

Chardon High School

Program of Studies



www.chardonhs.org

Chardon High School

Program of Studies



2023-2024

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The selection of a high school course is a very important task and one in which you, your parents, and your school counselors should give careful thought. Minimum and maximum class sizes have been established for each course. If a course fails to have the minimum number of students enrolled, it may be canceled.

It is essential that you decide which courses best fit your needs and register for them. Each year students are disappointed because a class they requested closes or cancels. Although all classes in this program of studies may be initially offered, final decisions on class offerings will be determined by enrollment requests. Please note that some classes are offered on a rotating basis; see specific course descriptions for information.

For 2023-2024, Chardon Local Schools will again be partnering with Lakeland Community College for College Credit Plus (CCP) courses available on our campus. CCP offers qualified students the opportunity to enroll in college courses and earn college credit; which can also be used to fulfill high school graduation requirements. For additional information regarding CCP, please meet with your school counselor.

Students are encouraged to carefully plan an educational path that will assist them in reaching their goals. The educational programs and courses outlined are designed to guide students in selecting the course plan that will lead them toward achieving their academic goals.

SPECIAL NOTE

Information included in this program of studies is accurate as of its publication date. Parents and students will be notified of specific changes to course offerings and requirements if changes are made.

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Minimum Graduation Requirements

[\(See Board Policy\)](#)

The requirements for graduation from Chardon High School includes earning twenty (20) units of credit as established in State law and this Board of Education and fulfilling the requirements of one (1) graduation pathway that has been approved by the State of Ohio.

To graduate, students must earn twenty (20) units of high school credit as follows:

English	four (4) units
Health	one half (0.5) unit
Physical Education	one half (0.5) unit (2 semesters)
Mathematics	four (4) units
Must include one (1) unit of algebra II or equivalent of algebra II or one (1) unit of advanced computer science. Students who are enrolled in a career technical program may complete a career-based pathway math course as an alternative to algebra II or advanced computer science.	
Science	three (3) units
Must include one (1) unit of physical sciences, one (1) unit of life sciences, and one (1) unit of advanced study in one (1) or more of: chemistry, physics, other physical science, advanced biology or other life science, physical geology or other earth or space science, computer science.	
Social Studies	three (3) units
Must include at least one-half (1/2) unit in World history and civilizations. History and government (must include one-half (1/2) unit of American history, one-half (1/2) unit of American government).	
Electives	five (5) units
Must include one (1) or any combination of a world language, computer coding, fine arts, business, career-technical education, family and consumer sciences, technology, a junior reserve officer training corps (JROTC) program approved by the U.S. Congress, or English, Mathematics, Science, or Social Studies courses not otherwise required.	

All students must receive instruction in financial literacy during Grades 9-12. Additionally, all students must receive instruction in cardiopulmonary resuscitation and the use of an automated external defibrillator from an approved source during Grades 9-12, unless the student is exempted from such training due to a disability or by written request of the parent.

Senate Bill 1 (2021) requires all students, starting ninth grade in the 2022-2023 school year and beyond, must complete a semester of Financial Literacy. Students must successfully complete this course or a College Credit Plus Financial Literacy course to graduate from high school.

Overview of Graduation Requirements by Graduating Class

To provide a comprehensive overview of Ohio's graduation requirements in response to recent updates, the chart below outlines the options available to each cohort, as well as a description of the requirements.

2023 and beyond will satisfy the following:

Permanent Graduation Requirements

Students in the classes of 2023 and beyond will be required to meet the permanent requirements in order to graduate. The permanent requirements are listed below:

- 1. Demonstrate Competency:** Students must demonstrate competency in Math and English by passing the state's Algebra I and English II tests. Students who have taken required tests more than once without passing and have received remedial supports are able to show competency through one of the options below:
 - Earn credit for one math and/or one English course through College Credit Plus;
 - Demonstrate career readiness and technical skill through foundational and supporting options; including industry recognized credentials
 - Enter into a contract to enlist in the military upon graduation.
- 2. Preparation for College or Careers:** Students must earn two diploma seals, one of which must be state defined, to demonstrate academic, technical and professional readiness for careers, college, the military or self-sustaining professions.

State System of Diploma Seals

[Chardon High School's Graduation Seal Outline](#)

Please refer to the Chardon High Schools Seals Outline link above for further information about each graduation seal

[OhioMeansJobs Readiness Seal \(Ohio\)](#)

Meet the requirements and criteria established for the readiness seal, including demonstrating work-readiness and professional skills.

[Industry-Recognized Credential Seal \(Ohio\)](#)

Earn an approved industry-recognized credential that is aligned to a job considered in demand in Ohio and regionally.

College-Ready Seal (Ohio)

Earn a Remediation-free score on the ACT or SAT.

Military Enlistment Seal (Ohio)

Provide evidence that a student has enlisted in a branch of the U.S. Armed Forces; or Participate in an approved JROTC program (More information is forthcoming).

Citizenship Seal (Ohio)

Achieve one of the three following requirements: 1. Earn a score of proficient or higher on both the American History and American Government end-of-course exams; 2. Earn a score that is at least equivalent to proficient on appropriate Advanced Placement exams; 3. Earn a final course grade that is equivalent to a “B” or higher in appropriate classes taken through the College Credit Plus program. 4. Earn a final course grade that is equivalent to a “B” or higher in an American History course or an American Government course offered by the student’s high school.

Science Seal (Ohio)

Achieve one of the three following requirements: 1. Earn a score of proficient or higher on the Biology end-of-course exam; 2. Earn a score that is at least equivalent to proficient on appropriate Advanced Placement exams; 3. Earn a final course grade that is equivalent to a “B” or higher in appropriate classes taken through the College Credit Plus program. 4. Earn a final course grade that is equivalent to a “B” or higher in an advanced science course.

[Honors Diploma Seal \(Ohio\)](#)

Earn one of six Honors Diplomas: 1. Academic Honor Diploma 2. International Baccalaureate Honors Diploma 3. Career-Tech Honors Diploma 4. STEM Honors Diploma 5. Arts Honors Diploma Includes dance, drama/theater, music and visual art. 6. Social Science and Civic Engagement Honors Diploma.

[Seal of Biliteracy \(Ohio\)](#)

Meet all of the requirements and criteria, including proficiency requirements on assessments in World Language and English.

Technology Seal (Ohio)

Achieve one of the three following requirements: 1. Earn a score that is at least equivalent to proficient on an appropriate Advanced Placement exam; 2. Earn a final course grade that is equivalent to a “B” or higher in appropriate classes taken through the College Credit Plus program; 3. Complete a course offered through the district or school that meets guidelines developed by the Department. (A district or school is not required to offer a course that meets those guidelines).

Community Service Seal (Local)

Complete a community service program aligned with the guidelines approved by the Chardon Board of Education.

Fine and Performing Arts Seal (Local)

Demonstrate skills in the fine or performing arts that align with the guidelines approved by the Chardon Board of Education.

Student Engagement Seal (Local)

Participate in extracurricular activities and meet the required guidelines that align with the guidelines approved by the Chardon Board of Education.

Areas of Study for College Preparation

Experience has shown that in order to successfully prepare for college level work, high school students should undertake a well-balanced program with some courses in each of the academic fields. These are recommendations and are not requirements for all colleges.

The Ohio Board of Regents has stated the following program to be the **RECOMMENDED** college preparatory program for students attending Ohio's thirteen state universities. This is the same program as Chardon High School and other universities have been recommending for a number of years.

The recommendations include the following: English: 4 or more units, Fine Arts: 1 unit, Mathematics: 4 or more units, Science: 3 or more units, Social Studies: 3 or more units, and World Language: 2 units

These are recommendations and not the exclusive requirement for admission to colleges and universities. Criteria for acceptance vary from school to school and in many cases exceed core requirements.

Ohio High School Honors Diploma Requirements

College Prep Honors Diploma - Must meet at least 7 of 8 criteria:

1. English 4 Units
2. Mathematics 4 Units (Algebra I, Geometry, Algebra II and a higher level course)
3. Science 4 Units (including 2 units of Advanced Science)
4. Social Studies 4 Units
5. World Language 3 Units (or 2 units each of two different World languages)
6. Fine Arts 1 Unit
7. GPA 3.50+ cumulative GPA (4.0 scale)
8. ACT/SAT ACT: 27+ SAT: 1280+

Vocational Education Honors Diploma - Must meet 7 of 8 criteria:

1. English 4 units
2. Mathematics 4 units (Algebra 1, Algebra II, Geometry and a higher level course)
3. Science 4 units (including 2 units of advanced science)
4. Social Studies 4 units
5. Voc./Tech 4 units in a career-technical education program that leads to an industry-recognized credential, results in an apprenticeship or is part of an articulated career pathway, which can lead to postsecondary credit. If the student's program design does not provide for any of these outcomes, then the student must achieve the proficiency benchmark established for the applicable Ohio career-technical competency assessment or the equivalent;
6. Achieve the proficiency benchmark established for the Ohio Career-Technical Competency Assessment (available at <https://education.ohio.gov/Topics/Career-Tech/Career-Technical-Education-Assessment-System> or equivalent assessment aligned with state-approved and industry-validated technical standards
7. GPA 3.50+ cumulative GPA (4.0 scale)
8. ACT/SAT ACT: 27+ SAT: 1280+

STEM Honors Diploma - Must meet at least 7 of 8 criteria:

1. Math 5 Units
2. Science 5 Units (including 2 units of advanced science)
3. Social Studies 3 Units
4. World Language 3 Units (or 2 units each of two different world languages)
6. Fine Arts 1 Unit
7. Electives 2 Units with a focus in STEM
8. GPA 3.50+ cumulative GPA (4.0 scale)
9. ACT/SAT ACT: 27+ SAT: 1280+
10. Field Experience Complete a field experience and document the experience in a portfolio specific to the student's area of focus
11. Portfolio: Develop a comprehensive portfolio of work based on the student's field experience or a topic related to one's focus.

Scheduling Expectations

Academic Course Load

Each student [8-10] will be enrolled in a minimum of six credits per year. Each student [11-12] must be enrolled in five credits per year. Students may enroll in fewer accredited courses with administration approval.

Course Sequence

Students will be expected to follow course sequence and fulfill prerequisites as indicated by this program of studies.

Drop/Add Policy

From time to time there may be circumstances in which it is recommended a student drop a course. If a student drops a semester course after three weeks or a year long course after six weeks, the student will receive an F for the semester or year long course. The grade of F will be recorded on the transcript as the final grade for the course. If a student makes a level change (e.g., from honors to regular), the in progress grade will transfer to the new class for that grading period.

Programs

Advanced Placement (AP)

AP courses allow high achieving, highly motivated high school students to undertake college-level academic learning. AP exams (administered in May) give students the opportunity to receive college credit, advanced placement or both from hundreds of colleges and universities that participate in the AP program. AP courses make substantial academic demands on students. Students are required to do considerable outside reading and other assignments to demonstrate the analytical skills and writing abilities expected of college freshmen.

Auburn Career Center

The offerings at Auburn Career Center provide juniors and seniors a variety of career choices. While students are obtaining a marketable skill, they are able to take three (3) academic classes at the home school. Applications for Auburn Career Center are available online. Programs available include the following:

Advanced Manufacturing	Allied Health Technology
Architecture and Project Management	Automotive Collision Repair
Automotive Technology	Computer Networking & Cyber Security
Construction	Cosmetology
Criminal Justice & Security	Culinary Arts
Dental Assistant Technology	Electrical Engineering Prep
Emergency Medical Services	Heating, Ventilation & Air Conditioning
Interactive Multimedia Technology	Marketing & Business Applications
Patient Care Technician	Plant, Turf & Landscape Management
Pro Web and Game Design	Production and Welding Technology
Teaching Professions Pathways	Technology Engineering & Design
Welding	

Career Technical Education Programs at Auburn are 2-year programs for 11th and 12th grade students. First year students attend from 8:00 am to 10:53 am and second year students attend from 10:58 am to 2:28 pm. Juniors entering Auburn must have junior status and have earned the following credits: 2 English, 2 Math, 2 Science and 2 Social Studies. Students may have the opportunity to take an online English course during 11th and 12th grade through Auburn Career Center.

College Credit Plus

College Credit Plus is a program where qualified high school students enroll either full or part-time in a local college for high school and college credit. Admission requirements vary for each participating college. To be eligible for the program a student must meet the following criteria:

- a) be a full time high school student
- b) attend/ a required informational meeting to learn the advantages and disadvantages of the program; this parent/student meeting is held in February at Chardon High School
- c) a student and parent must sign an “intent to participate” form and turn it into the Guidance Office **no later than April 1st.**
- d) be accepted by the college the student wishes to attend.
- e) see [Lakeland’s](#) rules and regulations



Math & English Placement 2022-2023

College Credit Plus (CCP) Students

CCP ADMISSION CRITERIA

High School GPA 3.0 unweighted, cumulative high school GPA for students entering 10 th , 11 th , or 12 th grades*	<u>OR</u>	ACT/SAT ACT English Score – 18 SAT Evidenced-Based Reading & Writing Score – 480	<u>OR</u>	ACCUPLACER Next-Generation Writing Test – 263
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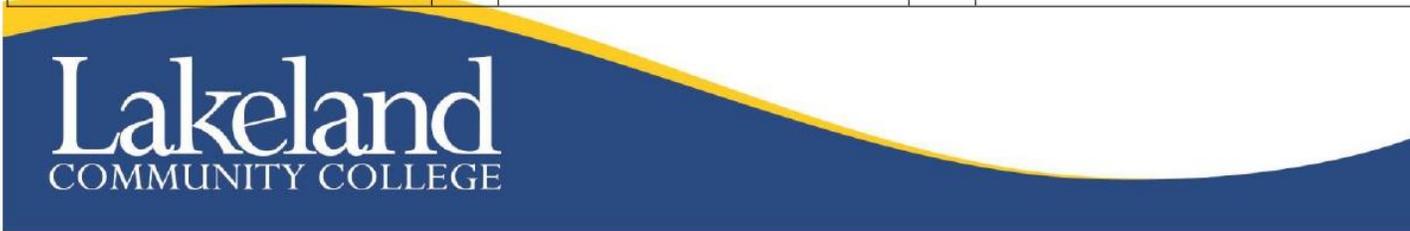
** Students who are entering 7th – 9th grades, as well as students who do not meet the minimum GPA requirement must submit an eligible ACT, SAT or ACCUPLACER test score to be admitted to the CCP Program.*

ENGLISH PLACEMENT

ENGL 1110 – English Composition 1(A)				
High School GPA 3.0 unweighted, cumulative high school GPA for students entering 10 th , 11 th , or 12 th grades	<u>OR</u>	ACT/SAT ACT English Score – 18 SAT Evidenced-Based Reading & Writing Sub Score – 480	<u>OR</u>	ACCUPLACER Next-Generation Writing Test – 263

MATH PLACEMENT

MATH 1330 – Statistics for the Health Science & MATH 1550 – Statistics			
High School GPA 3.0 unweighted, cumulative high school GPA, completed Algebra 2 (any grade)	<u>OR</u>	ACT/SAT ACT Math Score – 21 SAT Math Score – 500	ACCUPLACER Next-Generation Quantitative Reasoning, Algebra and Statistics Test – 263 <u>OR</u> Next-Generation Advanced Algebra and Functions Test – 240
MATH 1600 – Survey of College Mathematics			
High School GPA 3.0 unweighted, cumulative high school GPA with an A or B in Algebra 2	<u>OR</u>	ACT/SAT ACT Math Score – 21 SAT Math Score – 500	ACCUPLACER Next-Generation Quantitative Reasoning, Algebra and Statistics Test – 263 <u>OR</u> Next-Generation Advanced Algebra and Functions Test – 240
MATH 1650 – College Algebra			
High School GPA 3.0 unweighted, cumulative high school GPA with an A or B in Algebra 2	<u>OR</u>	ACT/SAT ACT Math Score – 22 SAT Math Score – 530	ACCUPLACER Next-Generation Advanced Algebra and Functions Test – 263



Lakeland
COMMUNITY COLLEGE

Credit by Examination (Credit Flexibility)

Credit by Examination (CE) allows students to complete an assessment (exam, a series of tests, performance, project, and/or portfolio, etc.) to earn credit for courses typically offered during the day at Chardon High School. The course assessment and completion timeline will be provided by the Department Head in each academic area. Credits earned through CE do not count in the minimum course load requirement which is 5 credits per year. Also, CE credits do not count for the 5 credits needed for extracurricular eligibility.

Credit Recovery

Credit Recovery (CR) is the process of recovering credits for required courses that a student has completed, but failed. CR courses are offered through summer school or online at any time of year.

Educational Options

Educational Options (EO) are typically used for courses and content areas not taught or available in the Chardon High School Curriculum. Options include: Distance Learning, Online Coursework, Independent Study, Educational Travel, Senior Project, Service Learning, Internship, etc. These programs must be pre-approved by the principal and may require the student to identify a licensed “teacher of record” to monitor the plan and assign the final grade. Credits earned through EO **do not count in the minimum course load requirement** which is 5 credits per year. In addition, EO credits **do not count for the 5 credits needed for extracurricular eligibility**. Educational Options credits may be earned as additional credits beyond the 5 credit minimum.

Independent Study (Credit Flexibility)

Independent Study (IS) allows students to devise their own course of study for subjects not offered in the Chardon HS curriculum or as an alternative to existing Chardon High School courses. The student must ensure that IS courses meet Ohio Department of Education "Content Standards" for that subject. A faculty member will review the proposed course of study to determine: 1) the credit value of the course; 2) the course title; and 3) whether the credit will be counted as a "graduation requirement" or as an "elective." IS courses **do not** count in the 5 credit per year course load minimum requirement. In addition, DL format courses **may not** be used for the 5 credits needed for extracurricular eligibility.

Physical Education Waiver

Students may be excused from the physical education course requirement by participating in **district-sponsored** interscholastic athletics, marching band, cheerleading, or show choir for at least two (2) seasons. Club activities and/or club sports are not considered part of the District - sponsored athletics, marching band, cheerleading, or show choir. Students will not be required to complete any physical education course as a condition to graduate. However, in order to be eligible for graduation, a high school student must complete at least one (1) semester of instruction in another course of study.

A student who has not fulfilled his/her Physical Education requirement prior to the start of their eighth semester, will be scheduled into a PE class(es). Participation in spring activities of a student's senior year cannot be used to fulfill the PE Graduation requirement.

A student must choose to meet their physical education requirement EITHER through the waiver OR through physical education classes. (Students may not use a combination of both.)

Summer School

Students may wish to consider the possibility of supplementing their program or completing makeup work with a summer course.

Full OHSAA and CHS Eligibility Quick Reference Guide

Additional Information

- Only grades issued for the quarter grading periods count toward eligibility. Final exam scores, semester grades, and year-end grades are not considered. (CCP Exclusions may apply)
- Eligibility changes on the fifth school day after the end of a grading period.
- Students who are ineligible may not practice with an athletic team while they are ineligible.
- Families should review the schedules of their sons/daughters prior to each quarter to be sure they meet the eligibility requirements. Keep in mind that dropping a course during the school year may result in ineligibility.
- Students enrolled in college courses through the CCP program should make an appointment with their high school counselor to determine eligibility.

Please contact the School Counseling Department (285-4060) or Athletic Department (286-0414) if there are any questions regarding eligibility. There are several other factors that can affect a student's eligibility for athletics. These include age limitations, school transfers, residency rules, participation in non-school teams, etc. Please refer to the eligibility pamphlet given out at the beginning of each athletic season or contact the Athletic Director at 286-0414 for more information.

Guidelines for Determining Extra-Curricular Eligibility at CHS

According to the [eligibility policy](#) for the Chardon Local School District students must meet the following main criteria:

- Meet the OHSAA requirements:
 - enrolled in at least five one credit courses or the equivalent, each of which counts toward graduation.
 - received passing grades in at least five one credit courses or the equivalent, each of which count toward graduation, during the immediately preceding grading period, or as an incoming 9th grader, passing four classes.
- CHS Specific- Earn at least a 2.0 GPA for the quarter prior to participation
- CHS Specific- Earn no F's (failing grades) during the quarter prior to participation
- 7/8th grade specific: middle school athletes must have received passing grades in at least four classes (OHSAA), during the immediately preceding grading period, maintained at least a 2.0 grade-point average (Chardon BOE policy), and must not have received a failing grade (Chardon BOE policy) in any course for the grading period previous to the one in which s/he wishes to participate.

Board Policy: An exception may be made by the Principal if the student has been participating in an intervention program and has shown satisfactory progress toward achieving the minimum grade-point average.

NCAA Eligibility

For those who plan to participate in Division I or Division II College Athletics

You must be certified by the NCAA Eligibility Center to establish initial eligibility. Appropriate coursework must be carefully planned each year to ensure compliance.

Students should register with the Eligibility Center on-line at www.eligibilitycenter.org by the fall of their senior year or earlier. See your Athletic Director or School Counselor if you have any questions.

TITLE IX

The Chardon Local School District does not discriminate on the basis of sex, race, religion, handicap, national origin or marital status as required by Title VI of the 1964 Civil Rights Act, Title IX of the 1972 Educational Amendments, or Section 504 Regulations of the 1973 Rehabilitation Act.

If you have questions or concerns, contact Dr. Hanlon, Title IX Compliance Officer, Chardon Board of Education, 428 North Street, Chardon, Ohio 44024 (285-4052).

Chardon High School Course Descriptions 2023-2024

Good planning up front in the scheduling process will help us in our efforts to offer the courses you choose. Be sure to include parents and school counselors in the process. Once the master schedule is finalized, it becomes very difficult to make changes later. For 2023-24, only minor changes were made to the Program of Study given the uncertain times surrounding the pandemic. Families need to pay attention to changes in required testing and graduation requirements from the Ohio Department of Education as they respond to the challenges schools face in balancing in-person and remote learning.

TYPES OF COURSES

REQUIRED COURSES

A required course is one that must be successfully completed in order to meet Chardon's graduation requirements. For example, you must successfully complete Government in order to graduate.

RECOMMENDED COURSES

A recommended course is not necessarily one that has to be taken to meet a requirement. It is, however, a course that we have found in the past to be highly valued by colleges and employers.

ELECTIVE COURSES

Elective courses are those which are not specifically identified as graduation requirements. You will need to take some elective courses in order to have sufficient credits to graduate. All of our elective courses are designed to provide you with a marketable skill; make you a better informed human being, citizen and consumer; and help you expand your knowledge in areas that will become lifelong hobbies or avocations.

ADVANCED PLACEMENT COURSES (AP)

AP courses are College Board approved courses designed to prepare the student for taking college-level coursework and exams while still in high school. Taking AP courses can result in students earning college credit or placement once the student enrolls in a college or university. AP courses are accepted by most colleges and universities. It is important that the student be informed about the policies of their potential colleges.

COLLEGE CREDIT PLUS COURSES (CCP)

College Credit Plus courses will receive college and high school credit at the same time. CCP courses will receive transcribed credit recognized at all public colleges and universities in Ohio.

PREREQUISITE COURSES

A prerequisite is a condition that must be met before a student may enroll in a certain course. Please check these requirements carefully before making selections. Prerequisites reflect the desire of each department to ensure the success of students in selected courses.

CO-REQUISITE COURSES

A course listed as a co-requisite must be taken prior to or at the same time as a certain course.

ART Department

Those students wishing to major in art in college should take a serious attitude toward all the course offerings. The development of a portfolio begins at the freshman level in **Elements of Art** and continues through AP Studio Art. Art courses can also be taken for personal enjoyment and artistic expression.

2D Visual Art

ART009 **Grade 8-9** **Semester** **0.50 credit**

Drawing and painting in the eighth grade continues to stress the importance of the elements while adding the principles of design and how they guide the artists in the creation of their work. The class focuses upon developing the ability to work realistically using understanding; composition, perspective, proportion, and shading.

3D Visual Art

ART010 **Grade 8-9** **Semester** **0.50 credit**

The pottery class will be built upon various clay mediums (polymer, gray clay, terracotta and possibly porcelain). The class will expand hand building skills and techniques as well as cover several glazing techniques (stamping, decals transfers, resists and graffito). In addition the class will also introduce centering and working with clay on the pottery wheel.

Elements of Art

ART100 **Grades 8-12** **Full Year** **1 credit**

It is required that students take this course before taking any other art courses.

This is an introductory course that offers the basics in design, drawing, painting, pottery and printmaking. It is designed for the student who wishes to develop a basic understanding of the elements and principles of art using a variety of basic media and technical applications. A sampling of historical periods in art will be introduced. **An outside sketchbook is required.**

Drawing I

ART202 **Grades 9-12** **Semester** **0.50 credit**

Prerequisite: **Elements of Art;** Recommended to be taken with Painting I.

This is the first part of a course designed for the student who wishes to continue developing individual abilities and visual skills while focusing on drawing and mixed media. Subjects such as imagination, life-study, illustration problems, still-life and media such as watercolors, colored pencil, pen & ink, charcoal, oil pastel & digital are examples of the types of work which may be covered during the semester. Self-expression, creativity and communication of ideas will be emphasized through a variety of projects. New techniques and artists related to subjects or techniques will be studied. **A sketchbook is required.**

Painting I

ART203 **Grades 9-12** **Semester** **0.50 credit**

Prerequisite: **Elements of Art;** Recommended to be taken with Drawing I.

This is the first part of a course designed for the student who wishes to continue developing individual abilities and visual skills while focusing on painting and mixed media. Subjects such as imagination, life-study, illustration problems, still-life and media such as watercolors, tempera, acrylic, oil, & digital are examples of the types of work which may be covered during the semester. Self-expression, creativity and communication of ideas will be emphasized through a variety of projects. New techniques and artists related to subjects or techniques will be studied. **A sketchbook is required.**

Ceramics I

ART204 **Grades 9-12** **Semester** **0.50 credit**

Prerequisite: **Elements of Art**

This course is designed for the student who wishes to further develop skills in clay and other tactile media to create functional or non-functional pottery, sculpture, and casts. The student will develop a keen sense of creative process

through the implementation of research, problem solving, and ideation. Projects will include hand building and wheel throwing techniques, slip casting, and sculpture. The student should be competent in drawing.

Digital Art & Design

ART205 **Grades 9-12** **Semester** **0.50 credit**

Prerequisite: Elements of Art

In this course, students will explore core concepts associated with digital art and technology. Through learning how to use Adobe Photoshop and Adobe Illustrator, the students will work with concepts such as visual art and graphic design. Projects include **logo** design, physical application, photography, digital painting, and more.

Metals

ART206 **Grades 9-12** **Semester** **0.50 credit**

Prerequisite: Elements of Art

In this course the student will develop individual abilities in three dimensional forms. The course will explore a variety of sculptural media (mainly metal) to create functional or nonfunctional art. The context of each artwork will be based on cultural influences, historical trends or individual expression. Projects may include functional objects (jewelry, flatware, metals) as well as non-objective forms. The student should be competent in drawing.

Animation

ART208 **Grades 9-12** **Semester** **0.50 credit**

Prerequisite: Elements of Art

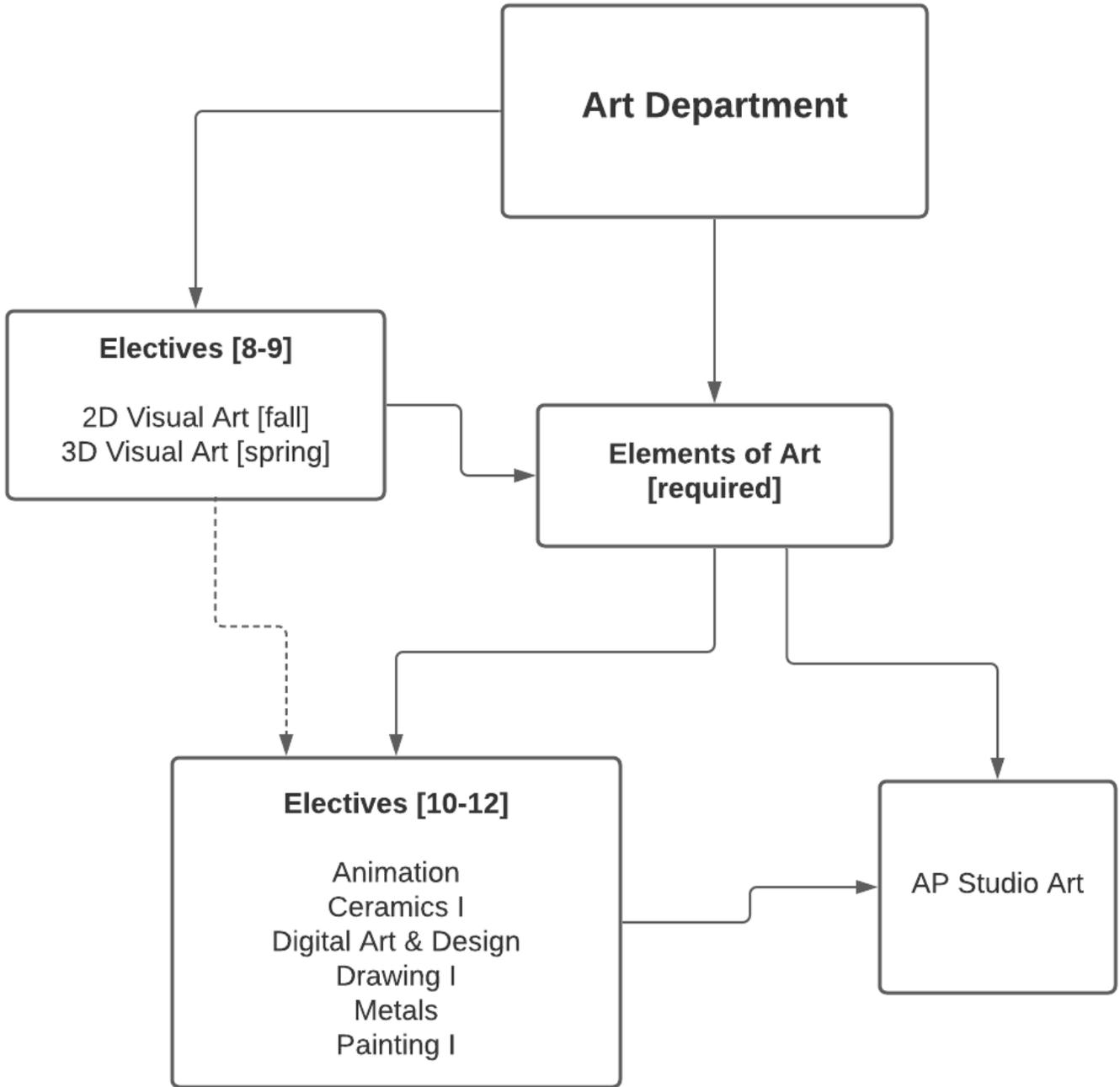
Storytelling is an art that requires the practice of craft-based techniques. In this course focus will be placed on story/character development and design through processes including sequential art forms such as **character design**, comic creation, storyboarding, illustration, and polymer sculpture using traditional and digital techniques. Learn the vocabulary and processes of narrative structure as it pertains to the elements and principles of design. Graphic novels, cinematic storyboards and their scripts will be studied. **A sketchbook is required.**

AP Studio Art

ART504 **Grades 11-12** **Full Year** **1 credit**

The AP Studio Art classes and portfolios are designed for students who are seriously interested in the practical experience of art. AP Studio Art is not based on a written exam; instead, students submit portfolios for evaluation at the end of the school year.

This full-year course is designed for the art student who is seriously considering furthering one's education in art and wishes to develop a portfolio for college scholarship. Those students who wish Advanced Placement credit may do so through this course. Emphasis will be placed on the quality of one's work showing excellence in its execution. Advanced areas to be addressed will include: portfolio preparation for presentation, higher level conceptual development and production in painting, drawing, printmaking, and 2D design. Media integration through exploration will be stressed as well. A weekly outside sketchbook is required.



BUSINESS Department

The Mission of the Chardon High School Business Education Department is high achievement for all students, where learning is our most important work. This learning will include immersion in the latest trends in business with a focus on college and career readiness. Students and department members will benefit from partnerships with business and industry leaders and purposeful collaboration within and between departments at Chardon High School.

Course Content

The subject matter of a course enrolled in under the Lakeland College Credit Plus program may include mature subject matter or materials, including those of a graphic, explicit, violent, or sexual nature, that will not be modified based upon College Credit Plus enrollee participation regardless of where course instruction occurs.

CCP Introduction to Business

BAT300 Grades 8-12 Semester 1 credit

(CCP Course: Qualified students receive college credit from Lakeland)

Please note that ALL STUDENTS MUST meet Lakeland [standards](#) to enroll in the course

This course provides an overview of the U.S. business world, focusing on the historical development of American business from the early years to the present. It includes major business functions: management, marketing, manufacturing, distribution, financial operations, and human resource management. It also focuses on business ethics, in theory and practice, in today's highly competitive business environment.

CCP Business Ethics

BAT301 Grades 8-12 Semester 1 credit

(CCP Course: Qualified students receive college credit from Lakeland)

Please note that ALL STUDENTS MUST meet Lakeland [standards](#) to enroll in the course

This course introduces students to the relevance and importance of ethics in business. It examines ethical considerations and dilemmas facing corporations, managers, and employees and develops ethical decision-making skills with a stakeholder focus. Students will become familiar with business ethics, views and theories, corporate social responsibility policies and practices, and the application of sustainability to business decisions.

CCP Business Communications

BAT302 Grades 8-12 Semester 1 credit

Prerequisite: Introduction to Business

(CCP Course: Qualified students receive college credit from Lakeland)

Please note that ALL STUDENTS MUST meet Lakeland [standards](#) to enroll in the course

This course provides students with a fundamental understanding of important oral and written skills in the business environment. This course includes practical application of oral and written communication skills in a simulated business setting. Students will develop and enhance their skills in researching, planning, writing, editing, and presenting a diversity of business communication. Additionally, emphasis on the process of writing, tone and style, and business correspondence utilizing a diversity of formats will be a major part of this course. Development and improvement of oral and employment communication, including resumes, job interview techniques, and business presentation style, is a component of this course.

CCP Introduction to Entrepreneurship

BAT303 Grades 8-12 Semester 1 credit

Prerequisite: Introduction to Business

(CCP Course: Qualified students receive college credit from Lakeland)

Please note that ALL STUDENTS MUST meet Lakeland [standards](#) to enroll in the course

This course explores entrepreneurial opportunities and investigates the various considerations and skills necessary in establishing a small business. Students will learn about the process for conceiving, launching, and developing a business in a competitive market. Topics pertaining to the small business include competitive strategies, ethics, legal issues, financing options, marketing, and the role of the business plan.

CAREER TECHNICAL EDUCATION [CTE]

C.R.E.W. - Creating Reliable Educated Workers

This Career Technical Education program is designed to help students improve academic competency, develop professional skills, and implement a career plan that will serve them on the path to graduation and beyond. The CREW Program utilizes a combination of in-class educational and on-site experiential learning opportunities to maximize student success. [SACA Industry 4.0 Credentials](#)

CBI Lab [Circuits]

CBI050 Grades 9-12 Full Year 1 credit

This course has been created to focus on trade and manufacturing skills related to electrical circuits (AC/DC), electrical relay controls, sensor logic, print reading/ schematics, hand tools, precision measuring and OSHA. By taking this course, you can earn a variety of industry recognized credentials, your OSHA-10 certification which will put you a step ahead of your peers when entering the workforce. . This course is designed so that you can work at your own pace depending on your interests, previous knowledge and individual skills set.

CBI Lab [Manufacturing I]

CBI051 Grades 10-12 Full Year 1 credit

Prerequisite: Circuits

This course has been created to focus on trade and manufacturing skills related to automation, Industry 4.0 technologies, programmable logic controllers (industrial computers used to control electro-mechanical processes), hydraulics, pneumatics,, becoming a Certified Production Technician, precision measuring and machine safety. By taking this course, you will have the chance to advance your skills, gain an in-depth knowledge of advanced manufacturing and have the opportunity to gain industry recognized credentials that will put you a step ahead of your peers when entering the workforce. This course is designed so that you can work at your own pace depending on your interests, previous knowledge and individual skills set.

CREW Foundations

CBI100 Grades 8-12 Full Year (1 to 4 credits) (Varies)

This course encourages you to think about your future plans. It is designed to assist you when researching your path towards employment, enrollment, enlistment, and/or entrepreneurship. You will take a close look at the world of work to identify potential career opportunities that match your aptitudes, personality and interests. Course content includes career research, identifying and developing a solid foundation of employability skills such as: safety, ethics, readiness, customer service, communication, teamwork, and problem-solving. Students will also participate in workforce field trips, business partnerships through groups and organization, and activities with local universities will also be included. **Certifications:** OSHA 10-Hour Safety, CPR and Stop The Bleed®

CREW Transitions

CBI200 Grades 11-12 Full Year (1 to 2 credits) (Varies)

Foundations class is a prerequisite for this course

This course is about making your plans after high school a reality. Whether you've set your sights on employment, enrollment, enlistment, or entrepreneurship, this course will lead you through the steps that you would take, the plans that you would need to make, and options to consider in making the transition after high school. Content includes understanding social and emotional skills, postsecondary and career preparation, financial literacy as well as information, media and technological literacy, health and wellness literacy, business readiness skills, ethics and legal practices, work safety, communication skills, customer service, economics, entrepreneurial concepts, problem solving and critical thinking. **Certifications:** OSHA 10-Hour Safety, CPR and Stop The Bleed®

CREW Work Based Learning

CBI300 Grades 9-12 Full Year (1 to 4 credits) (Varies)

Prerequisite: Foundations or taken concurrently with CREW Foundations

Work-based learning component can be fulfilled through:

- Self discovery through investigation or research of the different career clusters
- Paid co-operative work-based learning experiences
- Non-paid career exploration opportunities (examples: job shadowing, short-term field experiences, volunteering & community service, and/or service learning)
- Personal kits that help build models, investigate careers, explore skills that relate to a multitude of jobs
- **Certifications: OSHA 10-Hour Safety, CPR and Stop The Bleed®**

CREW Practical Work Experience

CBI350 **Grades 11-12** **Full Year** **(1 to 2 credits) (Varies)**

Prerequisite: Foundations

In order to participate in this course, students must have a form of transportation to work sites and they will be required to leave early from school.

Practical Work Experience can be fulfilled through:

- Independent participation in an established internship program
- Non-paid career exploration opportunities (examples: job shadowing, short-term field experiences, volunteering & community service).

This independent study course will enable you to gain exposure and experience in a career field of your choice through a combination of job shadowing, on-the-job study and individual work experience. Local opportunities (in both Geauga and Lake counties) might include insurance offices, UH Hospital system, schools, senior citizen facilities, landscaping, retail establishments, restaurants, and manufacturing facilities. Additionally, you will take part in a variety of career planning activities. You will work with a career mentorship coordinator to complete self-evaluations, identify potential careers, create an educational plan, research a career field, and attend career fairs. You will create a portfolio documenting your course experience. The portfolio will include items such as logs, reflective journals, photographs, video recordings, work samples, and other evidence of engagement. Students will have an opportunity at the end of the course for students to present their portfolios to local business and community leaders. **Certifications: OSHA 10-Hour Safety, CPR and Stop The Bleed®**

ENGLISH Department

Please note that all English courses may require summer reading. Students will be notified in the spring (or summer if newly enrolled) as to what the summer reading is, as well as any work related to it.

English Honors courses study the processes of language arts in depth. Created for students who comprehend and use various forms of communication with ease and insight, the course of study expects students to exhibit personal initiative and independence as well as creativity and insight. Students are admitted based on staff recommendations and past performance.

English 8

ENG008 **Grade 8** **Full Year**

Prerequisite: Teacher recommendation

This course is designed around high-quality literary and informational texts to develop the skills in reading, writing, speaking and listening that are the foundation for creative and purposeful expression in language. Students engage in a variety of writing experiences tied to what they are reading including: routine writing, analytical writing, and narrative writing. Students will learn to research and present their findings in a variety of informal and formal ways including oral presentations, argumentative or explanatory compositions, and/or multimedia products.

English I CP

ENG100 **Grade 9** **Full Year** **1 credit**

This course, a foundation for future English courses, studies the processes of language arts that include: listening, viewing, speaking, dramatizing, reading, and writing but are designed to challenge students. Becoming skillful in these processes is essential to academic, vocational, and personal success.

English I Honors

ENG102 **Grades 8** **Full Year** **1 credit**

Prerequisite: Teacher recommendation

This course offers a challenging and rigorous year long course of differentiated instruction appropriate to individual students. Activities are differentiated through depth, novelty, complexity, and acceleration. This course is literature based, exploring short stories, novels, myth, drama, and poetry to provide a basis for reading, writing, discussing, and listening. Writing assignments include a variety of essay formats- narrative, response to literature, analytical, argumentative, and research.

English II CP

ENG200 **Grade 10** **Full Year** **1 credit**

This course continues studying the processes of language arts, focusing on persuasive writing, speaking, and readings from traditional American literature. Becoming skillful in these processes is essential to academic, vocational, and personal success.

English II Honors

ENG202 **Grade 9** **Full Year** **1 credit**

Prerequisite: English I Honors or Teacher recommendation

This course studies the processes of language arts in depth. Created for students who comprehend and use various forms of communication with ease and insight, the course of study expects students to exhibit personal initiative and independence as well as creativity and critical thinking. Students are admitted based on staff recommendations and past performance.

English III Honors

ENG302 **Grade 10** **Full Year** **1 credit**

Prerequisite: English II Honors or Teacher recommendation

Created for students who comprehend and use various forms of communication with ease and insight, this course of study expects students to exhibit personal initiative and independence as well as creativity and critical thinking.

Students will study the *advanced* processes of language arts, speaking, and readings from American literature while enhancing the writing and analysis skills they will need to succeed in college and beyond. In addition to literary analysis, students' compositions will focus on persuasive writing tailored to a variety of audiences. Students are admitted based on staff recommendations and past performance.

Eleventh Grade Writing (Semester One) + Literature Choice (Semester Two) for Juniors = 1 credit (Choose ONE):

College & Academic Writing ENG306 0.50 credit + Literature ENG350 0.50 credit = 1 credit

The first half of this year-long course focuses on preparing students with the writing and analysis skills they will need to succeed in college and beyond. Students' compositions will focus on persuasive writing and will be tailored to a variety of audiences. Through various forums, students will also practice the communication skills of reading, writing, listening, and speaking.

The second half of this year-long course will trace the epic concept of the **universal** journey, or monomyth, from classic to modern texts. Anchor texts will be paired with poetry, short stories, and nonfiction selections for comparison and analysis through discussion and writing. Anchor texts may include **but are not limited to** *Unbroken (Young Adult Version)*, *Jane Eyre*, and *The Alchemist*.

College & Academic Writing ENG306 0.50 credit + Literature ENG354 0.50 credit = 1 credit

The first half of this year-long course focuses on preparing students with the writing and analysis skills they will need to succeed in college and beyond. Students' compositions will focus on persuasive writing and will be tailored to a variety of audiences. Through various forums, students will also practice the communication skills of reading, writing, listening, and speaking.

This second half of this year-long course focuses on exploring a wide variety of cultural interpretations of the "monster story" through nonfiction, poems, plays, and novels. Popular themes will include terror versus horror, supernatural influences, **the doppelganger**, and good versus evil. Anchor texts may include **but are not limited to** *Frankenstein*, *Dracula*, *Strange Case of Dr. Jekyll and Mr. Hyde*, and **"The Story of William Wilson."**

College & Academic Writing ENG306 0.50 credit + Literature ENG356 0.50 credit = 1 credit

The first half of this year-long course focuses on preparing students with the writing and analysis skills they will need to succeed in college and beyond. Students' compositions will focus on persuasive writing and will be tailored to a variety of audiences. Through various forums, students will also practice the communication skills of reading, writing, listening, and speaking.

In the second half of this year-long course, the teacher will guide students through reading and writing personal stories focusing on the American Dream and Chardon's core values. Research shows that writing is a powerful tool for self-knowledge, healing, and creative expression. Students will study the art and craft of memoir by reading full-length works, personal essays, short stories, and excerpts by many different authors. Anchor texts may include **but are not limited to** *Channel of Peace*, *A Raisin in the Sun*, *The Last Lecture*, *The Glass Castle*, and *This I Believe*.

AP Language and Composition

ENG304 Grade 11 Full Year 1 credit

Prerequisite: English III Honors or Teacher recommendation

An AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects, as well as the way genre conventions and the resources of language contribute to effectiveness in writing. *It is strongly suggested that students take the AP Exam in May.*

Twelfth Grade Writing (Semester One) + Literature Choice (Semester Two) for Seniors = 1 credit (Choose ONE):

Focus on College Writing ENG406 0.50 credit + Literature ENG451 0.50 credit = 1 credit

This first half of this year-long course focuses on preparing students with the writing and analysis skills they will need to succeed in college and beyond. Students' compositions will be tailored to personal, practical, and academic applications. Through various forums, students will also practice the communication skills of reading, writing, listening, and speaking.

Consider the following for the second half of this year-long course: What problems challenge our society, and how do we solve them-or do we? This class will study a selection of literature, non-fiction, and film to probe issues such as family conflicts, medical ethics, censorship, and American cultural issues such as race, gender, sexuality, and violence. Anchor texts may include *And the Mountains Echoed*, *My Sister's Keeper*, and book club selections.

Focus on College Writing ENG406 0.50 credit + Literature ENG452 0.50 credit = 1 credit

This first half of this year-long course focuses on preparing students with the writing and analysis skills they will need to succeed in college and beyond. Students' compositions will be tailored to personal, practical, and academic applications. Through various forums, students will also practice the communication skills of reading, writing, listening, and speaking.

This second half of this year-long course focuses on classic and contemporary literature with dystopian/apocalyptic themes. Anchor texts will be paired with film, short stories, poetry, and nonfiction selections for comparison and analysis through discussion and writing. Anchor texts may include *Station Eleven*, *1984*, and book club selections.

Focus on College Writing ENG406 0.50 credit + Literature ENG455 0.50 credit = 1 credit

This first half of this year-long course focuses on preparing students with the writing and analysis skills they will need to succeed in college and beyond. Students' compositions will be tailored to personal, practical, and academic applications. Through various forums, students will also practice the communication skills of reading, writing, listening, and speaking.

Satire is a literary genre that uses irony, humor, and other techniques to create social or political criticism. While the tradition of satire dates back for as long as things have been funny, modern pop culture is also filled with satirical references and influences.

The second half of this year-long course looks at both the classic origins of satire and the modern manifestations of satirical traditions. Starting with the influences of Classical comedy as interpreted by writers such as Shakespeare and Jane Austen, the course moves forward through time to investigate how these same comedic techniques inform the work of modern authors such as Kurt Vonnegut and Douglas Adams as well as how early texts and techniques are infused into modern film and television, from *Clueless* to *The Daily Show*. Anchor texts may include *A Midsummer Night's Dream* and *Cat's Cradle*.

AP Literature and Composition

ENG404 Grade 12 Full Year 1 credit

Prerequisite: AP Language and Composition or Teacher recommendation

As an AP course, this is a rigorous college-level course and is focused on composition and literary analysis of fiction. In the daily class discussions, students and teachers will address structure, style, diction, imagery, symbolism, metaphor, motif, tone, theme, syntax, and more. Students will learn how these make a work unique and will be reading from an intensive and extensive reading list. Students read drama, fiction, and poetry, and they will read literature from the past and literature of today. In discussions of literature, they will learn the social, cultural, and historical values a work reflects and embodies. College preparedness, including the admissions essay, will also be covered.

CCP English Composition I CCP

ENG475 Grades 8-12 Semester 1 credit

(CCP Course: Qualified students receive college credit from Lakeland)

Please note that ALL STUDENTS MUST meet Lakeland standards to enroll in the course

This course focuses on the writing process and on the composition of expository writing assignments, including personal, informational, and critical essays. Students will read and analyze expository and imaginative texts (fiction, nonfiction, poetry, or drama). (3 contact hours)

CCP English Composition II CCP

ENG476 Grades 8-12 Semester 1 credit

Prerequisite: ENGL 1110 or ENGL 1111

(CCP Course: Qualified students receive college credit from Lakeland)

Please note that ALL STUDENTS MUST meet Lakeland standards to enroll in the course

This course analyzes argumentative strategies, models, and texts. Students will focus on the research process: identifying sources through electronic and print-based research strategies, evaluating research materials, and integrating and synthesizing research material. The course culminates in the production of a fully documented argumentative paper. (3 contact hours)

ENGLISH ELECTIVE COURSES

(these electives do NOT count towards the four required ELA credits needed for graduation)

PODCAST

ENG050 **Grade 8-12** **Semester** **0.50 credit**

As our current and future leaders, students need to speak up with confidence that they will be heard. PODCAST provides the opportunity to develop and refine public speaking skills through research, preparation, and various types of deliveries. Emphasis will be placed on audience analysis, selection of topics, message organization, and presentation skills. Students will work both independently and in groups to create a variety of broadcasts and presentations on student and teacher-selected topics. Students will also listen to and analyze podcasts in order to create their own.

Creative Writing Workshop

ENG150 **Grades 8-12** **Semester** **0.50 credit**

Do you enjoy writing? Have you always wanted to write your own story? Find and develop your creative voice in this supportive workshop setting. Learn to use vivid detail, dialogue, and expressive language to write character-driven stories, dramatic scenes, and poetry. We will analyze short stories and poems to explore how writers and poets use different styles and techniques that you can apply in your own writing. You will be able to publish your work through various methods, such as contests, writing publications, etc.

Literature of the Fantastic

ENG151 **Grades 9-12** **Semester** **0.50 credit** **[offered in even years]**

This course is for the Harry Potter fan who recognizes the academic value of this popular series and is interested in other works that influenced the series and works that were influenced BY Harry Potter. Students will explore various themes that arise in the book and movie series such as friendship, betrayal, family, and courage to name a few. They will integrate their reading, writing, listening, and speaking skills as they explore all aspects of the Harry Potter series from themes to the social, cultural and historical aspects. To enrich their study, students will participate in a variety of individual and small group creative activities. Most work is done within the class period. Students taking this course should have a general knowledge of the Harry Potter series as we will not be reading the books in class.

Mythology

ENG152 **Grades 9-12** **Semester** **0.50 credit** **[offered in odd years]**

Students will read, watch, and discuss various classical (Greek, Roman, Norse, Egyptian, etc.) and modern myths using Joseph Campbell's Hero's Journey and archetypes. This will include students analyzing the way myths shaped culture and have common archetypes. Most work is done within the class period. Students will respond by reading, writing, listening and speaking as well as participating in individual and small group creative activities.

Popular Fiction

ENG153 **Grades 9-12** **Semester** **0.50 credit**

Students read examples of several types of popular fiction, including mystery, fantasy, thriller, and young adult. They also read theories about what makes certain types of literature popular and critical reviews of the texts and genres studied. By the end of this course, students are able to draw on their exposure to both popular literature and literary theory to explain the appeal of specific texts. Students will also have the opportunity to compare popular texts to their film adaptations.

Forensic Literary Crime Drama

ENG160 **Grades 10-12** **Semester** **0.50 credit**

0.5 credit ELA / 0.5 credit Science (Full Year)

This course is designed to study criminal investigations through the lens of scientific, literary, and theatrical studies. Students will be immersed in a multidisciplinary experience devoted to developing a well-rounded understanding of human behavior, while promoting a hands-on approach examining crime-based concepts. Students will explore criminal historical contexts and the nature of good vs. evil within a literary experience. Major topics will include processing a crime scene, collecting and preserving evidence, identifying types of evidence, hair, fibers, blood, DNA, and fingerprints. Students will transfer their knowledge by creating and re-enacting realistic crime scenarios and investigations. Students will use their analytical and imaginative skills to develop a forensic crime drama of their own.

Debate/Persuasion

ENG500 **Grades 9-12** **Semester** **0.50 credit**

This course deals specifically with research, analysis, and persuasion, providing students with the basic knowledge and skills necessary to write and participate in structured debates, group discussions, and persuasive speeches. Through various classroom activities and focused class time to prepare, students will present and prove the validity of their researched arguments. Most work is done within the class period.

Theater Arts I

ENG600 **Grades 10-12** **Semester** **0.50 credit**

Do you enjoy being up and moving around? Do you enjoy getting to know the other members of your classes? Do you need a fine arts credit? Theater Arts I focuses on basic foundations and techniques in acting, improvisation, character analysis, and movement. Taking this class will help you to make decisions with conviction, loosen up and laugh at yourself, collaborate and create relationships with students outside of your circle, and shift your perspective in a way that will promote empathy with others. AND, it's a ton of fun!

Theater Arts II

ENG650 **Grades 10-12** **Semester** **0.50 credit**

Prerequisite: Theater Arts I

Be sure to save room in your schedule for the second half of Theater Arts. This will allow you to fill out the year and to use the two courses to fulfill a fine arts credit. Students will now delve more into acting, fine-tuning vocal and movement skills as well as elements of working together with scene partners. Confidence and creativity will build as students will create an end of year show to be performed for English classes. Former students report this is one of the most memorable classes and projects of their high school career. Don't miss out!

Writing for Publications I

ENG700 **Grades 9-12** **Full Year** **1 credit**

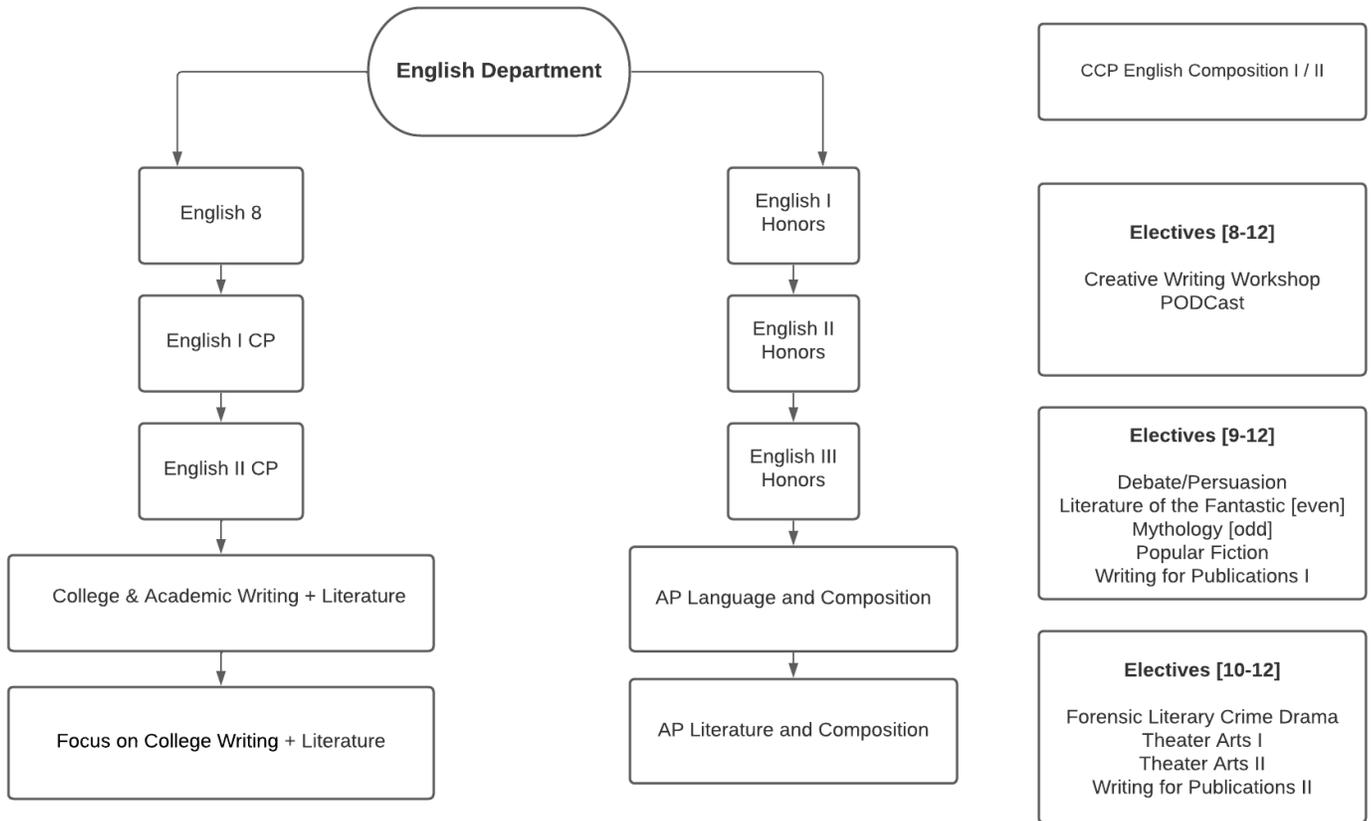
This course will begin with an introduction to the principles of journalism and will progress to the publication of the student newspaper. Instruction will include gathering information for articles, journalistic style, headlines, page design and layout, photography. Students will be expected to meet deadlines and operate in a cooperative setting. Students taking this course should enjoy reading and writing.

Writing for Publications II

ENG701 **Grades 10-12** **Full Year** **1 credit**

Prerequisite: Writing for Publications I

The purpose of Writing for Publications II (a year-long, one credit course) is to provide students who have already completed Writing for Publications I with a more advanced study of journalism, including, but not limited to the following: the First Amendment, ethics, libel, student press law, news writing, editorial writing, feature writing, entertainment writing, sports writing, photography, newspaper page layout and design, revision, publication, sales and distribution. Students taking this course should enjoy reading and writing.



HEALTH & PHYSICAL EDUCATION Department

The mission statement of the Chardon High School Health and Physical Education program is to promote, through a variety of planned activities, each student's optimum physical, mental, emotional and social development, and provide activities and sports that all students enjoy and can pursue throughout their lives. And, through quality instruction, students are guided toward a longer life through healthy living.

Credentialing that can be earned in Health and Physical Education:

- CPR First Aid
- OHSAA Officials Certification

Health

HPE100 **Grades 8-12** **Semester** **0.50 credit**

Concurrently with Intro to Physical Education

This one semester required course focuses on the capacity of an individual to obtain, interpret, and understand basic health information and services. It is also aimed at developing skills to use information and services, which are health enhancing. Units covered during the semester include Balancing Human Wellness, Mental and Emotional Health, Nutrition, Personal Care and Body Systems, Tobacco, Alcohol, and other Drugs, Human Relationships, and Communicable and Non-Communicable Diseases.

This course is required for graduation.

Intro to Physical Education

HPE150 **Grades 8-12** **Semester** **0.25 credit**

Concurrently with Health

In this one semester course students will learn the benefits of daily physical activity and the relationship of fitness to overall health. Through a variety of fitness activities and games (basketball, corn hole, flag football, floor hockey, pickleball, softball, team handball, volleyball, intro to weight room, and much more) designed to improve strength, flexibility, coordination/agility, and endurance, the students will learn to:

- 1) assess your current fitness levels
- 2) compare your fitness levels to national standards
- 3) develop and enact a plan to improve your fitness levels

This course is required for graduation.

Team Sports

HPE300 **Grades 8-12** **Semester** **0.25 credit**

This semester class is designed for students interested in learning skills and strategies of team sports. Through participation in several sports, students will gain the knowledge necessary to become an educated participant and spectator. The involvement in specific sports will provide an atmosphere that is enjoyable to the participants, promotes cooperation among peers and develops an appreciation for the degree of fitness necessary to participate. This course will include daily skill instruction and implementation of those skills into a competitive game setting. Sports may include, but are not limited to: basketball, flag football, soccer, ultimate frisbee, softball/wiffle ball, floor hockey and volleyball. This course will also include daily cardiovascular fitness.

Leisure Sports

HPE301 **Grades 9-12** **Semester** **0.25 credit**

This semester class provides students a non competitive opportunity to incorporate activity and life-long leisure experiences into their lifestyle through game play and practice. Activities include but are not limited to cornhole (bags), can jam, spike ball, bocce ball, horse shoes, shuffleboard, mini golf, bowling, frisbee golf, badminton, and pickleball. Skills and common concepts of each lifelong activity will be presented and developed through practice and match play. Students of all skill and experience levels are encouraged to enroll in this course.

Stress Management & Wellness

HPE302 Grades 9-12 Semester 0.25 credit

This semester course, designed for all fitness levels, combines stress management and relaxation techniques to improve the wellness in a student's daily life. These activities will serve to improve mental and physical fitness levels and promote a desire to be physically active for life. Students will be evaluated on daily participation, work and maintaining a journal.

Fitness & Weight Training I

HPE350 Grades 8-12 Semester 0.25 credit

In this semester course, students of all fitness levels will use training, conditioning and nutritional techniques to improve strength, coordination, power, flexibility and speed. These techniques include weight training, plyometrics, and stretching through resistance band training, cardio-walking/jogging, T25, TapOutXT, and much more. These activities will serve to improve fitness levels and promote a desire to be physically active for life. Measurements of cardiovascular endurance, muscle strength and endurance, flexibility, and agility will be used to assess fitness and plan for improvement. The course is organized around the "Bigger, Faster, Stronger" developmental program for physical and sports-related fitness. Students will be evaluated on daily participation, work and maintaining a fitness journal.

Fitness & Weight Training II

HPE351 Grades 8-12 Semester 0.25 credit

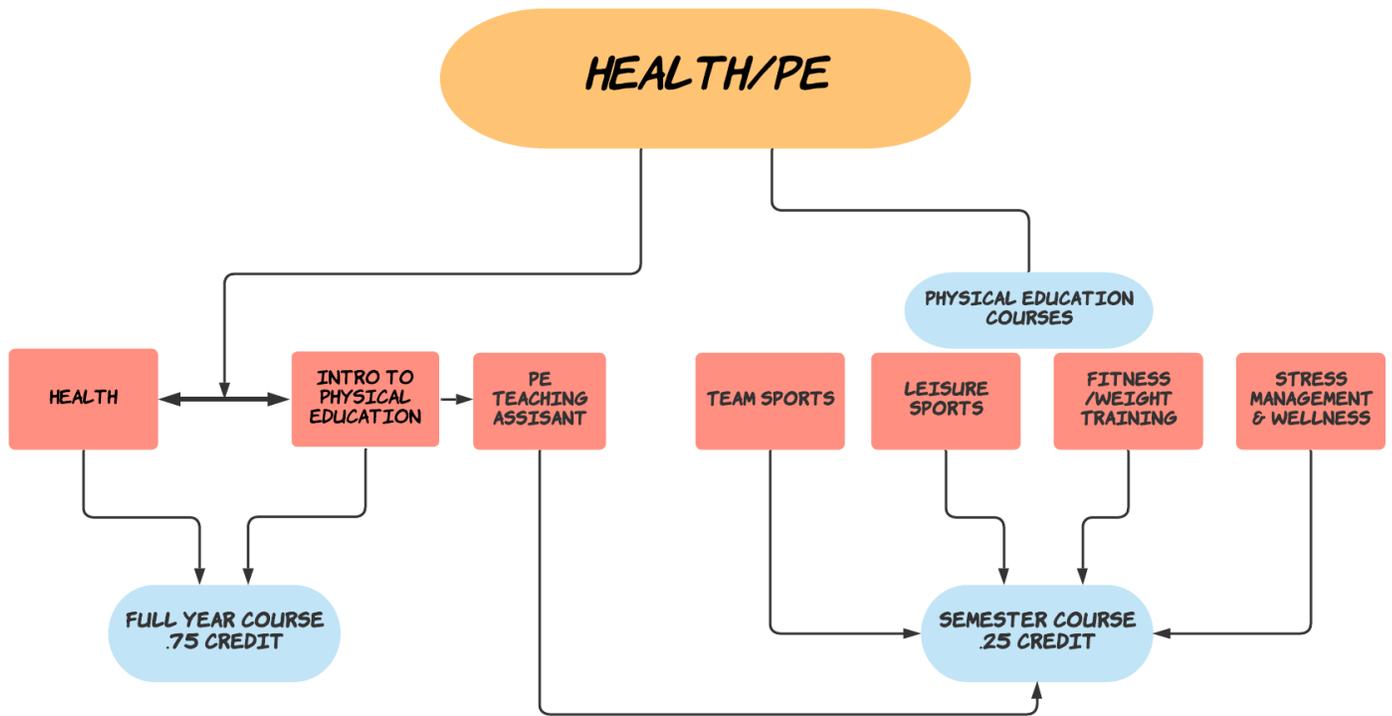
In this semester course, students of all fitness levels will use training, conditioning and nutritional techniques to improve strength, coordination, power, flexibility and speed. These techniques include weight training, plyometrics, and stretching through resistance band training, cardio-walking/jogging, T25, TapOutXT, and much more. These activities will serve to improve fitness levels and promote a desire to be physically active for life. Measurements of cardiovascular endurance, muscle strength and endurance, flexibility, and agility will be used to assess fitness and plan for improvement. The course is organized around the "Bigger, Faster, Stronger" developmental program for physical and sports-related fitness. Students will be evaluated on daily participation, work and maintaining a fitness journal.

Physical Education Assistant

HPE400 Grades 9-12 Semester 0.25 credit

Prerequisite: *Intro to Physical Education* and Teacher recommendation

Prospective Physical Education assistants must demonstrate skill, proficiency and the ability to serve in a leadership role for other students. Responsibilities include equipment management, organizational duties, supervision and assistant instructional role. Guidelines and permission forms are available from instructors. **This class does not meet the physical education requirement for graduation.**



MATHEMATICS Department

Students in the Chardon High School math department will work individually and collaboratively to obtain the skills necessary to be successful beyond the classroom. By reasoning abstractly and quantitatively, students will recognize repeated reasoning and structure to create (and defend) viable arguments in order to model mathematics.

Math 8

MTH008

Grade 8

Full Year

This course continues to build the foundation necessary for success in the study of algebra. It will address the eighth grade Ohio Learning Standards. It will focus on the number system including rational and irrational numbers and radicals; expressions and equations including multi-step equations and laws of exponents; graphing linear equations and slope including solving simple systems of linear equations; geometric concepts including Pythagorean Theorem and transformations; and an introduction to bivariate statistics including creating and interpreting scatterplots.

Algebra I

MTH100

Grades 9-10

Full Year

1 credit

Prerequisite: Math 8 or Teacher recommendation

Algebra aims to deepen and extend student understanding built in previous courses by focusing on developing fluency with solving linear equations and inequalities and systems; extending these skills to solving quadratic and exponential functions; exploring functions, including sequences, graphically, numerically, symbolically and verbally; and using regression techniques to analyze the fit of models to distributions of data.

Algebra I Honors

MTH101

Grades 8-9

Full Year

1 credit

Prerequisite: Honors Pre Algebra or Teacher recommendation

The pace of this course will allow for in-depth study of topics as it aims to deepen and extend student understanding built in previous courses. The course focuses on developing fluency with solving equations, inequalities and systems; extending these skills to solving quadratic and exponential functions; exploring and modeling functions, graphically, numerically, symbolically and verbally; and using regression techniques to analyze the fit of models to distributions of data. The course will require students to comprehend abstract mathematical topics and engage in abstract reasoning.

Geometry

MTH200

Grades 10-11

Full Year

1 credit

Geometry aims to formalize and extend the geometry that students have learned in previous courses. It does this by focusing on establishing triangle congruence criteria using rigid motions and formal constructions, building a formal understanding of similarity based on dilations and proportional reasoning, developing the concepts of formal proof, exploring the properties of two and three-dimensional objects, working within the rectangular coordinate system to verify geometric relationships, proving basic theorems about circles, and using the language of set theory to compute and interpret probabilities for compound events.

Geometry Honors

MTH201

Grades 8-10

Full Year

1 credit

Prerequisite: Algebra I Honors or Teacher recommendation

The pace of this course will allow for in-depth study that formalizes and extends the geometry that students have learned in previous courses. It does this by focusing on establishing triangle congruence criteria using rigid motions and formal constructions, building a formal understanding of similarity based on dilations and proportional reasoning, study of right triangles utilizing the Pythagorean Theorem and trigonometric ratios, developing the concepts of formal proof, exploring the properties of two and three-dimensional objects, working within the rectangular coordinate system to verify geometric relationships, proving basic theorems about circles, and using the

language of set theory to compute and interpret probabilities for compound events. The course will require students to comprehend abstract mathematical topics and engage in abstract reasoning.

Advanced Quantitative Reasoning

[Off Year]

MTH299 **Grades 11-12** **Full Year** **1 credit**

Prerequisite: Algebra I

Quantitative Reasoning is the application of basic mathematics skills, such as algebra, to the analysis and interpretation of quantitative information (numbers and units) in real-world contexts to make decisions relevant to daily life. Critical thinking is its primary objective and outcome. It emphasizes interpretation, representation, calculation, analysis/synthesis, assumptions and communication. A high school quantitative reasoning course is intended to spark student interest in mathematics by demonstrating connections to the real-world with the purpose of preparing students for a post-high-school learning experience including two-year or four-year college programs, adult career-technical education programs, an apprenticeship and/or the military.

Algebra II

MTH300 **Grades 11-12** **Full Year** **1 credit**

Prerequisite: Algebra I & Geometry

Algebra II aims to apply and extend what students have learned in previous courses by focusing on finding connections between multiple representations of functions, transformations of different function families, finding zeros of polynomials and connecting them to graphs and equations of polynomials, modeling periodic phenomena with trigonometry, and understanding the role of randomness and the normal distribution in making statistical conclusions.

Algebra II Honors

MTH301 **Grades 9-11** **Full Year** **1 credit**

Prerequisite: Geometry Honors or Teacher recommendation

The pace of this course will allow for in-depth study as students apply and extend what students have learned in previous courses by focusing on finding connections between multiple representations of functions, transformations of different function families, finding zeros of polynomials and connecting them to graphs and equations of polynomials, modeling periodic phenomena with trigonometry, and understanding the role of randomness and the normal distribution in making statistical conclusions. The course will require students to comprehend abstract mathematical topics and engage in abstract reasoning.

Probability and Statistics

MTH350 **Grades 11-12** **Full Year** **1 credit**

This course features topics, techniques, and activities that involve students with real data. Topics include descriptions of statistics, samples and surveys, organizing data, measures of central tendency, measures of variation, standard deviation, box and whisker plots, correlation of data, scatter plots, and linear regression. Topics will also include probability theory, rules and compound events, trees and counting techniques, random variables and probability distribution, binomial probabilities and additional properties of binomial distributions, normal curves and sampling distributions, graphs, areas under the standard normal distribution, areas under any normal curve, sampling distributions, the Central Limit theorem, normal approximation to binomial distributions.

Discrete Mathematics

MTH392 **Grades 12** **Full Year** **1 credit**

This course is designed to show how mathematics works directly and indirectly in our lives. Many of the problems, activities and discussions demonstrate how math relates to subjects like art, architecture, law, sports, sociology, psychology, business, economics, medicine, logistics and technology. The course allows students to explore historical as well as contemporary mathematical thinking, helping them see math at work in the world by presenting math through purposeful and meaningful contexts. Students will build college and career readiness skills such as problem solving, critical thinking, collaborating, conducting research, and making presentations. Students learn to represent relationships using equations, tables and graphs, and connect these representations to reach conclusions and make predictions. They apply mathematical representations to practical situations such as

the Golden Ratio, time value of money, personal finance decisions, population trends, tracking flu epidemics, and other areas of business, economics, and technology.

CCP College Algebra

MTH398 Grades 11-12 Semester 1 credit

Prerequisite: Algebra II

(CCP Course: Qualified students receive college credit from Lakeland)

Please note that ALL STUDENTS MUST meet Lakeland [standards](#) to enroll in the course

This semester course investigates relations and functions numerically, analytically, and graphically. Topics include solutions of polynomial and rational equations and inequalities; exponential and logarithmic equations; systems of linear and nonlinear equations; conic sections; sequences and series; and mathematical modeling. Students will need to supply a graphing utility; the instructor will provide details. This course alone is not sufficient enough to fulfill prerequisites for AP Calculus.

CCP Trigonometry

MTH399 Grades 11-12 Semester 1 credit

Prerequisite: CCP College Algebra

(CCP Course: Qualified students receive college credit from Lakeland)

Please note that ALL STUDENTS MUST meet Lakeland [standards](#) to enroll in the course

This course includes the study of trigonometric functions and inverse trigonometric functions and their graphs; solutions of right and oblique triangles and their applications; solutions of trigonometric equations; the use of identities, vectors, and complex numbers; and graphs of polar and parametric equations. Students will need to supply a graphing utility; the instructor will provide details.

Pre-Calculus

MTH400 Grades 11-12 Full Year 1 credit

Prerequisite: Algebra II

In addition to covering all of the key concepts found in traditional trigonometry, pre-calculus, or math analysis courses, it emphasizes several big ideas that form a foundation for calculus and other college mathematics curricula. The key ideas presented include: transformations of functions, periodic functions and their graphs, area under a curve as a foundation for integration, inverses, exponentials, and logarithmic equations and applications, limits to infinity and at a point, properties of functions including continuity, increasing vs. decreasing, and concavity, average rates of change and instantaneous rates of change as a foundation for derivatives, and other graphical systems including polar and parametric, applications of vectors and trigonometric functions, algebraic fluency and simplification techniques, modeling using a variety of functions.

AP Pre-Calculus

MTH404 Grades 10-12 Full Year 1 credit

Prerequisite: Algebra II Honors or Teacher recommendation

This college-level course will prepare students for calculus and will give students the opportunity to earn college credit for an introductory college math course. It will also prepare students to succeed in both STEM and non-STEM majors. Topics covered in this course will include transformations of a variety of functions, properties of functions, periodic functions and their graphs, inverses, exponential and logarithmic equations with applications, limits, average rates of change and instantaneous rates of change as a foundation for derivatives, other graphical systems including polar and parametric, applications of vectors and trigonometric functions, algebraic fluency and simplification techniques, and modeling using a variety of functions. This course will also help students develop an exceptionally strong foundation for calculus, the launchpad for most STEM majors. The course will build skills that allow students to comprehend abstract mathematical topics and engage in abstract reasoning. **It is strongly recommended that students take the Advanced Placement Exam in May.**

AP Calculus AB

MTH504 Grades 11-12 Full Year 1 credit

Prerequisite: Pre-Calculus

AP Calculus AB is roughly equivalent to a first semester college calculus course covering topics in differential and integral calculus. This AP course covers topics in these areas, including concepts and skills of limits and continuity, rates of change and instantaneous rate of change, the definition of a derivative, Riemann sums, differentiation including velocity, acceleration, analyzing a curve, optimization, related rates, the Mean Value Theorem, integration including area under a curve, between curves, volumes of revolutions and known cross-sections, integration using substitution, differential equations, slope fields, l'Hopital's Rule, and the Fundamental Theorem of Calculus. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. ***It is strongly recommended that students take the Advanced Placement Exam in May.***

AP Calculus BC

MTH604 Grades 11-12 Full Year 1 credit

Prerequisite: Pre-Calculus Honors

Calculus BC is an extension of Calculus AB where common topics require a similar and more advanced depth of understanding. In addition, students study Newton's method, improper integrals, as well as integrating with partial fractions and integrating by parts, arc length, convergence and divergence of infinite series, differentiation and integration of polar functions, as well as parametric functions and vector functions, logistic curves, Taylor and Maclaurin polynomials, as well as the error. ***It is strongly recommended that students take the Advanced Placement Exam in May.***

AP Statistics

MTH704 Grades 10-12 Full Year 1 credit

Prerequisite: Algebra II

This college-level course is intended to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: Exploring Data: describing patterns and departures from patterns; Sampling and Experimentation: planning and conducting a study; Anticipating Patterns: exploring random phenomena using probability and simulation; Statistical Inference: estimating population parameters and testing hypotheses.

Note: Because AP Statistics is not a "typical" math course, interested students should not be discouraged from doubling-up with another math course (i.e. Pre-Calculus). ***It is strongly recommended that students take the Advanced Placement Exam in May.***

MULTIVARIABLE CALCULUS (Calculus III)

MTH803 Grades 12 Full Year 1 credit

Prerequisite: AP Calculus BC or Teacher recommendation

This course is a continuation of Calculus BC. Many phenomena studied in science and engineering are described by functions of several variables and by vector valued functions. This course is an introduction to the calculus of such functions. Topics include vectors and the geometry of space, vector-valued functions, multiple integration and vector analysis.

MATHEMATICS ELECTIVE COURSES

The Cost of Living on Your Own

MTH050 Grades 10-12 Semester 0.50 credit

This course is a simulation of life in the real world. Through a simulation experience, you will learn about the reality of living on your own. You will find a job, analyze your pay stub, establish a budget, open a checking account, select housing, secure transportation, pay bills, figure taxes, and deal with crisis situations. Subject matter includes career development, housing, clothing, and food. Emphasis is placed on setting and reaching goals, managing personal finances, relating to others, solving problems, and teamwork.

MUSIC Department

The Chardon High School Music Department aims to provide a variety of experiences in the areas of vocal and instrumental music as well as the history of rock and roll. Students will have the opportunity to thrive and grow in their desired area of interest. The course offerings allow students to participate without previous musical experience.

Band 8

MUS008 **Grade 8** **Full Year**

This class includes a study of instrumental performance skills for students in their fourth year of playing. This class will focus on learning the elements of music through performance. Performances outside of the school day are required for this class. Students will play their instrument in class every day and continue to build their performance skills. Students will participate in four (4) required evening concerts per year (typically one per quarter). Students must have participated in 5th, 6th, and 7th grade band or have taken private lessons to the point of being able to play level 2.5-3 band music. This course is taught with the expectation that students have had three (3) years of playing experience and are making a full year commitment to the course.

ATTENDANCE AT ALL PERFORMANCES IS REQUIRED.

Choir 8

MUS009 **Grade 8** **Full Year**

All CMS students have the opportunity to participate in choir. During choir we work to improve individual singing skills and to develop musical literacy through musical performance. We work as a team to put forth exciting and interesting programs. No prior musical experience is required for this course. An interest in learning about music and being a part of the team is a must. Students are expected to actively participate in classroom activities as they work to improve their individual abilities. Students are required to participate in up to one concert per academic quarter, outside of the school day.

Symphonic Band

MUS110 **Grades 9-12** **Full Year** **1 credit**

This band is designed for students who can perform intermediate levels of band music. Members of this class will have a chance to perform various styles of band literature ranging from overtures, contemporary, lyrical, marches, and popular. An audition is not required but students should have participated in 8th grade band or have had the equivalent of 4 years of previous instrumental experience. Students in this ensemble are expected/encouraged to participate in marching band. Students who do not perform in marching band will be given other assignments.

ATTENDANCE AT ALL PERFORMANCES IS REQUIRED.

Wind Ensemble

MUS120 **Grades 10-12** **Full Year** **1 credit**

This band is designed for the high achieving student who can perform advanced/collegiate levels of band music. An audition is required. Members of Wind Ensemble will have a chance to perform various styles of band literature ranging from overtures, contemporary, lyrical, marches, and popular. Students should have participated in Symphonic Band or have had the equivalent of 5 years of previous instrumental experience. Students in this ensemble are expected/encouraged to participate in marching band. Students who do not perform in marching band will be given other assignments. **ATTENDANCE AT ALL PERFORMANCES IS REQUIRED.**

Treble Choir

MUS210 **Grades 9-12** **Full Year** **1 credit**

This organization is open to female students in all grade levels who wish to sing but have not developed the necessary skills to sing in one of the advanced groups. Music is selected from all styles, classical to pop, and performed at several concerts throughout the year. A strong emphasis is placed on developing the techniques of good choral singing, sight-singing, and musicianship. This choir participates in Solo and Ensemble Contest, and

OMEA District and State Competitions in addition to several concerts throughout the year. **ATTENDANCE AT ALL PERFORMANCES IS REQUIRED.**

Chorale

MUS211 **Grades 9-12** **Full Year** **1 credit**

Prerequisite: Females Participants are Auditioned, Open Enrollment for All Male Singers

This course is an upper level choir; and is designed to refine choral singing ability, sight-singing skills and musicianship. Music studied includes sacred and secular classics, folk songs, spirituals, swing, Broadway and other styles reflective of various world cultures. This choir participates in Solo and Ensemble Contest, and OMEA District and State Competitions in addition to several concerts throughout the year. **ATTENDANCE AT ALL PERFORMANCES IS REQUIRED.**

History of Rock and Roll

MUS320 **Grades 10-12** **Full Year** **1 credit**

The History of Rock and Roll course will introduce the student to the evolution of American popular music from its early blues roots to the music from 1950 to the 1990's. Students will study the social, political, technological, and economic forces that shaped the music as well as all major genres of rock music. The materials and facts presented in this class, in addition to being historical, are graphic and direct. The course includes detailed listening assignments and an introduction to musical vocabulary and concepts.

NON DEPARTMENT COURSES

Yearbook

ETC100 **Grades 9-12** **Full Year** **1 credit**

The staff of students in this course publish the school yearbook “The Hilltopper.” Throughout this rigorous course, students will work to develop skills in five major areas of publication including layout and design, journalism, photography, marketing (advertising sales), and collaboration. Strong writing ability is necessary. Students must possess self motivation and discipline in order to meet long term deadlines and work in a collaborative classroom setting. Enrollment is limited and staff members are required to spend time after school hours to cover events and sell advertisements. A digital camera is not required.

Teen Leadership

ETC300 **Grades 9-12** **Full Year** **1 credit** **[Off Year]**

Teen Leadership Corp is designed to engage students in a meaningful set of community service activities: planning, community, education, budgeting, volunteer recruitment and management, public relations and fundraising. In this class, teams of students will design and implement a coordinated series of projects related to Teen Leadership Corps’ prime mission of intergenerational service to the school and the community. This course serves a twofold purpose:

1. Addressing school and community based issues and needs.
2. Developing leadership, problem-solving and positive character skills for lifelong service and citizenship.

Senior Mentoring

FMP100 **Grades 12** **Full Year** **0.50 credit**

An application and committee recommendation are required

At the heart of the Freshman Mentoring Program (FMP) are the Senior Mentors. Seniors apply the previous spring to become one of 66 classroom mentors whose responsibilities incorporate taking daily attendance, planning daily classroom activities, tutoring students with academic needs, facilitating small group discussions, leading mini lessons and communicating with the FMP Coordinators.

Academic Decathlon

HUM100 **Grades 9-12** **Full Year** **1 credit**

Academic Decathlon is a premier academic competition. Chardon High School offers Academic Decathlon as a humanities course designed to prepare students for this competition. Teams compete at the regional, state, and national level. Each team must consist of three “A” students, three “B” students, and three “C” students, thus providing a classroom with a diverse mixture of students. The curriculum, which follows a different theme each year (for example European Imperialism), covers a depth of knowledge in each of the following categories – art, music, math, literature, economics, science, and social sciences. In addition the students will work on writing skills, public speaking, and interviewing abilities.

SCIENCE Department

The science department curriculum provides an exciting comprehensive study into the sciences. Topics including Biology, Chemistry and Physics are presented at each grade level while incorporating various levels of interest. Real world skills including cooperation, collaboration, communication and data analysis are addressed in varying capacities. Opportunities for college credit through the advanced placement program are provided.

Science 8

SCI008 **Grade 8** **Full Year**

Prerequisite: **Teacher recommendation**

Science 8 focuses on the theme of Order and Organization with an emphasis on scientific inquiry and application, 21st century skills, technology, engineering and design. This theme helps students to become scientifically literate to discover patterns, trends, structures and relationships that may be described by simple principles. These principles are related to the properties or interactions within and between systems. Within this grade level, students will study in Earth and Space Science the topic Physical Earth, in Physical Science the topic Forces and Motion and in Life Science the topic Species and Reproduction.

Physical Science Honors

SCI102 **Grade 8** **Full Year** **1 credit**

Prerequisite: **Teacher recommendation, Algebra I Honors or concurrently enrolled in Algebra I Honors**

Physical Science Honors will be an accelerated class. It will focus on the theme of Order and Organization with an emphasis on scientific inquiry and application, 21st century skills, technology, engineering and design. This theme helps students to become scientifically literate to discover patterns, trends, structures and relationships that may be described by simple principles. These principles are related to the properties or interactions within and between systems. Within this grade level, students will study in Earth and Space Science the topic Physical Earth, in Physical Science the topic Forces and Motion, in chemistry the topics will include phases of matter, the Periodic Table, chemical bonding, chemical reactions and acids and bases, and Life Science the topic Species and Reproduction. Skills necessary for the collection and interpretation of data will also be stressed in **Physical Science Honors**.

Robotics

SCI050 **Grades 8-9** **Semester** **0.50 credit**

This course is designed to strengthen student understanding of STEM concepts and education with a focus on robotics. Students will gain knowledge through a series of interactive videos and online projects. They will also work hands-on building and programming LEGO robots to accomplish a number of tasks using various types of sensors and motors. By the end of the course students will have an understanding of the historical development of robots and how they are used in society today to accomplish a wide range of tasks. They will also explore the potential effects they may have in shaping the workforce in the future. They will also learn about the mechanics of robots including motors, sensors, basic programming, and electrical circuits.

STEM

SCI051 **Grade 8-9** **Semester** **0.50 credit**

STEM deepens and puts into practice the engineering design process and the scientific method using hands-on projects and real world experiences. Students are challenged to use project based learning STEM concepts to complete various challenges throughout the year. Students are expected to work collaboratively and build presentation skills throughout the course, preparing them to pursue careers in STEM.

Astronomy

SCI093 **Grades 9-12** **Semester** **0.50 credit**

Concepts will be explored in a laboratory setting and through class activities and demonstrations. Topics to be covered include viewing the night sky, understanding the properties of light and usage of telescopes, the evolution

of stars, astronomical measurement, the history of astronomy. This course is for students interested in the “why” of astronomy who would like some hands-on experiences and a better understanding of the universe around us.

Forensic Science

SCI095 **Grades 9-12** **Semester** **0.50 credit**

Prerequisite: **Biology or concurrently enrolled in Biology**

Forensic Science is a semester long, elective class. It is an inquiry-based course rich in exploration and lab investigations that cover many disciplines of scientific study such as biology/anatomy, chemistry, and physics for the purpose of solving crimes. Topics covered include, but are not limited to, observation skills, crime scene investigation, hair and fibers, fingerprints, DNA fingerprinting and blood. Case studies and/or current events will also be explored as well as student-centered learning activities.

Forensic Literary Crime Drama

SCI160/ENG160 **Grades 10-12** **Full Year** **1 credit**

0.5 credit Science / 0.5 credit ELA (Full Year)

This course is designed to study criminal investigations through the lens of scientific, literary, and theatrical studies. Students will be immersed in a multidisciplinary experience devoted to developing a well-rounded understanding of human behavior, while promoting a hands-on approach examining crime-based concepts. Students will explore criminal historical contexts and the nature of good vs. evil within a literary experience. Major topics will include processing a crime scene, collecting and preserving evidence, identifying types of evidence, hair, fibers, blood, DNA, and fingerprints. Students will transfer their knowledge by creating and re-enacting realistic crime scenarios and investigations. Students will use their analytical and imaginative skills to develop a forensic crime drama of their own.

Biology

SCI200 **Grades 9-10** **Full Year** **1 credit**

Prerequisite: **Science 8 and Teacher recommendation**

Biology is a high school level course, which satisfies the Ohio Core science graduation requirements of Ohio Revised Code Section 3313.603. This section of Ohio law requires three units of science. Each course should include inquiry-based laboratory experience that engages students in asking valid scientific questions and gathering and analyzing information. This course investigates the composition, diversity, complexity and interconnectedness of life on Earth. Fundamental concepts of heredity and evolution provide a framework through inquiry-based instruction to explore the living world, the physical environment and the interactions within and between them. Students engage in investigations to understand and explain the behavior of living things in a variety of scenarios that incorporate scientific reasoning, analysis, communication skills and real-world applications.

Biology Honors

SCI202 **Grades 9-10** **Full Year** **1 credit**

Prerequisite: **Physical Science Honors or Teacher recommendation**

Honors Biology is a first year high school course, which is a prerequisite for Advanced Placement (AP) Biology. The Honors Biology curriculum is designed to continue student investigations and deepen student understanding of the biological sciences. This will include concepts introduced in previous courses at a higher level. In-depth study of the following concepts is included: the cell, the molecular basis of heredity, biological evolution, the interdependence of organisms, matter, energy and organization in living systems, and the adaptive responses of organisms. Honors Biology is designed to give students a more challenging and in-depth experience of the Ohio Learning Standards and Model Curriculum in Biology. This means students are expected to work more independently on a variety of assignments and accept greater responsibility for their learning.

AP Biology

SCI204 **Grades 11-12** **Full Year** **1 credit**

Prerequisite: **Chemistry and Biology Honors; or Teacher recommendation**

AP Biology is a year-long course that is designed to prepare students for the Advanced Placement Exam in Biology. The course is designed around the new AP Biology curriculum framework that focuses on the Big Ideas in biology

and their connections. The curriculum provides a basis for students to develop strong conceptual understanding in biology and the opportunity to integrate that knowledge through inquiry-based activities and laboratory investigations. There is less memorization and more content depth. Reading skills are very important for the format of the new test. The AP biology curriculum is structured around four Big Ideas: Evolution, Energy Processes, Information, and Interactions. These ideas encompass the core principles and the theories of all living systems. To master the concepts, students will learn through modes of: Tests, quizzes, labs, activities, video lectures, current event articles, and scientific journals. **It is strongly recommended that students take the Advanced Placement Exam in May.**

AP Environmental Science

SCI294 **Grades 11-12** **Full Year** **1 credit**

Prerequisite: Chemistry and Biology; or Teacher recommendation

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

Environmental Science

SCI299 **Grades 9-10** **Full Year** **1 credit**

Prerequisite: Science 8 or Teacher recommendation

Environmental Science incorporates the sciences biology, chemistry, physics, physical geology and introduces students to key concepts, principals and theories. Investigations are used in this course to explain and understand the behavior of nature in a variety of inquiry and design scenarios that incorporate scientific reasoning, analysis, communication skills and real-world applications. This is a high school level course which satisfies the Ohio Learning Standards and Model Curriculum specific to the science graduation requirements. It includes inquiry-based experiences that engage students in asking valid scientific questions to gather and analyze information.

Chemistry

SCI300 **Grades 10-11** **Full Year** **1 credit**

Prerequisite: Biology

Fundamental concepts and principles common to the various branches of chemistry. This includes descriptive chemistry, which deals in a systematic way with the more important elements and the structures, properties, and reactions of their compounds. The topics covered are the following: introduction to common laboratory equipment and procedures, laboratory safety, history of chemistry, measurements, physical and chemical properties, classification of matter, energy and temperature, atomic structure, periodic law, chemical bonding, formula writing, equation balancing, chemical calculations, gas laws, kinetic molecular theory, molecular composition of gasses, state of matter, solutions and related properties, acids, bases, and salts, kinetics, heat of reaction, equilibrium, oxidation - reduction, and electrochemistry. Laboratory work emphasizes learning basic techniques, learning to manipulate and interpret numerical data, and learning the relationship between experimental measurement and chemical theory.

Chemistry Honors

SCI302 **Grades 10-11** **Full Year** **1 credit**

Prerequisite: Biology Honors or Teacher recommendation

Topics covered are: Introduction to common laboratory equipment, safety equipment and procedures, measurements, kinetic molecular theory, gas laws, formula writing, writing and balancing equations, , predicting products, atomic theory, electronic structure and periodic trends, compositional and reaction stoichiometry, chemical bonding, kinetic of chemical reactions, equilibrium, acid-base theory, oxidation - reduction, and electrochemistry. The laboratory approach is stressed and problem-solving techniques are utilized. **This class is for the advanced or accelerated science and math student. A mastery of Algebra and Geometry concepts is essential to success in this class.**

Design for Science

SCI303 Grades 11-12 Full Year 1 credit

Prerequisite: Biology

This project based course will introduce students to various Physics and Chemistry topics using inquiry based activities. Students will learn how to formulate a design based on science principles, develop and adapt it through practice. Students will then compete in in-class competitions.

Ecology

SCI305 Grades 11-12 Full Year 1 credit

Prerequisite: Biology

This course studies the interaction of all of the earth's systems, including climate, geology and soils, plant distributions, and animal population changes. Current environmental issues are assessed from a scientific standpoint, including human effects such as pollution, erosion, extinction and global climate change. Labs focus on hands-on activities, biome modeling and interactions in food chains and food webs. This course requires successful completion of a year-long project in order to earn credit for the course.

Physics

SCI400 Grades 11-12 Full Year 1 credit

Topics covered include the following: the behavior and nature of light (wave and particle models), kinematics, vectors, dynamics, laws of conservation of momentum and energy, static and current electricity, magnetism, atomic models and matter waves. **Suggested for students who have not yet reached the calculus level. It is recommended for students who have completed Algebra II.**

AP Physics C: Mechanics

SCI404 Grades 11-12 Full Year 1 credit

Corequisite: AP Calculus or concurrent enrollment in Calculus

Prerequisite: Biology and Chemistry

AP Physics C: Mechanics is a calculus-based, college-level physics course. It covers kinematics; Newton's laws of motion; work, energy, and power; systems of particles and linear momentum; circular motion and rotation; oscillations; and gravitation. AP Physics C: Mechanics includes a hands-on laboratory component comparable to a semester-long introductory college-level physics laboratory. Students spend a minimum of 25% of instructional time engaged in hands-on laboratory work. Students ask questions, make observations and predictions, design experiments, analyze data, and construct arguments in a collaborative setting, where they direct and monitor their progress. **It is strongly recommended that students take the Advanced Placement Exam in May.**

Anatomy & Biotechnology

SCI501 Grades 10-12 Full Year 1 credit

Prerequisite: Biology

It is helpful if students enrolling in this course have already completed chemistry. This course concentrates on human anatomy and physiology, and on the emerging field of biotechnology. Lab work focuses on DNA extraction, manipulation, and analysis, including forensics; cell and tissue types, and body systems and physiology, including dissections. This course is strongly recommended for students considering a health science career.

AP Physics I: Algebra-Based

SCI504 Grades 11-12 Full Year 1 credit

Prerequisite: Algebra II

This course provides a systematic introduction to the main principles of physics and emphasizes the development of conceptual understanding and problem-solving ability using algebra and trigonometry, but rarely calculus. In most colleges, this is a one-year terminal course including a laboratory component and is not the usual preparation for more advanced physics and engineering courses. However, the course provides a foundation in physics for students in the life sciences, pre-medicine, and some applied sciences, as well as other fields not directly related to science. **It is strongly recommended that students take the Advanced Placement Exam in May.**

AP Chemistry

SCI604

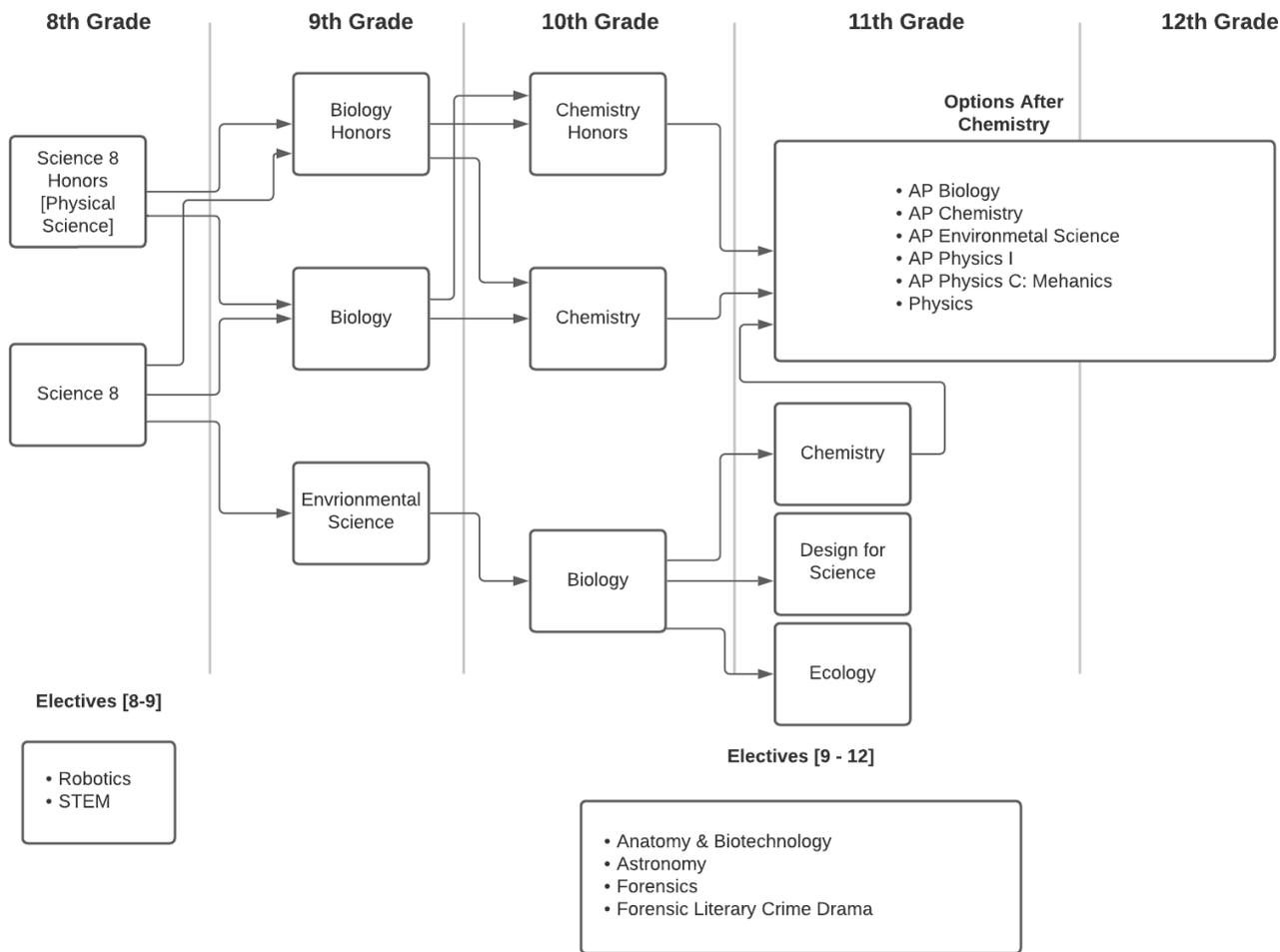
Grades 11-12

Full Year

1 credit

Prerequisite: Chemistry and Algebra II

This class is for the advanced student who wishes to prepare for the AP exam in Chemistry. Review of basic Chemistry principles followed by work with kinetics, acid/base reactions, thermodynamics, equilibrium systems, oxidation reduction and electrochemistry. The required laboratory work for the AP exam is incorporated into the lab work. **It is strongly recommended that students take the Advanced Placement Exam in May.**



SOCIAL STUDIES Department

The Social Studies Department provides a variety of courses, which exposes students to the areas of history, political science, economics, psychology, sociology, and criminal justice. Students develop skills, such as analyzing primary sources, writing, research, and critical thinking. Students can explore courses that aid in career exploration and guide future career and postsecondary education decisions.

Social Studies 8

SOC008 **Grade 8** **Full Year**

The study of U.S. History from 1492 TO 1877, beginning with exploration and ending with reconstruction. The historical focus is the study of European exploration and the early years of the United States. This study incorporates all four social studies strands into a chronological view of the development of the United States. Students examine how historic events are shaped by geographic, social, cultural, economic and political factors.

Financial Literacy

SOC009 **Grade 9-12** **Semester** **0.5 credit**

Personal financial literacy will give students the building blocks needed to conquer some of the biggest financial decisions they will make throughout their lives. Students will hone their problem solving and critical thinking skills through simulations such as managing a paycheck, understanding the costs associated with borrowing and choosing the right insurance policy. Students will be tasked with goal setting and formulating a financial plan that encompasses spending, saving and giving.

AP Human Geography

SOC104 **Grades 9-12** **Full Year** **1 credit**

Prerequisite: Teacher recommendation [Ninth Graders ONLY]

AP Human Geography presents students with the curricular equivalent of an introductory college-level course in human geography. Content is organized around the discipline's main subfields: economic geography, cultural geography, political geography, and urban geography. The approach is spatial and problem oriented. Case studies are drawn from all world regions, with an emphasis on understanding the world in which we live today. Historical information serves to enrich analysis of the impacts of phenomena such as globalization, colonialism, and human–environment relationships on places, regions, cultural landscapes, and patterns of interaction. *It is strongly suggested that students take the AP Exam in May.*

NOTE: *This course will satisfy a student's "World History" requirement. **Ninth grade students enrolled in this course WILL NOT be able to drop this course after the second week of classes.** This course does not align with World History. Students do not have the ability to drop AP Human Geography and move into World History.*

Modern World History Honors

SOC121/SOC122 **Grades 9** **Full Year** **1 credit [0.50 credit per semester]**

Prerequisite: Teacher recommendation

Modern World History traces the history of major world civilizations from the Enlightenment through modern times. This course is designed for students with strong writing and reading skills. This is a college preparatory course that will require several research-based papers and assignments. This course is also designed to prepare students for the Ohio Graduation Examination.

Modern World History

SOC120/SOC125 **Grades 9** **Full Year** **1 credit [0.50 credit per semester]**

Modern World History traces the history of major world civilizations from the Enlightenment through modern times. In addition to the history of these civilizations, this course will emphasize world governmental and economic systems, as well as geography. This course is designed to prepare students for the Ohio Graduation Examination.

AP World History ***CCP World History (TBD)**

SOC204 **Grades 11-12** **Full Year** **1 credit**

Prerequisite: Modern World History or AP Human Geography

AP World History is a course that allows the student to examine all parts of human historical development. It is designed for students with strong writing and reading skills. In preparation for the AP Exam in May, students will interpret a great number of documents from various sources, and be required to do extensive reading beyond the textbook. ***It is strongly recommended that students take the AP Exam in May.***

20th Century US History

SOC220 **Grades 10** **Full Year** **1 credit**

Prerequisite: Modern World History or Modern World History Honors

This course covers the social, economic, and political history of the U.S.A. in the 20th Century. This class will use objective tests such as multiple choice and matching, short essays and fulfills the U.S. History requirement for graduation. This course will also prepare students for the Ohio United States History EOC Exam.

20th Century US History Honors

SOC221 **Grades 10** **Full Year** **1 credit**

Prerequisite: Teacher recommendation

This is a decade by decade survey of U.S. History in the Twentieth Century. All aspects of social, economic, political life will be examined. This is an accelerated, college prep course. It will include all types of tests, strong reading emphasis and writing research papers. This course fulfills the U.S. History requirement for graduation. This course will also prepare students for the Ohio United States History EOC Exam.

AP US History

SOC304 **Grades 11-12** **Full Year** **1 credit**

Prerequisite: US History

This course will offer a detailed study of American History from earliest Indian migrations through the end of the Cold War. In preparation for the AP Exam, students will interpret a great number of primary documents, do extensive reading beyond the textbook and do expansive writing assignments. ***It is strongly recommended that students take the AP Exam in May.***

US Government

SOC400 **Grades 11-12** **Full Year** **1 credit**

Prerequisite: US History

This class is a graduation requirement. It will survey the United States Constitution and its applications in American life. Topics will include the following: basic theory of government, the roles and functions of the three branches of our government, practical applications of good citizenship. A financial literacy component will be introduced during a portion of the year.

US Government Honors

SOC401 **Grades 11-12** **Full Year** **1 credit**

Prerequisite: US History and teacher recommendation

United States Government is a graduation requirement. This course will survey the United States Constitution and its applications in American life. Topics will include the following: basic theory of government, the roles and functions of the three branches of our government, practical applications of good citizenship. A financial literacy component will be introduced during a portion of the year. As an Honors level course, students are held to a higher level of accountability and expectations for their performance in the class. Content will move at a faster pace, with a more in-depth look.

AP US Government and Politics

SOC404 **Grades 11-12** **Full Year** **1 credit**

Prerequisite: US History and teacher recommendation

This AP US Government and Politics course covers the constitutional underpinnings of the US Government; political beliefs and behaviors; political parties, interest groups, and mass media; institutions of national government; the

Congress, the presidency, the bureaucracy, and the federal courts; public policy; and civil rights and civil liberties. ***It is strongly recommended that students take the AP Exam in May.***

AP European History

[offered in even years]

SOC504 Grades 10-12 Semester 0.50 credit

Prerequisite: World History

This one semester course follows the one-year world history course and is designed to teach students essay testing and critical evaluation of original documents. It will be tied to a review of important ideas in European history and preparation for the European History Advanced Placement Test for possible college history credit. ***It is strongly recommended that students take the AP Exam in May.***

International Relations

SOC550 Grades 10-12 Semester 0.50 credit

International Relations will look at the relationship between nations. The course will focus on modern world conflicts and how these are influenced by culture, the physical environment, economics, and international organizations. A significant portion of the course will be devoted to current world conflicts and events.

Germany 1914-1946

SOC560 Grades 10-12 Semester 0.50 credit

[offered in odd years]

Prerequisite: Modern World History or AP Human Geography

This course examines Adolf Hitler's rise to power and the eventual decline of Nazi Germany from 1914-1946. The course will emphasize why and how Adolf Hitler came to power, the Nazi political party, and dictators who were German allies. A major emphasis of the course will include World War II, the Holocaust, and the Allies' response to German aggression.

Psychology

SOC600 Grades 10-12 Semester 0.50 credit

This course is a basic study of human behavior geared toward application for everyday living. Consideration of human interpersonal relations, personality, development, perception and mental health offers students the opportunity to examine and further understand themselves, their behavior and attitudes, and the behavior and attitudes of others.

AP Psychology

SOC604 Grades 11-12 Full Year 1 credit

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. ***It is strongly recommended that students take the AP Exam in May.***

Criminal Justice

SOC650 Grades 10-12 Semester 0.50 credit

Criminal Justice is a course that looks in depth at the criminal justice system. Topics will include the various types of crimes, police/law enforcement, the court system, and the corrections system. The course is set up to assist students who are considering pursuing a career in criminal justice or are interested in the field.

Sociology

SOC700 Grades 10-12 Semester 0.50 credit

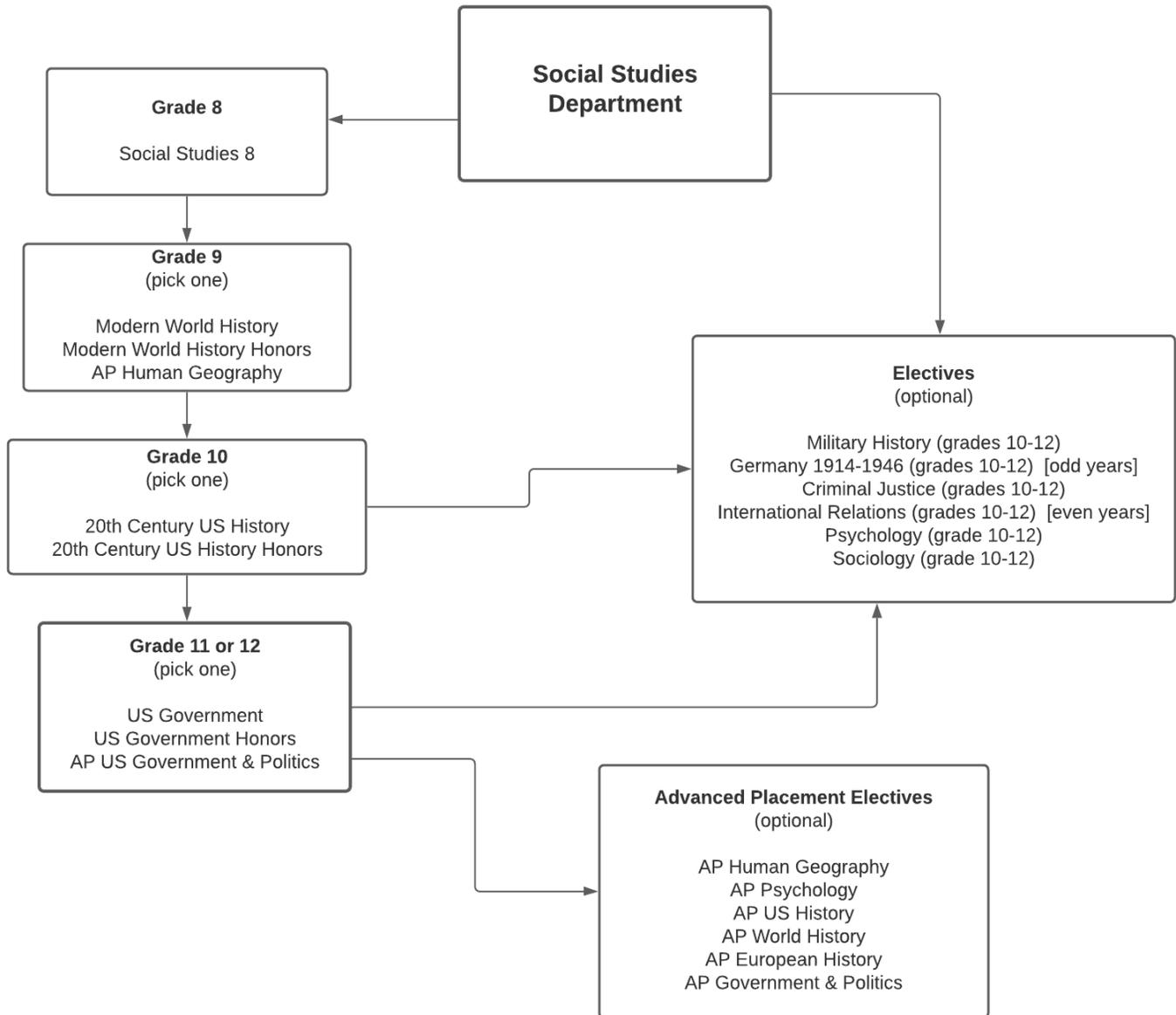
This course is a survey of the causes of social behavior with an introduction to the ways of investigating and analyzing that behavior.

Military History

SOC750 Grades 10-12 Semester 0.50 credit

Prerequisite: World History

This course will examine both a tragic and fascinating recurring theme in the human story: armed conflict. From a primarily western civilization perspective, students will learn to think critically about war as it has occurred across time and continents. Students will analyze how cultural, political, and social institutions have been causal agents of war as well as how they have been shaped by war.



STEAM Department

(SCIENCE, TECHNOLOGY, ENGINEERING, ARTS, MATHEMATICS)

S.T.E.A.M. intertwines the multiple disciplines of Science, Technology, Engineering, Art, and Mathematics into one curriculum. Through experimentation and problem solving, students encounter real world applications of design. This unique department allows students to engage fully in every stage of the process – from conception and design to its physical production. If students can dream the idea, S.T.E.A.M. possesses all the technology and tools to bring their visions to fruition.

Media Event Production

[Off Year]

CPT101 Grades 8-12 Full Year 1 credit

This course will teach students the behind the scenes skills to produce live events for audiences at the location and watching via video streaming. Students will learn the production tools in the CHS Gymnasium and Chardon Memorial Field. They will learn to operate the video scoreboards, video cameras, tri-casters, Media Cast streaming, audio boards, public address systems, lighting systems, special effects generators, and work as a team directing live events. Students will produce the CHS News Production (Morning Announcements). Students will assist in the production of plays, concerts, assemblies, and sporting events. Students will use computers, HD video cameras, DSLR still cameras, video editing software, along with additional hardware and software to produce CHS News. Students are required to spend one hour per semester videotaping various extracurricular events. Students may also be invited to work on the video crews at board meetings, school events, and athletic competitions.

Introduction to Engineering Design

[Off Year]

CPT103 Grades 9-12 Semester 0.50 credit

Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects like designing a new toy or improving an existing product. This class uses solid modeling software to introduce students to the design process. Utilizing this design approach, students understand how design has influenced their lives. Students will learn sketching techniques, and use descriptive geometry as a component of design, measurement, and computer modeling. Using design briefs or abstracts, students create models and documentation to solve problems. The instructional topics include: 1) the design cycle; 2) sketching and scale drawings; 3) 3D computer modeling; and 4) 3D printing.

Architecture and Construction

CPT104 Grades 9-12 Full Year 1 credit

Students will learn to read construction drawings, and the basics of residential home construction (floor systems, wall framing, roof systems). Autodesk Revit software will be utilized to create 3D building models which will be used to create architectural and construction documentation such as plans, elevations, schedules, and sections. Throughout the course, students will use hands-on skills and procedures in a laboratory setting to complete basic projects.

3D Modeling

CPT110 Grades 8-12 Full Year 1 credit

This course is an introduction to computer aided design. This course introduces solid modeling techniques as applied to mechanical design and computer aided manufacturing. Students will create parametric feature based solid models, part assemblies, detailed drawings, and 3D printing projects.

CCP Engineering Graphics - Mech_1000

CPT115 Grades 9-12 Semester 1 credit Fall semester

MECH 1000 introduces the concepts of reading and creating engineering prints. Topics include orthographic projection, dimensioning systems, sections, auxiliary views, and general drawing layout. The basics of AutoCAD software are taught and utilized for print creation. AutoCAD topics include interface, 2-D entity construction, layers, text, dimensioning, plotting, and simple 3-D objects.

CCP Mechanical 3D Modeling - Mech_1100

CPT116 Grades 9-12 Semester 1 credit Spring semester

Prerequisite: CCP Engineering Graphics - Mech_1000 and Grade of "C" or better

MECH 1100 introduces parametric solid modeling as used in the mechanical design environment. Students will learn to create parts, assemblies, and drawings in a commercially used 3-D computer aided design package. The theory of bottom-up design is mainly the focus, with an introduction to top-down design.

AP Computer Science Principles

[Off Year]

CPT204 Grades 9-12 Full Year 1 credit

Prerequisite: Algebra I

Using Code.org as a primary tool, students develop computational-thinking skills and tackle challenges like designing apps to solve real-world problems for clients.

Advanced CAD and CAM

CPT 300 Grades 9-12 Full Year 1 credit

Prerequisite: 3D Modeling or CCP Engineering Graphics - Mech_1000

This course offers the advancement and practical application of 3D modeling skills learned in 3D Modeling. Through design projects, students are given practical experience in more advanced topics of modeling and Computer Aided Machining (CAM). Concepts covered: Assembly Drawings, Advanced Assemblies, Assembly Motion, 3D Printing Projects, and CNC Milling Projects.

WORLD LANGUAGE Department

The goal of the World Language Department is to teach each student as if they are continuing on to the highest level offered. Both languages offered involve skill in listening, speaking, reading, and writing, as well as memorization of vocabulary, spelling, and grammar. Please note that the World Language department strongly recommends a minimum final grade of C before a student advances to the next level in either language. World Language is not required for graduation from high school. World Language is recommended for college bound students. Some, not all, colleges require two or more years of a world language.

Passport to Language

FOR008 **Grades 8-9** **Semester** **0.50 credit**

Join us as we delve into Spanish and French! We will be investigating culture and vocabulary in both languages. Follow us as we learn to communicate on an introductory level. We will explore practical topics such as greetings, weather, time, and colors. Sign up today to begin your passport to the future.

Passport to World Cultures

FOR009 **Grades 8-9** **Semester** **0.50 credit**

This is an exciting course for 8th grade students wanting to explore diverse cultures. What unites the people of Africa, Europe, Asia, the Americas, and the Pacific? We will research their values in education, food traditions, sports and leisure, fashion, and more while sharing creative products such as Instagrams, Fakebook pages, picture books, and videos. Come with us on this global semester adventure.

French I

FOR101 **Grades 8-12** **Full Year** **1 credit**

This course is an introduction to communicating in French by means of building basic vocabulary and developing the skills of listening, speaking, reading, and writing. The class includes an introduction to culture in the various countries where the languages are spoken. Strong memorization skills with an understanding of grammar concepts and usage is required in this course. Students who struggle in English classes may find world languages very challenging.

French II

FOR102 **Grades 9-12** **Full Year** **1 credit**

Prerequisite: French I

Our second-year course builds on the foundation established in level I. The class expands grammar concepts, along with further study of culture, vocabulary, and skills in communication.

French III

FOR103 **Grades 10-12** **Full Year** **1 credit**

Prerequisite: French II

This course takes the student to a more sophisticated level in the language, especially in the use of more complex grammar, variety of verb tenses, comprehension, and speaking. Studies in culture, reading, and communicative skills are more detailed and more refined.

French IV

FOR104 **Grades 11-12** **Full Year** **1 credit**

Prerequisite: French III

The focus of this course is to continue to expand the student's knowledge of vocabulary, grammar, and culture in French, while developing the three modes of communication: interpretive, interpersonal, and presentational communication. This class will begin to introduce students to AP topics such as the six course themes, and several of the free response tasks.

AP French Language

FOR105 **Grades 12** **Full Year** **1 credit**

Prerequisite: French IV

This course is geared for those wishing to obtain college credit via the AP exam. The class includes grammar review, writing, and conversation. In addition to practice for taking the AP exam, students will study detailed culture topics, current events, and literature. Decision to take the AP test will have to be made in October. ***It is strongly recommended that students take the AP Exam in May.***

World Language Summit I and II

FOR110/FOR111 **Grades 12** **Full Year** **1 credit**

Prerequisite: AP French Language

Designed for the student that has already taken AP French Language, that wants to maintain their language skills while continuing to explore the French-speaking world. This course will encompass geography, film, literature, food and other cultural aspects of the French-speaking world. This class will be conducted entirely in French and is nonsequential. AP French Language is a prerequisite for taking this course.

Spanish I

FOR201 **Grades 8-12** **Full Year** **1 credit**

This course is an introduction to communicating in Spanish by means of building basic vocabulary and developing the skills of listening, speaking, reading, and writing. The class includes an introduction to culture in the various countries where the languages are spoken. Strong memorization skills with an understanding of grammar concepts and usage is required in this course. Students who struggle in English classes may find world languages very challenging.

Spanish II

FOR202 **Grades 9-12** **Full Year** **1 credit**

Prerequisite: Spanish I

Our second-year course builds on the foundation established in level I. The class expands grammar concepts, along with further study of culture, vocabulary, and skills in communication.

Spanish III

FOR203 **Grades 10-12** **Full Year** **1 credit**

Prerequisite: Spanish II

This course takes the student to a more sophisticated level in the language, especially in the use of more complex grammar, variety of verb tenses, comprehension, and speaking. Studies in culture, reading, and communicative skills are more detailed and more refined.

Spanish IV

FOR204 **Grades 11-12** **Full Year** **1 credit**

Prerequisite: Spanish III

The focus of this course is to continue to expand the student's knowledge of vocabulary, grammar, and culture in Spanish, while developing the three modes of communication: interpretive, interpersonal, and presentational communication. This class will begin to introduce students to AP topics such as the six course themes, and several of the free response tasks.

AP Spanish Language

FOR205 **Grades 12** **Full Year** **1 credit**

Prerequisite: Spanish IV

This course is geared for those wishing to obtain college credit via the AP exam. The class includes grammar review, writing, and conversation. In addition to practice for taking the AP exam, students will study detailed culture topics, current events, and literature. Decision to take the AP test will have to be made in October. ***It is strongly recommended that students take the AP Exam in May.***

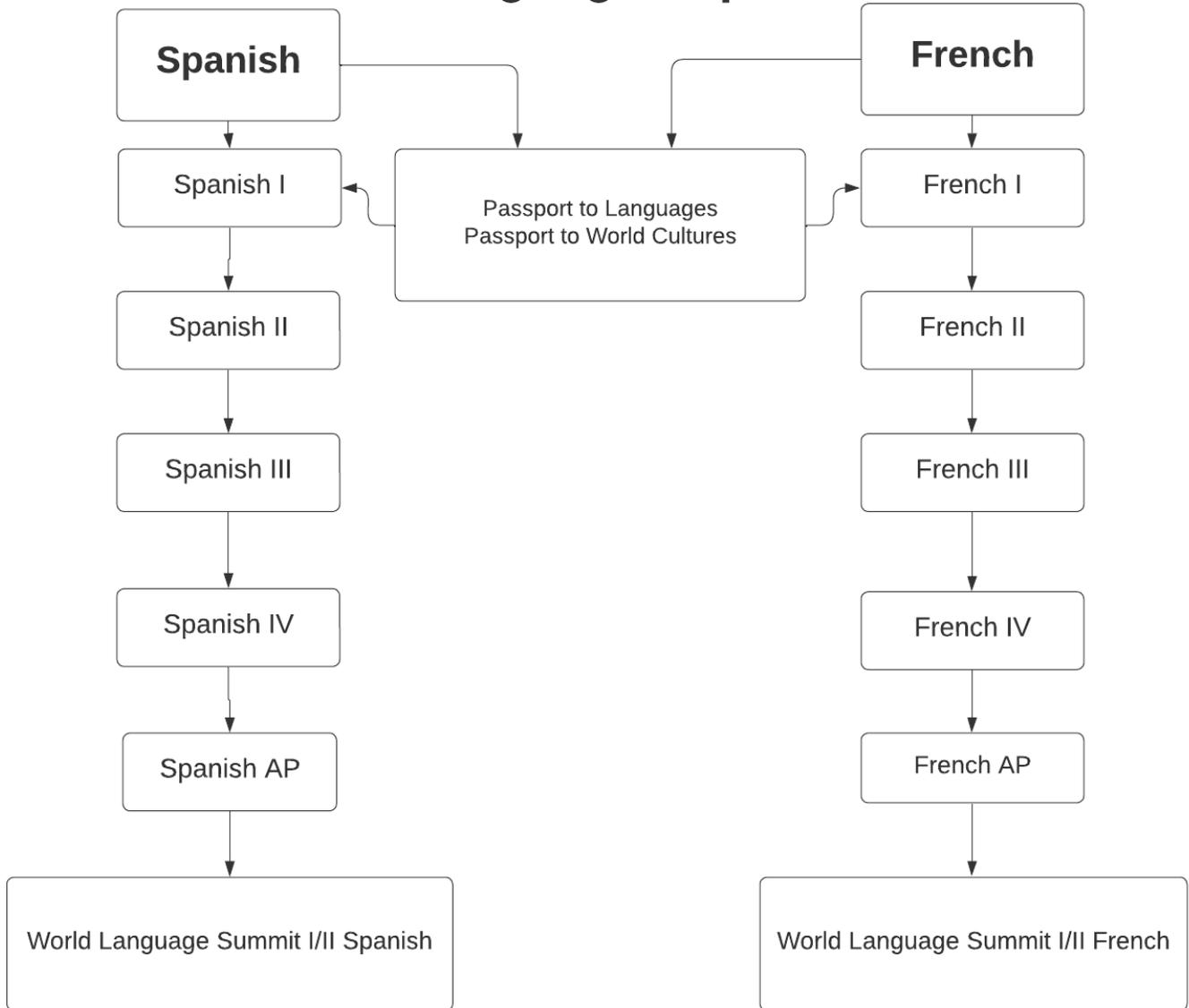
World Language Summit I and II

FOR210/FOR211 **Grades 12** **Full Year** **1 credit**

Prerequisite: AP Spanish Language

Designed for the student that has already taken AP Spanish Language, that wants to maintain their language skills while continuing to explore the Spanish-speaking world. This course will encompass geography, film, literature, food and other cultural aspects of the Spanish-speaking world. This class will be conducted entirely in Spanish and is nonsequential. AP Spanish Language is a prerequisite for taking this course.

World Language Department



Chardon High School

Eighth Grade Program of Studies



2023-2024

Welcome to High School!

We know many of you are excited about starting your high school experience at Chardon Local Schools. We also know that many of you are nervous about moving to high school. At Chardon High School, we understand that the eighth grade student is filled with numerous feelings about the upcoming school year. The staff at Chardon High School is eager for your arrival and look forward to building 21st century skills to better prepare you for future success.

As an eighth grade student at Chardon High School, you are presented with the opportunity to extend your education in a multitude of different directions. The eighth grade year prepares students for higher level learning to assure success in high school courses, while also reinforcing skills learned in the earlier grades. At Chardon, we feel that having the eighth grade at the high school is an advantage for students to accelerate in areas not attainable before our transition.

Being at the high school allows all Chardon eighth graders opportunities that children in other districts do not have. The eighth grade Chardon Student has the opportunity to complete middle school content in all subjects, but also being offered the option of taking high school level courses in a multitude of differing content areas.

Students will be placed in all core classes based on teacher recommendations. Eighth graders have the capability to choose electives and [Circuit of Success](#) sections that align with their likes and interests. Please review the choices offered to you with a school counselor, parent, guardian, or mentor. You should choose classes you would be successful in and enjoy. It is recommended that you choose classes based on your individual skills and passions. The changing of classes during the school year is extremely difficult due to sections being filled quickly. Please make your selections seriously and mindfully.



SAMPLE Chardon High School Schedule

English Choice: _____

Mathematics Choice: _____

Science Choice: _____

Social Studies Choice: Social Studies 8

Circuit of Success Choices: Principles of Leadership [required]

select [3] three additional principles

Required Elective: Health/Physical Education

Additional Elective(s):

[2]full year courses:

or [1] full year course and [2] semester courses:

_____ and _____

or [4] semester courses:

This form is used for practice. Your final course selections will be entered into Infinite Campus.

Grade 8 Course List

2023-2024

Code	Course Title	Credit	Code	Course Title	Credit
Art			Health / Physical Education [Elective]		
ART009	2D Visual Art	0.5	HPE300	Team Sports	0.25
ART010	3D Visual Art	0.5	HPE350	Fitness & Weight Training I	0.25
ART100	Elements of Art	1.0	HPE351	Fitness & Weight Training II	0.25
Business			Mathematics		
BAT300	Introduction to Business (CCP)	1.0 (sem)	MTH008	Mathematics 8	year
BAT301	Business Ethics (CCP)	1.0 (sem)	MTH101	Algebra I Honors *	1.0
Career Technical Education			MTH201	Geometry Honors *	1.0
CBI100	CREW Foundations	1.0	Music		
Circuit of Success [PICK 3]			MUS008	Band	year
CSS002	Principles of Communication	quarter	MUS009	Choir	year
CSS003	Principles of Entrepreneurship	quarter	Science		
CSS004	Principles of Global Awareness	quarter	SCI008	Science 8	year
CSS005	Principles of Innovation	quarter	SCI088	Science 8 Honors [Physical Science]	1.0
CSS006	Principles of Problem Solving	quarter	Science [Elective]		
Circuit of Success [Required]			SCI050	Robotics	0.5
CSS001	Principles of Leadership	quarter	SCI051	STEM	0.5
English			Social Studies		
ENG008	English 8	year	SOC008	Social Studies 8	year
ENG102	English I Honors *	1.0	STEAM		
ENG475	English Composition I (CCP)	1.0 (sem)	CPT110	3D Modeling	1.0
ENG476	English Composition II (CCP)	1.0 (sem)	World Language		
English [Elective]			FOR008	Passport to Language	0.5
ENG050	PODcast	0.5	FOR009	Passport to World Culture	0.5
ENG150	Creative Writing Workshop	0.5	FOR101	French I *	1.0
Health / Physical Education [Required]			FOR201	Spanish I *	1.0
HPE100	Health	0.5			
HPE150	Intro to Physical Education	0.25			
* NCAA Approved					

CCP: Students must meet Lakeland Community College standards.

Grade 9 Course List

2023-2024

Code	Course Title	Credit	Code	Course Title	Credit
Art			Music		
ART100	Elements of Art	1.0	MUS110	Symphonic Band	1.0
ART202	Drawing I	0.5	MUS210	Treble Choir	1.0
ART203	Painting I	0.5	MUS211	Chorale	1.0
ART204	Ceramics I	0.5	Non Department		
ART205	Digital Art & Design	0.5	ETC100	Yearbook	1.0
ART206	Metals	0.5	HUM100	Academic Decathlon	1.0
ART208	Animation	0.5	Science		
Business			SCI200	Biology *	1.0
BAT300	Introduction to Business (CCP)	1.0 (sem)	SCI202	Biology Honors *	1.0
BAT301	Business Ethics (CCP)	1.0 (sem)	SCI299	Environmental Science *	1.0
BAT302	Business Communications (CCP)	1.0 (sem)	Science [Electives]		
BAT303	Introduction to Entrepreneurship (CCP)	1.0 (sem)	SCI050	Robotics	0.5
Career Technical Education			SCI051	STEM	0.5
CBI050	CBI Lab [Circuits]	1.0	SCI093	Astronomy *	0.5
CBI100	CREW Foundations	1.0	SCI095	Forensic Science *	0.5
CBI300	CREW Work Based Learning	1.0	Social Studies		
English			SOC104	AP Human Geography *	1.0
ENG100	English I CP*	1.0	SOC120	Modern World History *	1.0
ENG202	English II Honors *	1.0	SOC121	Modern World History Honors *	1.0
ENG475	English Composition I (CCP)	1.0 (sem)	Social Studies [Electives]		
ENG476	English Composition II (CCP)	1.0 (sem)	SOC009	Financial Literacy	0.5
English [Electives]			STEAM		
ENG050	PODcast	0.5	CPT104	Architecture and Construction	1.0
ENG150	Creative Writing Workshop *	0.5	CPT110	3D Modeling	1.0
ENG152	Mythology*	0.5	CPT115	Engineering Graphics - Mech_1000 (CCP)	1.0 (sem)
ENG153	Popular Fiction *	0.5	CPT116	Mechanical 3D Modeling - Mech_1100 (CCP)	1.0 (sem)
ENG500	Debate/Persuasion *	0.5	CPT300	Advanced CAD and CAM	1.0
ENG700	Writing for Publications I *	1.0	World Language		
Health / Physical Education			FOR008	Passport to Language	0.5
HPE100	Health	0.5	FOR009	Passport to World Culture	0.5
HPE150	Intro to Physical Education	0.25	FOR101	French I *	1.0
HPE300	Team Sports	0.25	FOR102	French II *	1.0
HPE301	Leisure Sports	0.25	FOR201	Spanish I *	1.0
HPE302	Stress Management & Wellness	0.25	FOR202	Spanish II *	1.0
HPE350	Fitness & Weight Training I	0.25			
HPE351	Fitness & Weight Training II	0.25			
Mathematics			CCP: Students must meet Lakeland Community College standards.		
MTH100	Algebra I *	1.0			
MTH101	Algebra I Honors *	1.0			
MTH201	Geometry Honors *	1.0			
MTH301	Algebra II Honors *	1.0			

* NCAA Approved

Grade 10 Course List

2023-2024

Code	Course Title	Credit	Code	Course Title	Credit
Art			Mathematics [Electives]		
ART100	Elements of Art	1.0	MTH050	The Cost of Living on Your Own	0.5
ART202	Drawing I	0.5	Music		
ART203	Painting I	0.5	MUS110	Symphonic Band	1.0
ART204	Ceramics I	0.5	MUS120	Wind Ensemble	1.0
ART205	Digital Art & Design	0.5	MUS210	Treble Choir	1.0
ART206	Metals	0.5	MUS211	Chorale	1.0
ART208	Animation	0.5	MUS320	History of Rock & Roll	1.0
Business			Non Department		
BAT300	Introduction to Business (CCP)	1.0 (sem)	ETC100	Yearbook	1.0
BAT301	Business Ethics (CCP)	1.0 (sem)	HUM100	Academic Decathlon	1.0
BAT302	Business Communications (CCP)	1.0 (sem)	Science		
BAT303	Introduction to Entrepreneurship (CCP)	1.0 (sem)	SCI200	Biology *	1.0
Career Technical Education			SCI299	Environmental Science *	1.0
CBI050	CBI Lab [Circuits]	1.0	SCI300	Chemistry *	1.0
CBI051	CBI Lab [Manufacturing I]	1.0	SCI302	Chemistry Honors *	1.0
CBI100	CREW Foundations	1.0	Science [Electives]		
CBI300	CREW Work Based Learning	1.0	SCI093	Astronomy *	0.5
English			SCI095	Forensic Science *	0.5
ENG200	English II CP *	1.0	SCI160	Forensic Literary Crime Drama	1.0
ENG302	English III Honors *	1.0	SCI501	Anatomy & Biotechnology *	1.0
ENG475	English Composition I (CCP)	1.0 (sem)	Social Studies		
ENG476	English Composition II (CCP)	1.0 (sem)	SOC220	20th Century US History *	1.0
English [Electives]			SOC221	20th Century US History Honors *	1.0
ENG050	PODcast	0.5	Social Studies [Electives]		
ENG150	Creative Writing Workshop *	0.5	SOC009	Financial Literacy	0.5
ENG152	Mythology*	0.5	SOC104	AP Human Geography *	1.0
ENG153	Popular Fiction *	0.5	SOC550	International Relations *	0.5
ENG160	Forensic Literary Crime Drama	1.0	SOC560	Germany 1914-1946 *	0.5
ENG500	Debate/Persuasion *	0.5	SOC601	Psychology *	0.5
ENG600	Theater Arts I	0.5	SOC650	Criminal Justice *	0.5
ENG650	Theater Arts II	0.5	SOC701	Sociology *	0.5
ENG700	Writing for Publications I *	1.0	SOC750	Military History *	0.5
ENG701	Writing for Publications II *	1.0	STEAM		
Health / Physical Education			CPT104	Architecture and Construction	1.0
HPE100	Health	0.5	CPT110	3D Modeling	1.0
HPE150	Intro to Physical Education	0.25	CPT115	Engineering Graphics - Mech_1000 (CCP)	1.0 (sem)
HPE300	Team Sports	0.25	CPT116	Mechanical 3D Modeling - Mech_1100 (CCP)	1.0 (sem)
HPE301	Leisure Sports	0.25	CPT300	Advanced CAD and CAM	1.0
HPE302	Stress Management & Wellness	0.25	World Language		
HPE350	Fitness & Weight Training I	0.25	FOR101	French I *	1.0
HPE351	Fitness & Weight Training II	0.25	FOR102	French II *	1.0
Mathematics			FOR103	French III *	1.0
MTH100	Algebra I *	1.0	FOR201	Spanish I *	1.0
MTH200	Geometry *	1.0	FOR202	Spanish II *	1.0
MTH201	Geometry Honors *	1.0	FOR203	Spanish III *	1.0
MTH301	Algebra II Honors *	1.0			
MTH404	AP Pre-Calculus *	1.0			
MTH704	AP Statistics *	1.0			
CCP: Students must meet Lakeland Community College standards.					
* NCAA Approved					

Grade 11 Course List			2023-2024		
Code	Course Title	Credit	Code	Course Title	Credit
Art			Mathematics [Electives]		
ART100	Elements of Art	1.0	MTH050	The Cost of Living on Your Own	0.5
ART202	Drawing I	0.5	Music		
ART203	Painting I	0.5	MUS110	Symphonic Band	1.0
ART204	Ceramics I	0.5	MUS120	Wind Ensemble	1.0
ART205	Digital Art & Design	0.5	MUS210	Treble Choir	1.0
ART206	Metals	0.5	MUS211	Chorale	1.0
ART208	Animation	0.5	MUS320	History of Rock & Roll	1.0
ART504	AP Studio Art	1.0	Non Department		
Business			ETC100	Yearbook	1.0
BAT300	Introduction to Business (CCP)	1.0 (sem)	HUM100	Academic Decathlon	1.0
BAT301	Business Ethics (CCP)	1.0 (sem)	Science		
BAT302	Business Communications (CCP)	1.0 (sem)	SCI204	AP Biology *	1.0
BAT303	Introduction to Entrepreneurship (CCP)	1.0 (sem)	SCI294	AP Environmental Science *	1.0
Career Technical Education			SCI300	Chemistry *	1.0
CBI050	CBI Lab [Circuits]	1.0	SCI302	Chemistry Honors *	1.0
CBI051	CBI Lab [Manufacturing I]	1.0	SCI303	Design for Science	1.0
CBI100	CREW Foundations	1.0	SCI305	Ecology *	1.0
CBI200	CREW Transitions	1.0	SCI400	Physics *	1.0
CBI300	CREW Work Based Learning	1.0	SCI404	AP Physics C *	1.0
CBI350	CREW Practical Work Experience	1.0	SCI504	AP Physics I: Algebra Based *	1.0
English [Pick ONE]			SCI604	AP Chemistry *	1.0
ENG350	Literature *	0.5	Science [Electives]		
ENG354	Literature *	0.5	SCI093	Astronomy *	0.5
ENG356	Literature *	0.5	SCI095	Forensic Science *	0.5
ENG475	English Composition I (CCP)	1.0 (sem)	SCI160	Forensic Literary Crime Drama	1.0
ENG476	English Composition II (CCP)	1.0 (sem)	SCI501	Anatomy & Biotechnology *	1.0
English Composition Courses			Social Studies		
ENG304	AP Language and Composition *	1.0	SOC400	US Government *	1.0
ENG306	College & Academic Writing *	0.5	SOC401	US Government Honors *	1.0
English [Electives]			SOC404	AP Government & Politics *	1.0
ENG050	PODcast	0.5	Social Studies [Electives]		
ENG150	Creative Writing Workshop *	0.5	SOC009	Financial Literacy	0.5
ENG152	Mythology*	0.5	SOC104	AP Human Geography *	1.0
ENG153	Popular Fiction *	0.5	SOC204	AP World History *	1.0
ENG160	Forensic Literary Crime Drama	1.0	SOC304	AP U.S. History *	1.0
ENG500	Debate/Persuasion *	0.5	SOC550	International Relations *	0.5
ENG600	Theater Arts I	0.5	SOC560	Germany 1914-1946 *	0.5
ENG650	Theater Arts II	0.5	SOC601	Psychology *	0.5
ENG700	Writing for Publications I *	1.0	SOC604	AP Psychology *	1.0
ENG701	Writing for Publications II *	1.0	SOC650	Criminal Justice *	0.5
Health / Physical Education			SOC701	Sociology *	0.5
HPE100	Health	0.5	SOC750	Military History *	0.5
HPE150	Intro to Physical Education	0.25	STEAM		
HPE300	Team Sports	0.25	CPT104	Architecture and Construction	1.0
HPE301	Leisure Sports	0.25	CPT110	3D Modeling	1.0
HPE302	Stress Management & Wellness	0.25	CPT115	Engineering Graphics - Mech_1000 (CCP)	1.0 (sem)
HPE350	Fitness & Weight Training I	0.25	CPT116	Mechanical 3D Modeling - Mech_1100 (CCP)	1.0 (sem)
HPE351	Fitness & Weight Training II	0.25	CPT300	Advanced CAD and CAM	1.0
Mathematics			World Language		
MTH200	Geometry *	1.0	FOR101	French I *	1.0
MTH300	Algebra II *	1.0	FOR102	French II *	1.0
MTH301	Algebra II Honors *	1.0	FOR103	French III *	1.0
MTH350	Probability & Statistics *	1.0	FOR104	French IV *	1.0
MTH398	CCP College Algebra *	1.0 (sem)	FOR201	Spanish I *	1.0
MTH399	CCP Trigonometry *	1.0 (sem)	FOR202	Spanish II *	1.0
MTH400	Pre-Calculus *	1.0	FOR203	Spanish III *	1.0
MTH404	AP Pre-Calculus *	1.0	FOR204	Spanish IV *	1.0
MTH504	AP Calculus AB *	1.0			
MTH604	AP Calculus BC *	1.0			
MTH704	AP Statistics *	1.0			

CCP: Students must meet Lakeland Community College standards.

* NCAA Approved

Grade 12 Course List			2023-2024		
Code	Course Title	Credit	Code	Course Title	Credit
Art			Music		
ART100	Elements of Art	1.0	MUS110	Symphonic Band	1.0
ART202	Drawing I	0.5	MUS120	Wind Ensemble	1.0
ART203	Painting I	0.5	MUS210	Treble Choir	1.0
ART204	Ceramics I	0.5	MUS211	Chorale	1.0
ART205	Digital Art & Design	0.5	MUS320	History of Rock & Roll	1.0
ART206	Metals	0.5	Non Department		
ART208	Animation	0.5	ETC100	Yearbook	1.0
ART504	AP Studio Art	1.0	FMP400	Senior Mentoring	0.5
Business			HUM100	Academic Decathlon	1.0
BAT300	Introduction to Business (CCP)	1.0 (sem)	Science		
BAT301	Business Ethics (CCP)	1.0 (sem)	SCI204	AP Biology *	1.0
BAT302	Business Communications (CCP)	1.0 (sem)	SCI294	AP Environmental Science *	1.0
BAT303	Introduction to Entrepreneurship (CCP)	1.0 (sem)	SCI303	Design for Science	1.0
Career Technical Education			SCI305	Ecology *	1.0
CBI050	CBI Lab [Circuits]	1.0	SCI400	Physics *	1.0
CBI051	CBI Lab [Manufacturing I]	1.0	SCI404	AP Physics C *	1.0
CBI100	CREW Foundations	1.0	SCI504	AP Physics I: Algebra Based *	1.0
CBI200	CREW Transitions	1.0	SCI604	AP Chemistry *	1.0
CBI300	CREW Work Based Learning	1.0	Science [Electives]		
CBI350	CREW Practical Work Experience	1.0	SCI093	Astronomy *	0.5
English [Pick ONE]			SCI095	Forensic Science *	0.5
ENG451	Literature *	0.5	SCI160	Forensic Literary Crime Drama	1.0
ENG452	Literature *	0.5	SCI501	Anatomy & Biotechnology *	1.0
ENG455	Literature *	0.5	Social Studies		
ENG475	English Composition I (CCP)	1.0 (sem)	SOC400	US Government *	1.0
ENG476	English Composition II (CCP)	1.0 (sem)	SOC401	US Government Honors *	1.0
English Comp Courses			SOC404	AP Government & Politics *	1.0
ENG404	AP Literature and Composition *	1.0	Social Studies [Electives]		
ENG406	Focus on College Writing *	0.5	SOC009	Financial Literacy	0.5
English [Electives]			SOC104	AP Human Geography *	1.0
ENG050	PODCAST	0.5	SOC204	AP World History *	1.0
ENG150	Creative Writing Workshop *	0.5	SOC304	AP U.S. History *	1.0
ENG152	Mythology*	0.5	SOC550	International Relations *	0.5
ENG153	Popular Fiction *	0.5	SOC560	Germany 1914-1946 *	0.5
ENG160	Forensic Literary Crime Drama	1.0	SOC601	Psychology *	0.5
ENG500	Debate/Persuasion *	0.5	SOC604	AP Psychology *	1.0
ENG600	Theater Arts I	0.5	SOC650	Criminal Justice *	0.5
ENG650	Theater Arts II	0.5	SOC701	Sociology *	0.5
ENG700	Writing for Publications I *	1.0	SOC750	Military History *	0.5
ENG701	Writing for Publications II *	1.0	STEAM		
Health / Physical Education			CPT104	Architecture and Construction	1.0
HPE100	Health	0.5	CPT110	3D Modeling	1.0
HPE150	Intro to Physical Education	0.25	CPT115	Engineering Graphics - Mech_1000 (CCP)	1.0 (sem)
HPE300	Team Sports	0.25	CPT116	Mechanical 3D Modeling - Mech_1100 (CCP)	1.0 (sem)
HPE301	Leisure Sports	0.25	CPT300	Advanced CAD and CAM	1.0
HPE302	Stress Management & Wellness	0.25	World Language		
HPE350	Fitness & Weight Training I	0.25	FOR101	French I *	1.0
HPE351	Fitness & Weight Training II	0.25	FOR102	French II *	1.0
Mathematics			FOR103	French III *	1.0
MTH300	Algebra II *	1.0	FOR104	French IV *	1.0
MTH350	Probability & Statistics *	1.0	FOR105	AP French *	1.0
MTH392	Discrete Mathematics *	1.0	FOR110	French World Language Summit I and II	0.5 / 0.5
MTH398	CCP College Algebra *	1.0 (sem)	FOR201	Spanish I *	1.0
MTH399	CCP Trigonometry *	1.0 (sem)	FOR202	Spanish II *	1.0
MTH400	Pre-Calculus *	1.0	FOR203	Spanish III *	1.0
MTH404	AP Pre-Calculus *	1.0	FOR204	Spanish IV *	1.0
MTH504	AP Calculus AB *	1.0	FOR205	AP Spanish *	1.0
MTH604	AP Calculus BC *	1.0	FOR210	Spanish World Language Summit I and II	0.5 / 0.5
MTH704	AP Statistics *	1.0	CCP: Students must meet Lakeland Community College standards.		
MTH803	Multivariable Calculus III*	1.0	* NCAA Approved		
Mathematics [Electives]					
MTH050	The Cost of Living on Your Own	0.5			