | 60212 | Agricultural Science II & Zoology & Botany II | 67983 | 67984 |
| Pre-Vocational | | 60051 | 60052 | Computer Network Engineering | 67621 | 67622 |
| Basic Resource Room | | 09995 | 09996 | Cosmetology | 67945 | 67946 |
| Social Communication Skills | 60980 | | | Construction Technology I and II | 67907 | 67908 |
| WRAP/Work Study | | 60703 | 60704 | Culinary Arts/Restaurant Management | 67925 | 67926 |
| Technology and Industry Department | | | | Energy Technology | 67973 | 67974 |
| Architectural C.A.D.D. (Computer Aided Design) | | 67243 | 67244 | Engineering and Robotics I | 67915 | 67916 |
| Advanced Automotive Technology | | 67227 | 67228 | Engineering and Robotics II | 67917 | 67918 |
| Automotive Technology I | | 67223 | 67224 | Firefighter | 67965 | 67966 |
| Automotive Technology II (2 Hour Block) | | 67225 | 67226 | Health Occupations II EMS | 67961 | 67962 |
| Engineering Design Technology 1 | | 67045 | 67046 | Health Occupations II - Year 2 | | 67364 |
| Engineering Design Technology 2 | | 67241 | 67242 | Manufacturing Tech - Year 1 | 67938 | 67939 |
| ‡ Engineering Applications Semester | | 67111 | 67112 | Manufacturing Cluster/Internship | 67941 | 67942 |
| ‡ Engineering Applications Block II | 67120 | | | Work-Based Learning CO-OP 1 Hour Block | 67947 | 67948 |
| ‡ Graphic Communications | | 67285 | 67286 | Private Pilot Training | 67957 | 67958 |
| Graphic Design | | 67087 | 67088 | Consortium (In-District) | | |
| Introduction to Automotive Technology | | 67025 | | Early Childhood Education | 69435 | 69436 |
| | 67026 | | | Engineering Applications Semester Class | 67111 | 67112 |
| Introduction to Graphic Communications | | 67085 | | Engineering Applications Block | | 67120 |
| Engineering Robotics I | | 67063 | 67064 | ‡ Graphic Communications | 67285 | 67286 |
| Engineering Robotics II | | 67067 | 67068 | Health Occupations, Year 1 | 67933 | 67934 |
| World Language Department | | | | Intro to Graphic Communications | 67085 | 67086 |
| American Sign Language (ASL) III | 65490 | | | Marketing Education II | 66235 | 66236 |
| American Sign Language (ASL) IV | 65480 | | | Teacher Cadet | | 67920 |
| French I | 65070 | | | Dual Enrollment - U of M Flint | | |
| French II | | 65271 | 65272 | Business & Economics Professions * 2 Hour Block * | 67971 | 67972 |
| French III | | 65471 | 65472 | Law/Criminal Justice Professions * 2 Hour Block * | 67975 | 67976 |
| French IV | | 65671 | 65672 | Pre-Engineering Professions * 2 Hour Block* | 67351 | 67352 |
| French V | | 65771 | 65772 | Pre-Medical Science Professions * 2 Hour Block * | 67355 | 67356 |
| Spanish | 65030 | | | School of Management Business * 2 Hour Block * | 67361 | 67362 |
| Spanish II | | 65231 | 65232 | Peer Mediators | | |
| Spanish III | | 65431 | 65432 | ** Peer Mediator | 60031 | 60032 |
| Spanish IV | | 65631 | 65632 | Skills Classes | | |
| Spanish V | | 65731 | 65732 | Freshman Skills | 60071 | 60072 |
| | | | | Mastery Skills | 60073 | 60074 |
| | | | | OnLine Learning (MVS) | | |
| | | | | OnLine Learning | 08887 | 08888 |
| | | | | OnLine Learning (Credit Recovery) | 60027 | 60028 |

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‡ A two-hour block