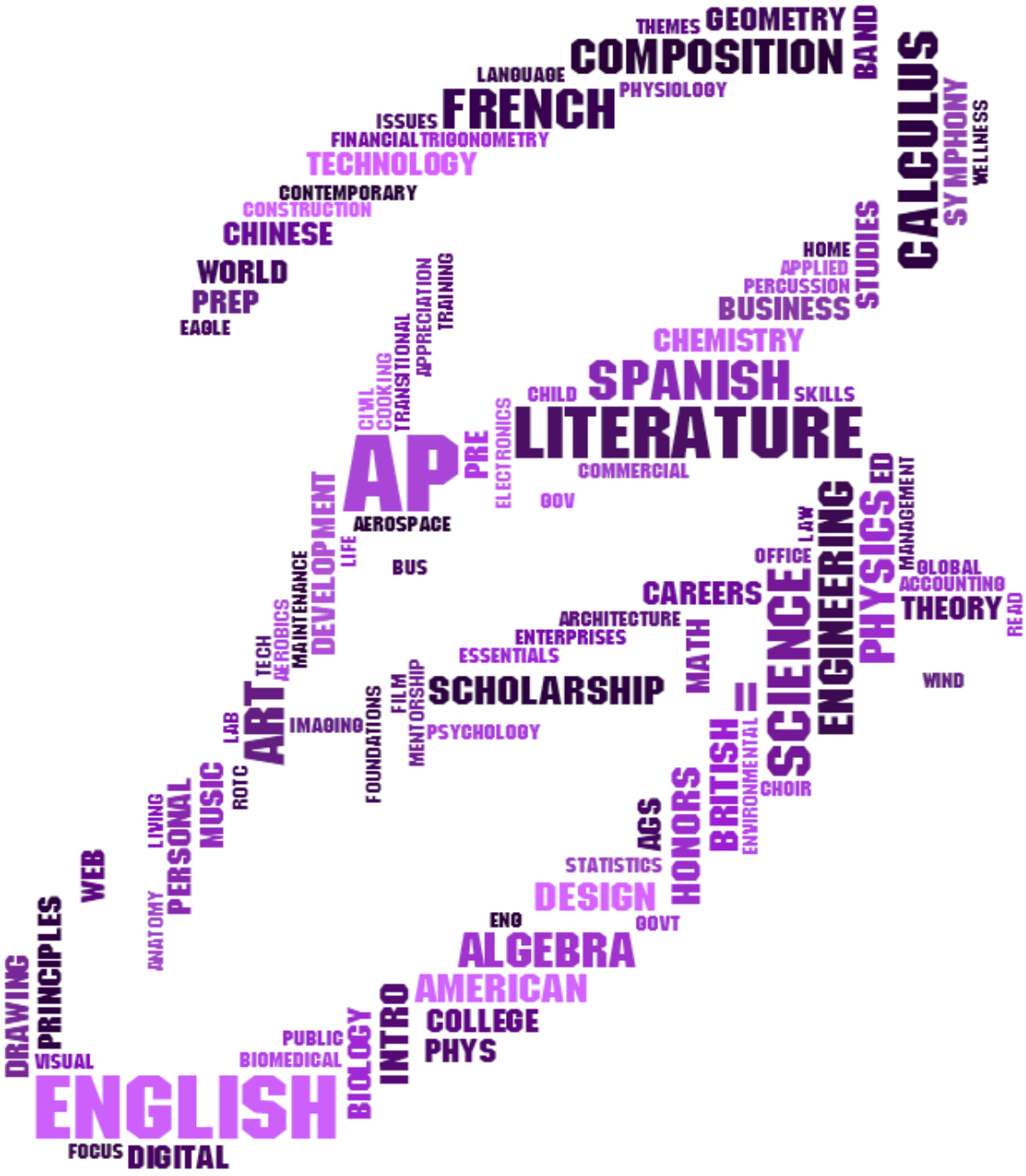
2026 - 2027

Course Selection Guide



Bellbrook High School

CONTENTS

COURSE DESCRIPTIONS

BHS CONTACTS

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Principal's Message

Dear Bellbrook High School Parents and Students,

This guide was designed to provide the necessary information for selecting the proper courses for next school year and describes, in detail, the many academic opportunities offered at Bellbrook High School. We recommend that parents and students take the time to review this information together. Careful planning and thoughtful decision-making will help build a solid educational foundation for the future. Do not hesitate to ask questions before registration. Your teachers, school counselors and administrators are here to help you select the proper classes for next year. If you have questions about specific courses, please discuss them with the appropriate teacher.

I encourage you to get involved and take advantage of all facets of our academic program. Enjoy your high school experience and best wishes for success at BHS. For your convenience, this document can also be found at http://www.sugarcreek.k12.oh.us/Scheduling.aspx

Please feel free to contact any staff member with individual questions or concerns.

Sincerely,

Dave Hann
Principal
Bellbrook High School

School Counselors' Message

Professional school counselors strive to deliver a comprehensive school counseling program encouraging all students' academic, career and social/emotional development and to help every student reach his/her full potential. At Bellbrook High School, we recognize the importance of providing each student with a complete and thorough academic preparation, as well as supporting the development of his/her emotional, interpersonal and social growth. We strive, through our programs and services, to provide timely dissemination of information and foster close working relationships among students, parents, teachers and school administrators. A partial listing of the services we provide includes:

- Guidance in career and postsecondary options
- Assistance in decision-making processes
- Acting as an advocate for the students of Bellbrook High School
- Assisting in communications between parents, students, teachers and administrators
- Identifying community resources available for families and individuals
- Sponsoring meetings and providing e-mails and mailings dispensing important information to members of our school and community
- Offering individual and group counseling services
- Providing assistance with the completion of college and scholarship applications and sending transcripts
- Maintaining student records and grade cards

Counselors are available to meet with students on a drop-in basis or by appointment. Many questions and concerns, especially of the informational type, can be answered informally without an appointment. If your assigned counselor is not available when you call or stop in, please email your counselor.

If you are new to our district and are seeking enrollment for your student, please contact Central Office, 937-848-5001, to schedule an appointment with the district registrar. Meeting at a mutually agreed upon time will allow for your family to have the attention needed to design an educational plan and to answer any questions that you may have. Page 5 of this booklet provides information on the items needed for enrollment. Having the required documents at the time of enrollment will expedite the process. After enrolling at Central Office, you will be required to meet one-on-one with your assigned counselor to finalize your schedule.

We look forward to meeting students and parents alike and working with you throughout your student's high school career.

Sincerely yours,

Debra Sanderman	**Andy Hartley**	**Khris Scohy**	**Kiki Kramer**
Counselor	Counselor	Counselor	Admin. Assistant

School Day

Each student must be scheduled for a minimum of six full periods and be passing at least five 1 credit courses (excluding PE) or the equivalent if participating in any OHSAA athletics or school activities.

Courses

Courses meet daily for 18 (semester) or 36 (year) weeks. Report cards are issued each nine weeks.

GRADUATION REQUIREMENTS

In order to graduate from Bellbrook High School, the student must fulfill **ALL** credit and course requirements and meet the requirements of *Ohio's Graduation Requirements.* Ohio Graduation Requirements

BELLBROOK ADVANCED DIPLOMA

In order to earn the Bellbrook High School Advanced Diploma students must earn a minimum of 24 credits and meet the following requirements:

English	4 credits
Math	4 credits
Social Studies	3 credits
Science	3 credits
Health (1 course)	.5 credit
PE (2 courses)	.5 credit
Fine Arts	1 credit
Personal Finance	.5 credit
Electives	7.5 credits

BELLBROOK STANDARD DIPLOMA

In order to earn the Bellbrook High School Standard Diploma, students must earn a minimum of 22 credits and meet the following requirements:

English	4 credits
Math	4 credits
Social Studies	3 credits
Science	3 credits
Health (1 course)	.5 credit
PE (2 courses)	.5 credit
Fine Arts	1 credit
Personal Finance	.5 credit
Electives	5.5 credits

Graduation with Honors

Upon graduation, students at Bellbrook High School will receive an academic classification of Summa Cum Laude (3.75-4.0), Magna Cum Laude (3.5-3.74), or Cum Laude (3.25-3.49). GPAs for Latin Honors are unweighted.

HONOR ROLL REQUIREMENTS

A three-tiered Honor Roll is published each grading period based upon the following:

1. All A's
2. Honors (A's and B's, 3.5+ unweighted GPA with no C's)
3. Honorable Mention (3.0+ unweighted GPA)

DIPLOMA OF HONORS GUIDELINES

High school students can gain state recognition for exceeding Ohio's graduation requirements through an Honors Diploma. High-level coursework, college and career readiness tests and real-world experiences challenge students.

Students must meet **all but one** of the criteria. Each of these criteria go beyond the standard requirements for a diploma. Students must meet general graduation requirements and complete the requirements outlined below to qualify for an honors diploma. Students may replace one requirement of either 4, 5 or 6 with a "Student Strength Demonstration." There are 6 honors diploma options available. Students should look at ODE's link, https://education.ohio.gov/Topics/Ohio-s-Graduation-Requirements/Contacts-and-Resources/Honors-Diplomas for the remaining requirements. Here is the criteria for the Academic Honors diploma.

ACADEMIC HONORS DIPLOMA

Requirements	State Minimum
1. Math	Fourth math must be > Algebra 2
2. Science	One additional unit Advanced Science
3. Social Studies	One additional unit Social Studies
4. World Languages	Three sequential units of one world language, or no less than 2 sequential units of two world languages studied
5. GPA	3.5 on a 4.0 scale
6. ACT/SAT	ACT: score of 27 or higher, SAT: score of 1280 or higher
7. Seal Requirement	Earn two additional diploma seals, not including Honors Diploma Seal
8. Experiential Learning	Field Experience, Ohio Means Jobs Readiness Seal*, Portfolio, or Work-Based Learning

*Students can use OMJ Readiness Seal in 2 additional seals requirement if it is not used in Experiential Learning.

Student Strength Demonstration Replacement

Students can use the Student Strength Demonstration to replace one of either the **ACT/SAT, GPA *or* World Language** requirement for any Honors Diploma. The Student Strength Demonstration options are listed below. The same options exist for each of the six honors diplomas* but, where relevant, should reflect coursework or experiences relevant to the theme of the Diploma. For example, a student earning the Academic Honors Diploma and using the College Credit Plus option to replace another requirement for the diploma should have College Credit Plus courses relevant to the Academic Honors diploma.

OPTIONS:

College Credit Plus: 12 total College Credit Plus credit hours

Advanced Placement: three courses with score of 3 or higher on AP tests

Career-Technical Assurance Guide (CTAG): 12 total credits

Apprenticeship/Pre-Apprenticeship: Completion or Evidence of Acceptance if required to be older than 18

WorkKeys: Score of 6 or higher on all tests (*void for Career-Tech Honors Diploma)

Armed Services Vocational Battery: Score of 50 or above on the ASVAB

Work-Based Learning: 250 total hours of work-based learning

New Student Enrollment

The following items are required at the time of enrollment:

1. BHS enrollment application completed and signed by the parent or legal guardian (available online at www.sugarcreek.k12.oh.us)
2. 2 proofs of residency
3. Original official birth certificate
4. Copy of current custody papers (if applicable)
5. Request for official "Transcript/Health Records" (from previous school) signed by parent

.

Bellbrook HS Grading Scale

A+	97.5-100	D+	67.5-69.4
A	92.5-97.4	D	62.5-67.4
A-	89.5-92.4	D-	59.5-62.4
B+	87.5-89.4	F	Below 59.4
B	82.5-87.4	I	Incomplete
B-	79.5-82.4	P	Pass
C+	77.5-79.4	WD	Withdraw
C	72.5-77.4	WDF	Withdraw w. F
C-	69.5-72.4		

Repeating a Course

A student is permitted to repeat a course previously passed. Credit will only be granted once; only the last grade earned will be counted in the GPA. Both grades will appear on the transcript.

College Credit Plus

Ninth through twelfth grade students are eligible to participate in the College Credit Plus (CCP) program at BHS. All students must carry the required minimum number of credits (per semester). The total number of credits will be the combination of the high school credits and the equivalent credits taken at the participating college. Credits earned through this program can be transferred to many colleges/universities. The purpose of the program is to enrich regular high school curricula and to offer the opportunity to experience college level coursework while earning college credits.

Note: Poor performance in college CCP classes may negatively affect college GPA and financial aid. Students who do not meet the minimum GPA requirements will be placed on CCP probation or dismissed from the program. Students who fail a CCP course are required to pay the cost of tuition for the failed course.

Students must complete the intent to participate and application process deadlines in order to participate. Any student applying for the fall term must have everything complete no later than the first day of school. Any student applying for the spring term must have everything complete no later than Nov 1st.

COLLEGE CLASSES AT ANY UNIVERSITY:

Ninth through twelfth grade students can enroll at an eligible postsecondary institution while still enrolled in high school. These institutions include community college, post-secondary vocational technical institutions, state universities, and many private colleges and universities.

Program Eligibility: The student must be accepted by the college. It is the student's responsibility to meet the college's application and enrollment deadlines. Each college has specific admission requirements and deadlines that MUST be met.

COLLEGE CLASSES AT BELLBROOK HIGH SCHOOL:

Designated courses allow students to complete college credit while simultaneously earning high school credit. These courses are taught on the BHS campus by BHS staff members as adjunct faculty. Students must meet qualification criteria set forth by the partner university. Prerequisites and credit hours vary by course. Students must complete an application and registration paperwork for each course. These courses are negotiated with the colleges each year, based on staff and enrollment.

CLASS WEIGHTING SYSTEM:

Weighted values are given to certain classes with designated grades as stated below. These weighted values will accumulate from grade 9 through 12. Post-secondary classes are weighted at Level III. **Weighted GPA is INCLUDED ON FINAL TRANSCRIPT.**

LEVEL 1 (4.0)

All other subjects NOT listed in Level 2 or Level 3

LEVEL 2 (4.5)

English 9 Honors
English 10 Honors
French 3*, 4*
Spanish 3*, 4*
Schol Alg 1
Schol Geometry
Schol Alg 2
Schol Physics
JROTC 4
Art 4

***if not taken as college credit plus**

LEVEL 3 (5.0)

AP English Literature
AP English Language
AP PreCalculus
AP Calc AB
AP Calc BC
AP Statistics
AP Music Theory
AP Computer Science A
AP Computer Science Principles
AP Cybersecurity
AP Biology
AP Environmental Science
AP Chemistry
AP Physics
AP US History
AP US Government
AP Psychology
Supply Chain Management **
Spanish 3**, 4**
French 3**, 4**

**** If taken as college credit plus**

In accordance with Ohio law, career-technical education courses that meet the criteria of the Career-Technical Assurance Guide (CTAG) or the Industry Recognized Credential Transfer Assurance Guide (ITAG) shall receive weighted grades consistent with LEVEL 3.

WEIGHTED SCALE:

GRADE	4.0 SCALE	4.5 SCALE	5.0 SCALE
A	4.00	4.50	5.00
A-	3.67	4.17	4.67
B+	3.33	3.83	4.33
B	3.00	3.50	4.00
B-	2.67	3.17	3.67
C+	2.33	2.83	3.33
C	2.00	2.50	3.00
C-	1.67	1.67	1.67
D+	1.33	1.33	1.33
D	1.00	1.00	1.00
D-	0.67	0.67	0.67
F	0.00	0.00	0.00

State Testing

OHIO END OF COURSE EXAMS (EOC)

All students will take end of course exams in Algebra I, Geometry, ELA II, Biology, American History and US Government. Students must earn a passing score on Algebra I and ELA II, as well as meet additional guidelines outlined by the State of Ohio, including earning graduation seals.

STATE-FUNDED ACT

In addition, all 11th grade students are given the opportunity to take the ACT test during a selected school day, funded by the State.

Schedule Change Policy

Courses chosen during the scheduling process in the spring are treated as final selections. Several factors are considered when making student schedules; number of faculty required to offer courses, number of times to offer class, number of books and supplies to order. These factors are based on the number of students registered for the class. Therefore, we cannot make schedule changes after the schedule is established. Any requests for schedule changes initiated by students or parents must be accomplished before the course begins. Schedules will not be changed for social reasons or for requesting a specific teacher. Schedule changes will ONLY be made for the following reasons: 1) computer error, 2) pre-requisite failure, or 3) administrator directive.

Withdrawal from a Course

From the first day of school up to and including 6 weeks, a student may withdraw from a course and add a study hall, provided that the student will still be enrolled in 6 units. After 6 weeks, a WDF will be placed on the student's transcript. Any other requests will be determined by the administrators on an individual basis.

NCAA Initial Eligibility

Any student planning to enroll as a freshman in college and wishing to participate in Division I or Division II athletics must be certified by the NCAA Initial Eligibility Clearinghouse. The Clearinghouse ensures consistent application of the eligibility rules at all member institutions. Students must access the website www.eligibilitycenter.org to receive instructions and forms and review a list of NCAA approved courses.

Foreign Exchange Students

Exchange students are eligible for acceptance as students at Bellbrook High School, pending administrative approval. All exchange students will receive a Certificate of Attendance. Bellbrook High School will accept no more than 2 exchange students per academic year.

Credit Flexibility

Credit flexibility applies to any alternative coursework, custom learning activity, assessment and/or performance that demonstrates proficiency qualified to be awarded equivalent credit toward graduation as applied for and approved in advance by the district, per board policy. Any interested student must submit a Credit Flexibility Plan Proposal for consideration by the Credit Flexibility Committee (Deadline Nov 1st for spring semester and May 1st for the summer or fall semester).

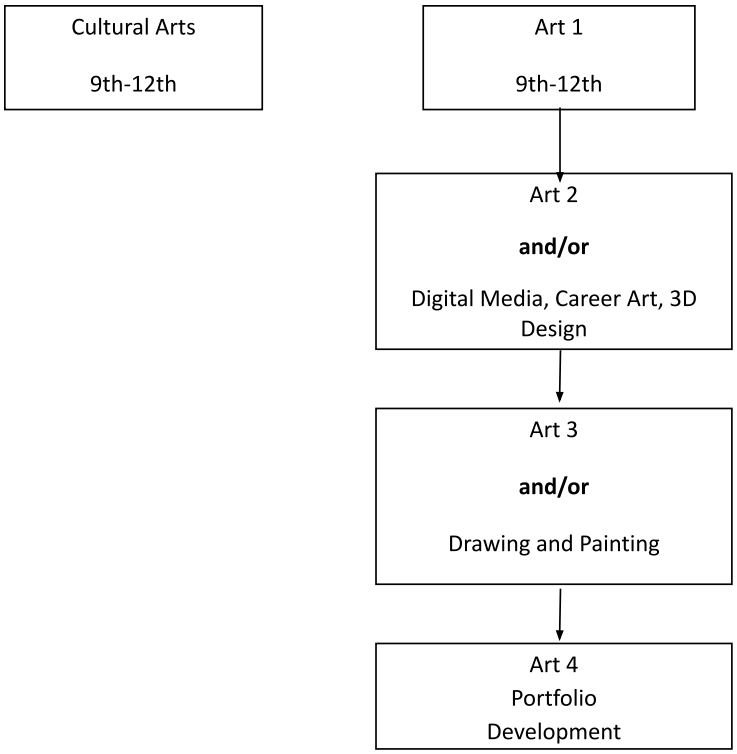
Courses by Department:

Art Department

1 credit of fine art required for graduation

Course	Credit	Level	Prerequisites	Fee*
Art 1	½	9-12	None	$20
Art 2	½	9-12	Art 1	$20
Art 3	1	10-12	"B" in Art 2 and teacher rec	$20
Art 4	1	11-12	"B" in Art 3 and teacher rec	$25
Cultural Arts	½	9-12	None	$20
Digital Media	½	10-12	Art 1 or Teacher recommendation	$30
Drawing and Painting	½	10-12	Art 1 & Art 2 or Teacher rec.	$20
Career Art	½	10-12	Art 1	$25
3D Design (new course)	½	10-12	Art 1	$30

***Fees board approved in May**



Art 1

This is an introductory course to the visual arts. The content covers a variety of concepts and drawing media, painting and color theory, art elements and principles of design, ceramics and techniques in perspective. Students learn about famous artists and influential art movements.
This course is a prerequisite course for Art 2, Drawing and Painting, Career Art, and Digital Media classes.

Art 2

This course is designed to further develop the concepts and skills learned in Art 1 and is available for second level art students. Students will use the skills and techniques learned previously to enhance artwork in two and three-dimensional projects using a variety of different media. The two-dimensional media includes graphite, charcoal, pastels, colored pencil, acrylic, watercolor, and ink techniques. Three-dimensional work explored in this class includes ceramics, and non-traditional sculpture materials. The students will develop an ability to make effective choices concerning media, techniques, subject matter, methods of interpretation, and compositional design.
This course is a prerequisite for Art 3.

Art 3 & 4

These courses are meant for advanced art students who have completed Art 1 and Art 2. Skills learned in Art 1 and Art 2 are incorporated and enhanced through these courses. Each student will use their prior knowledge in the previous courses to investigate more thoroughly two-dimensional and three-dimensional projects, while working on their art portfolios. Students must show initiative and good work habits in addition to being interested in art.

Cultural Arts

This course focuses on the arts and crafts within different world cultures.
Cultures include: Aboriginal, Maori, Japanese, Chinese, Tibet, Mexican, and Native American.
Mediums used: Clay, yarn, watercolor, paper mache, acrylic paint, colored pencil, printing, and wire.

Digital Media

This course will include: *History of Photography* (Camera obscura, film, and digital), *Photo Editing* (White balance, contrast, exposure, tuning, vignettes, toning), *Social Media* (Students will design a brand and manage this brand on social media by creating a social media strategy. Ethics, responsibility and the relationship between social media and society will also be discussed.) and *Video* (Storyboarding, shooting, editing, presentation and formal critique).

Drawing and Painting

This course will focus on developing the students drawing and painting skills. A variety of media will be used to give the student a more in depth study of both drawing and painting. Many pieces will be able to be incorporated into an art school submission portfolio. This course is meant for serious art students that are considering pursuing a career in the field of art.

Career Art

This semester course is designed to expose students to careers related to visual arts, grow creativity, and develop communication skills through writing and talking about art. In this course students will explore visual arts related careers such as tattoo artist, cake designer, food truck operator, fashion designer, comic book artist, graffiti artist, graphic designer, SFX artist, jewelry designer, and more!

3D Design

3D Design is a hands-on, project-based art course in which students explore three-dimensional forms through sculptural media such as clay, wire, found objects, plaster, wood, and cardboard. Students will develop both technical and conceptual skills as they learn to transform ideas into physical structures. Emphasis is placed on craftsmanship, problem-solving, creative risk-taking, and understanding how form, space, and structure communicate meaning.

Business Department

.5 credits Personal Finance required for graduation

Courses	**Credit**	**Level**	**Prerequisites**	**Fee***
Computer Essentials	½	9-10	None	None
Business Foundations	½	9-10	None	None
Microsoft Office	½	10-12	Keyboarding skills	$35
Web Design I	½	9-12	None	None
Web Design II	½	9-12	B- or better in Web 1	None
Personal Financial Literacy	½	9-12	None	None
Bus. & Personal Law	½	10-12	None	None
Accounting I	½	10-12	None	$35
Accounting II	½	10-12	C+ or better in Acct. 1	$35
Supply Chain Mgmt.**	½	11-12	None	$15
Economics	½	11-12	None	None
PBL Marketing	½	11-12	None	$5

CCP Option Course

Approximate Cost

Introductory Business Courses (9-12th Grade)

Business Foundations	Computer Essentials	Personal Financial Literacy

Advanced Business Courses (10-12th Grade)

Accounting I (10-12) ↓ Accounting II (10-12)	Business & Personal Law (11-12)	Economics (11-12)	Microsoft Office (10-12)	Supply Chain Mgmt. (11-12)	Marketing (11-12)

Web Design Courses

Web Design I (9-12) ↓ Web Design II (9-12)

Computer Essentials

This class will improve the student's current keyboarding skill level as well as instruct students in file management skills for the computer, basics of word processing, spreadsheets, presentation software, multimedia software and skills in using the Internet. This class is for students who feel they need to improve their basic keyboarding and computer skills.

Business Foundations

This course introduces students to many facets of the world of business, management, finance, and marketing. Study areas include our economic system, entrepreneurship, management, marketing, and the global marketplace. Many activities will be computer based. Students will use a computer simulation on entrepreneurship to experience running a small business. This course is designed to explore business as a career path. *While it is not a prerequisite, it is suggested that this course be taken prior to enrolling in any college prep business class.*

Microsoft Office

Students will learn the core skills for Word (word processing), Excel (spreadsheets), Access (database), and PowerPoint (presentation) software applications. This is a "must" class for today's students who are expected to have basic computer skills as they progress from high school to college or the workplace. Students must be able to follow directions, pay attention to detail, and work independently. *While it is not a prerequisite, it is suggested that Computer Essentials be taken prior to enrolling in this class.* This course will prepare students for the Microsoft Office Specialist (MOS) Exams (this is optional and is not included in the course).

Web Design I

This semester-long course will build the foundation and coding skills needed to create websites utilizing Hypertext Markup Language (HTML) and Cascading Style Sheets (CSS). Students will also learn how to use a visual web editor.

Web Design II

Students who have successfully completed Web Design I will extend their knowledge in this subject. Students will focus on creating standards-based, responsive websites that are accessible. *Prerequisite: B or better in Web Design 1.*

Personal Financial Literacy

This *State of Ohio Graduation Requirement* is a semester course that will build understanding in fundamental areas necessary to develop sound habits developing and protecting personal wealth. Topics covered are: Working and Earning, Budgeting, Banking, Saving and Investing, Credit, and Insurance.

Business and Personal Law

Learning about the law is a part of learning about life in our complex society. Laws that affect us in our everyday lives and in our jobs are expanding and changing more than ever before. Whether or not the pursuit of a business-related career is our goal, as a future worker and consumer in society, we should have a basic understanding of our legal system and civil, criminal, and contract law. This course helps students identify legal issues and problems that arise in everyday situations, such as commercial, consumer, and landlord/tenant issues. This is a challenging, college preparatory class.

Accounting I

Accounting is the language of business. This semester class introduces basic accounting procedures used in the operation of a business. Material presented in this class provides a foundation for students who plan on pursuing a business major in college or working in a business office. The accounting cycles for a sole proprietorship service business are covered. In addition to working papers, students use Excel and an automated accounting program that gives the "look and feel" of software used in business today. This is a college prep class and is an excellent foundation for college-bound business or accounting majors.

Accounting II

The second semester accounting class continues basic accounting for a retail merchandising corporation and accounting control systems. Computerized accounting is stressed and the course includes a business simulation done with accounting software. This class is an excellent springboard for college-bound business or accounting majors or as skill preparation for an accounting clerk or general office/secretarial position. *Prerequisite: C+ or better in Accounting 1.*

Economics

This course will include topics of but is not limited to, the following: economic systems, private and public sector issues, economic indicators, international trade, supply, demand and the impact of market forces on them. This is a challenging, college preparatory class.

*Supply Chain Management***

This course provides an in-depth study of Supply Chain Management (SCM) functions and the application of effective SCM strategies and practices to achieve improved operations in manufacturing and service organizations. It focuses on analysis of real-world SCM challenges, strategies and techniques. **This is a College Credit Plus (CC+) class.

Project-Based Learning (PBL) Marketing

This Project-Based semester course will expose students to marketing principles and provide opportunities for students to engage in real-world, hands-on marketing projects where they propose solutions to real community problems. This course will focus on student collaboration within the class, with school-wide peers, and community members. Opportunities will be provided for students to consult with experts in the field of marketing, social media and entrepreneurship.

Computer Science Department

(each Computer Science course counts as a Math elective credit)

Computer Science courses offered at Bellbrook High School fall into two categories: computer science principles and computer science programming. Students who have successfully completed a principles course will graduate with a functional level of computer literacy. These students will also be able to think computationally, including the ability to decompose a problem, recognize patterns in data, use abstraction, and develop algorithms. Students who have successfully completed a programming course will graduate with the ability to analyze problems and then design, develop, and test an algorithmic solution using an iterative process.

While Computer Science courses count as a Math elective, it is highly recommended that all students take a math course for all four years of high school in order to meet the math graduation requirement. Pre-engineering students (PLTW) should consider including AP Computer Science A in their course of study. Seniors who are tech savvy and are interested in a STEM related career might be more interested in Game Development & Multimedia Programming. ALL students are recommended for one of the Computer Science Principles courses (Intro to CyberSecurity, AP Cybersecurity, or AP Computer Science Principles).

Course	**Credit**	**Level**	**Prerequisites**	**Fee**
Intro to Python Programming	½	9-12	none	none
Intro to Cybersecurity	½	9-12	Algebra 1	none
Game Development & Multimedia Programming	1	9-12	none	none
AP Computer Science Principles	1	9-12	Algebra 1	none
AP Computer Science A	1	11-12	Algebra 1	none
AP Cybersecurity	1	10-12	Algebra 1	none
Advanced Game Development	1	11-12	AP CS A or AP CS Principles	none

Intro to Python Programming- Semester

Intro to Python Programming is a beginner-level course designed for students with little to no prior coding experience. This course introduces the fundamentals of programming using Python, a versatile and user-friendly language widely used in various fields such as web development, data analysis, artificial intelligence, and more. Students will learn core concepts such as variables, data types, conditional statements, loops, and functions. Hands-on activities and projects will emphasize problem-solving and computational thinking while fostering creativity and logical reasoning. By the end of the course, students will have built a strong foundation in programming, enabling them to create their own simple programs and prepare for more advanced studies in computer science.

Intro to Cybersecurity - Semester

This course provides an introduction to the principles and practices of cybersecurity. Students will learn about the importance of cybersecurity, the various types of cyber threats, how to protect systems and data, and the ethical considerations involved in cybersecurity. The course includes hands-on activities, discussions, and projects to reinforce theoretical knowledge with practical skills.
Students should only consider this class if they have successfully completed Algebra 1.

AP Computer Science A

The AP Computer Science A course is designed to be comparable to a college/university level, entry year computer science class using the JAVA programming language and will prepare students for the AP Computer Science A Exam. This course is specifically recommended for students planning to pursue a degree/career in a STEM related field. Students can earn credit from over 1800 colleges and universities* for a comparable first-year computer science course. Specific topics being covered include Object Oriented Programming, Advanced Control Statements, Searching and Sorting Algorithms, Arrays and ArrayLists, and Recursive Algorithms. Students taking this course should be "College Ready" and should be prepared for the pace and rigor of a college-level course.
* For a list of colleges and universities that accept APCSA, visit
https://apstudents.collegeboard.org/getting-credit-placement/search-policies/course/8

AP Computer Science Principles

AP Computer Science Principles is a multidisciplinary course designed to introduce students to the creative aspects of technology and the uses of technology within ALL areas of study. This course prepares students for the AP Computer Science Principles exam. Students can earn credit from over 1300 colleges and universities* for the required first-year general education computer science course. Topics include algorithmic thinking, “Big Data”, the Internet, cybersecurity concerns, and more. This course is recommended for students in grades 9-12. Students taking this course should be "College Ready" and should be prepared for the pace and rigor of a college-level course.
* For a list of colleges and universities that accept APCSP, visit
https://apstudents.collegeboard.org/getting-credit-placement/search-policies/course/42

Game Development and Multimedia Programming

Game Development and Multimedia Programming is designed for students who want to learn how to write computer code and who are interested in game development and multimedia applications. Students will learn the basics of the JavaScript programming language, and then apply the skills they have learned to develop computer games including graphics and music.

Advanced Game Development

Advanced Game Development is available to any student who has successfully completed either AP Computer Science A and/or AP Computer Science Principles. In this course, students will apply the knowledge learned in the AP courses while developing practical skills that will be required in a university or industry environment. Students will brainstorm original ideas, develop and propose an implementation plan for a project, work collaboratively with a partner/team to implement the project using professional quality game development tools, and present project results to a panel of reviewers. ***Successful completion of AP Computer Science A and/or AP Computer Science Principles is REQUIRED for enrollment into this course.***

AP Cybersecurity

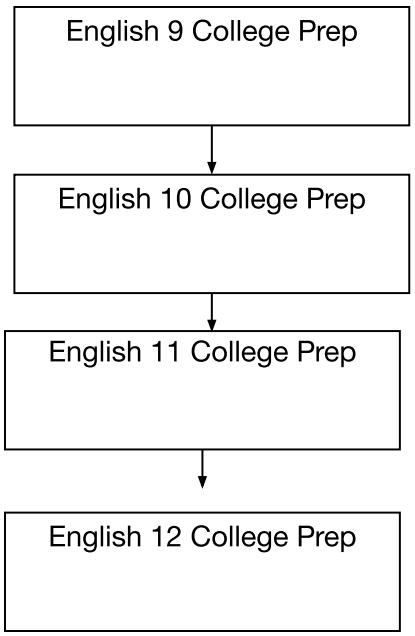
AP Cybersecurity is a broad introduction to the field of cybersecurity that aligns closely with a standard first year college introductory cybersecurity course. Students learn about common threats and vulnerabilities, and how those combine to create risk. Students study the ways that individuals and organizations manage risk, and how risk can be mitigated through a defense-in-depth strategy. Students explore specific vulnerabilities, attacks, mitigations, and detection measures across a variety of domains including physical spaces, computer networks, devices, and data and applications. Throughout the course, students consider the impact of cybersecurity on individuals, organizations, governments and societies. **AP Cybersecurity is an "AP Career Kickstart" course. Students who earn a qualifying AP Exam score can earn credit at colleges at universities, as well as a credential they can apply toward further training or in the workforce.** *Students considering this course should be "College Ready" and should be prepared for the rigor and pace of a college-level course.*

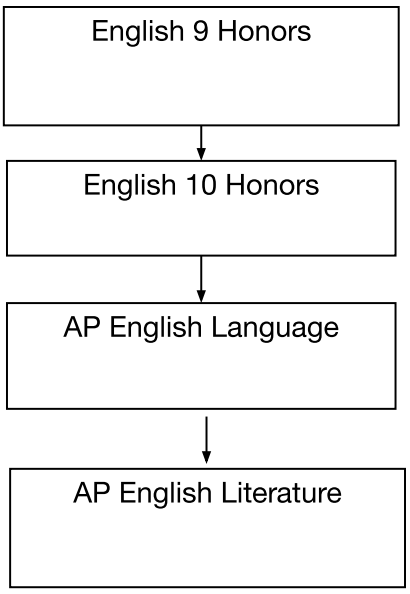
English Department

4 Credits required for graduation

Courses	Credit	Level	Prerequisites	Fee*
English 9/ 9 CP	1	9	Teacher recommendation for Eng 9	none
English 9 Honors	1	9	Teacher recommendation and summer reading	none
English 10/ 10 CP	1	10	Teacher recommendation for Eng 10	none
English 10 Honors	1	10	English 9 Honors, teacher recommendation and summer reading	none
English 11/11 CP	1	11	Teacher recommendation for Eng 11	none
AP English Language	1	11	English 10 Honors and college ready test scores	none
English 12/12 CP	1	12	Teacher recommendation for Eng 12	none
AP English Literature	1	12	AP English Language, or English 11-CP teacher recommendation and summer reading	none

Approximate Cost





English 9 CP

This course includes reading selections that explore a variety of engaging themes through various genres including speeches, poems, dramas, essays, short stories, novels, and multimedia selections. Composition skills include narrative, short literary analysis, informational non-fiction, and source-based argument. Test preparation strategies and skills will also be covered.

English 9 Honors

Students who plan to take the AP courses in the 11th and 12th grades should take this course. In addition to the regular 9th grade curriculum, a strong emphasis is placed on reading and analyzing full works beyond the text excerpts. An introduction to the analytical writing skills required of AP students is also provided. Teacher recommendation is required.

English 9

English 9 will focus on Ohio's Learning Standards for ELA standards. Students will be exposed to a variety of literary and informational texts with an emphasis on improving reading skills and vocabulary. Writing instruction will focus on informational and explanatory tasks. Additional scaffolding will be used to support students' development of writing skills.Test preparation strategies and skills will also be covered.
Prerequisite: Teacher recommendation

English 10 College Prep

This course includes reading selections that explore a variety of engaging themes through various genres including speeches, poems, dramas, essays, short stories, novels, and multimedia selections. World and European literature are highlighted. Students will write a variety of essays including narrative, argument, informative and synthesis, as well as practice research skills.

English 10 Honors

This course is a continuation of pre-AP preparation with World and European literature and non-fiction as basic sources. Students will engage in a variety of themes and genres including speeches, dramas, short stories, novels, and film. Students will write a variety of essays including narrative, argument, research, and synthesis, along with a continued study of literary analysis. Teacher recommendation and English 9 College Prep or Honors are required.

English 10

English 10 will focus on Ohio's Learning Standards for ELA. This course includes reading selections that explore a variety of engaging themes through various genres including speeches, poems, dramas, essays, short stories, novels, and multimedia selections. The emphasis will be on improving reading skills and vocabulary. Writing instruction will focus on informational and explanatory tasks. Additional scaffolding will be used to support students' development of writing skills. Test preparation strategies and skills will also be covered.
Prerequisite: Teacher recommendation

English 11 College Prep

Junior English is an American literature and composition course that continues and adds to college readiness skills. Reading selections cover major literary and historical movements, and are based on classic American essays, poems, journals, short stories, novels, and multimedia/film. Students will write a variety of essays including narrative, argument, and synthesis, including a comprehensive research paper.

*AP English Language**

The AP English Language and Composition course focuses on the development and revision of evidence-based analytic and argumentative writing, the rhetorical analysis of nonfiction texts, and the decisions writers make as they compose and revise. Students evaluate, synthesize, and cite research to support their arguments. Additionally, they read and analyze rhetorical elements and their effects in nonfiction texts—including images as forms of text— from a range of disciplines and historical periods. An AP English Language and Composition course cultivates the reading and writing skills that students need for college success and for intellectually responsible civic engagement. The course guides students in becoming curious, critical, and responsive readers of diverse texts and becoming flexible, reflective writers of texts addressed to diverse audiences for diverse purposes. The reading and writing students do in the course deepens and expands their understanding of how written language functions rhetorically: to communicate writers' intentions and elicit readers' responses in particular situations.

College Course Equivalent: The AP English Language and Composition course aligns to an introductory college-level rhetoric and writing curriculum.

Prerequisites:

Students should be able to read and comprehend college-level texts and write grammatically correct, complete sentences. At BHS, teacher recommendations are based on an A average in English 9 and 10 (Honors preferred) and standardized test scores.

English 11

English 11 will focus on Ohio's Learning Standards for ELA. This course includes reading selections that cover major literary and historical movements and are based on American essays, poems, journals, short stories, novels, and multimedia/film. The emphasis will be on improving reading skills and vocabulary. Writing assignments may include narratives, argument essays, research projects, and literary analysis tasks. Additional scaffolding will be used to support students' development of writing skills.

Prerequisite: Teacher recommendation

English 12 College Prep

English 12-CP is a yearlong class designed for college- bound seniors. This combined literature and composition class will stress concepts and skills needed for collegiate success. Readings will cover a variety of classic and modern works. Writing assignments will cover essay responses, research writing, college entrance essays, and a continuation of previous literary analysis.

*AP English Literature and Composition**

This course is, first and foremost, a critical thinking class which seeks to give students analytical tools as well as transferable skills for college and career readiness. This class is designed for students who exhibit above average ability and exceptionally high interest in English and who have demonstrated exemplary achievement and ability to work independently.

The AP English Literature and Composition course focuses on reading, analyzing, and writing about imaginative literature (fiction, poetry, drama) from various periods. Students engage in close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, and symbolism. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works. AP English Literature and Composition aligns to an introductory college-level literature and writing curriculum.

AP Lit. students are required to read selected works over the summer which will be useful for the class and/or the AP test. Students who are unable to complete the summer reading will not be allowed to take the class.

*Prerequisite: Teacher recommendation and an A or B average in AP English Language or an A or B+ average in English 11-CP are highly recommended.

English 12

English 12 will focus on Ohio's Learning Standards for ELA. Readings will cover a variety of classic and modern literature as well as practical nonfiction texts. The emphasis will be on improving reading skills and vocabulary. Writing assignments may include essay responses, research writing, college entrance essays, career planning tasks, and a continuation of previous literary analysis. Additional scaffolding will be used to support students' development of writing skills. Prerequisite: Teacher recommendation

Special Note on Summer Reading…The English Department will only require Summer Reading for Honors and AP for the 2025-2026 school year. Please listen for announcements and/or check the school website for information.

English Department Electives

May not be used to meet the graduation requirements of 4 credits

Course	Credit	Level	Prerequisites	Fee*
Public Speaking	½	9-12	None	None
Yearbook	1	10-12	Teacher rec/application	None
Journalism	½	10-12	Teacher rec./application	None
Intro. to Film Appreciation	½	11-12	None	$5
Young Adult Literature	½	9-12	None	Cost of Books

**Approx. Cost*

Public Speaking

This semester course provides experiences in which the student will gain poise and confidence as he/she learns the basic elements of vocal and physical delivery skills, speech content and organization, informal and impromptu speaking, extemporaneous speaking, demonstrations, oratory and persuasion, group discussion and debate. This foundation in public speaking class may be taken at any time in the student's high school experience. Student performance is stressed.

Yearbook

This year-long course will produce the yearbook. Course work involves writing, computer skills, photography and design. ***Students are accepted by application only.***

Journalism

This semester course produces the school online newspaper and, depending on student interest, a school podcast. Students work as a staff to learn and apply journalism concepts in writing and media production. They also discuss and analyze current events and media. Students can participate in the journalism staff for multiple semesters but must apply each year.

Introduction to Film Appreciation

This one semester class will introduce students to the language of film, including the literary, dramatic, and cinematic aspects. Students will study various genres and view movies from the early age of cinema to the present day. Discussion, written responses, and a paper are required of all students. This class is open to juniors and seniors only.

YA Literature

This semester-long course acts as a supplement to students' required English classes. It is designed to increase the level of student reading as well as their engagement with and analysis of texts. The class uses contemporary Young Adult Literature (YA) novels to study important literary concepts and practice skills. Assignments include projects, presentations, seminars, and written responses. Students will be responsible for obtaining their own books.

Family and Consumer Science Department

Courses	Credit	Level	Prerequisite
Culinary Fundamentals	5/8	9-12	None
Global Foods	5/8	9-12	Culinary
Nutrition and Wellness	5/8	9-12	Culinary
Personal Wellness (Adulting 101)	5/8	9-12	None
Child Development	5/8	9-12	None
Interior Design, Furnishings and Management	5/8	9-12	None

** There are no fees for GCCC courses

Family and Consumer Science courses will empower individuals to take action for the well-being of themselves and others in the home, workplace and community. The students will learn how to manage the challenges of living and working in a diverse global society, while developing competences for problem solving, financial literacy, and relationship building. Interpersonal skills, citizenship and leadership are also explored along with the concept of balancing work and family. The material covered in these courses provides a foundation for all career fields. Students will be required to participate in a **Culminating Course Project** (Action Project) where the student will demonstrate content knowledge by applying the course material to their home, career and community. Students may have fees attached to their classes if they would like to participate in FCCLA.

Culinary Fundamentals

In this course, students will apply fundamental culinary techniques, such as knife handling skills and the recognition, selection and proper use of tools and equipment. An emphasis will be placed in mise en place, the management of time, ingredients and equipment. Students will apply standard recipe conversions using proper scaling and measurement techniques. *This is a prerequisite for Global Foods and Nutrition and Wellness.

Global Foods

In this course, students will compare cuisines, ingredients and preferred cooking methods of various cultures. The influence of traditions and regional and cultural perspectives on food choices and culinary practices will be emphasized. Students will examine the ideas and conditions that affect the availability and quality of food in the global market, and apply advanced cooking techniques, including the use of specialty and advanced equipment in the preparation of food dishes. *Students must take and pass Culinary Fundamentals before taking this course.

Nutrition and Wellness

In this course, students will use principles of nutrition to ensure a healthy body throughout the lifecycle. An emphasis will be placed on planning and preparing meals with an understanding of nutrients and their benefits, portion control and dietary needs. Additional information will include steroid and supplemental use, body weight management and the implementation of physical activity to maintain a healthy lifestyle. *Students must take Culinary Fundamentals before taking this course.

Personal Wellness (Adulting 101)

In this course, students will analyze personal, physical, emotional, social, and intellectual growth for a healthy lifestyle. An emphasis will be placed on lifespan wellness by managing stress through relaxation, physical activity and sleep. Additional topics will include human growth development, mental health management, personal hygiene and preparing for emergency medical situations.

Child Development

In this course, students will study the principles of child growth and development throughout the lifespan. An emphasis will be placed on intellectual, physical, social and emotional development. Additional topics will include childhood diseases, immunizations, and theories of development, learning styles and evaluating childcare services.

Interior Design, Furnishings and Management

In this course, students will examine design principles used in residential interiors. An emphasis will be placed on incorporating anthropometrics, ergonomics and psychological responses. Additional topics will include the selection and organization of furnishings, floors and wall coverings in living spaces, kitchens and baths.

Health & Physical Education Department

1 credit required for graduation

Courses	Credit	Level	Prerequisites	Fee
Health	½	9-12	None	$8.00
Sports & Fitness	¼	9-12	None	None
Mind & Body Wellness	¼	9-12	None	None
Speed and Agility	¼	9-12	None	None
Strength Training	¼	9-12	None	None
Girls' Strength Training	¼	9-12	None	None
Dance	¼	9-12	None	None

Health

This course is required of all students. It includes material which will help the student mature physically, mentally, and socially. All students are taught Adult CPR/AED.

**In order to comply with the Ohio Department of Education, all Physical Education students will complete the Physical Education Academic Content Standards & Assessments.*

Sports & Fitness

Students will focus on developing an appreciation of fitness while participating in fitness-related activities and team & lifetime-based sports. The fitness activities will emphasize the following components of fitness: Cardiovascular Fitness, Muscular Strength & Endurance, and Flexibility. Students will improve personal fitness through activities that will enhance student knowledge of these fitness components. Fitness units include, but are not limited to: stations, weightlifting, strength & cardio circuits, yoga, and a walking program.
Students will also learn the skills necessary to become successful participants in invasion games and lifetime activities with a focus on sport-specific strategies, skills, and personal responsibility. Sports include, but are not limited to: pickleball, lacrosse, 3 on 3 basketball, floor hockey, team handball, badminton, soccer, flag football, & archery. *

Strength Training

This course will give students the necessary knowledge and skills to effectively implement a weight exercise program for life. The students will learn different types of training, the muscles that are involved, and the biological changes that occur. This class will meet every day for one semester. *

Girls Strength Training

This course will give students knowledge, proper etiquette, technique, and routine of a weight exercise program. This class will assist students in improving their posture and increasing muscular strength and flexibility. This class will meet every day for one semester. *

Speed and Agility Training

This course will give students the opportunity to develop and enhance their speed, agility, coordination, and footwork with daily speed and agility exercises. This course will also incorporate flexibility training to improve total range of motion. This class will meet every day for one semester. *

Dance

Dance class is designed for those that enjoy dance and want to get into shape. It will include dance, dance technique, and dance aerobics. This class will enhance physical and mental strength as well as balance and coordination. Students will choreograph several dance routines throughout the semester. They will also participate in a performance at a school function. Dance will meet every day for one semester. *

Mind & Body Wellness

This course will allow students to focus on the mind-body connection for achieving wellness. It will introduce the fundamentals of yoga and pilates to incorporate a daily practice. This class will also introduce and practice Meditation. This course will allow students to practice mindfulness while increasing strength and flexibility. The combination of Yoga, Pilates, and Meditation will encourage students to continue on a path to lifelong wellness. Mind & Body Wellness will meet every day for one semester. *

Leadership Development

This course will give students the opportunity to learn, develop and exhibit effective leadership traits. The students will learn habits, traits, routines and practices used by highly effective leaders from required readings, group activities, discussions, presentations, and guest speakers. This class will meet every day for one semester.

Physical Education Waiver Option

This PE waiver is available to students (grades 9-12) participating in Bellbrook High School Interscholastic Sports, Cheerleading, the Marching Band/Flag Corp, and JROTC. Daily participation paralleling an official sport season must be successfully completed and approved by each respective coach/director.

To qualify for the Physical Education Waiver, a student must complete two full-seasons in one or more qualifying activities. Once successfully completed, the two Physical Education classes (1/4 credit each) required to meet BHS graduation requirement will be waived. Additionally,

- A student cannot mix one PE class with one activity to meet the BHS graduation requirement. A student must successfully complete two activities or successfully complete two PE classes to meet the graduation requirements.
- No credit is earned toward graduation requirements for participation in the activities. Students opting for the PE waiver will be required to fulfill the minimum 24 credits for graduation by successfully completing another class offering.
- The PE waiver does NOT include Health. All students are required to successfully complete Health class to meet the graduation requirements.

Frequently Asked Questions

For Physical Education, may other activities (non-school-sponsored athletics, etc.) which involve physical activity on the part of students be counted toward two semesters of physical Education?
No. Ohio Revised Code specifically limits the participation to interscholastic athletics, marching band, cheerleading, or JROTC. There is no authority granted to a board of education to include any additional participation.

Are there any other requirements students must meet beyond the two full seasons of participation in interscholastic athletics, marching band, cheerleading, or JROTC?
Yes. Excused students also must complete one-half unit in another curricular area. While one-half unit of Physical Education requires a minimum of 120 hours of instruction, one-half unit in all other curricular areas requires a minimum of 60 hours of instruction.

For Physical Education, what is the impact of being "cut", quitting, or being injured and unable to play?
Ohio Revised Code requires participation "for at least two full seasons". The season during which a student was "cut" or quit the activity, or injured and unable to participate could not be used to fulfill the two season requirement.

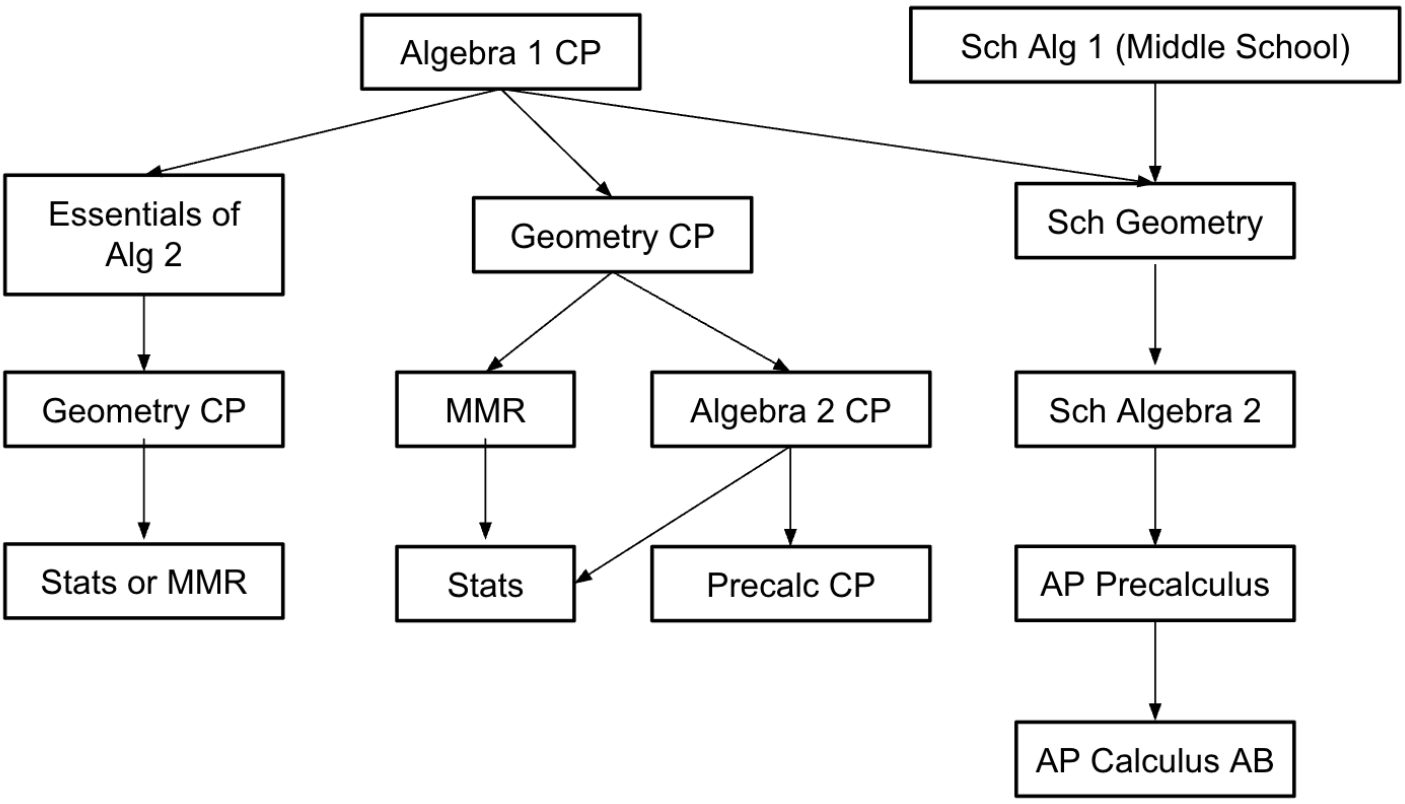
If a student participates in only one full season of an approved activity, can the student be excused from .25 units of Physical Education and thus have taken only .25 units of Physical Education to complete his or her Physical Education graduation requirement?
No. Ohio Revised Code requires participation for at least two full seasons. There is no provision in the law that would permit any type of partial excuse.

Mathematics Department

4 credits required for graduation

When selecting which course is the best fit for a student, math teachers take into consideration such factors as a student's grade, his/her work ethic and study skills, and grades in prior math courses. We understand that sometimes families decide to override the math teacher's recommendation. Unless a student is credit-deficient or unless there is an extenuating circumstance, students will not be permitted to take two year-long math courses simultaneously. Parents are encouraged to meet with their child's math teacher to discuss course placement, if there is a concern or question.

Courses	**Credit**	**Level**	**Prerequisites**	**Fee**
Algebra 1 CP	1	9	None	None
Geometry CP	1	9-10	Algebra 1 CP	None
Sch. Geometry	1	9-10	A in Alg. 1 CP	None
Ess. of Algebra 2	1	10-12	Teacher Rec	None
Algebra 2 CP	1	10-11	Geometry CP	None
Sch. Algebra 2	1	10-11	Sch. Geometry	None
Math. Mod. & Reas.	1	10-12	Geometry CP	None
Pre-Calculus CP	1	11-12	Alg. 2 CP	None
AP Pre-Calculus	1	10-12	Sch. Alg. 2	None
AP Calculus AB	1	11-12	Sch. Pre-Calc	$50
AP Statistics	1	11-12	Teacher Rec	$30
Statistics CP	1	11-12	Geometry CP	None
AP Calculus BC (not offered every year)	1	12	AP Calculus AB	TBD



Algebra 1 CP

This class is a traditional Algebra 1 college prep course that covers base properties, axioms, and problem solving. This course is designed as an introductory college prep course that will eventually lead to Precalculus and Calculus courses. A graphing calculator in the TI- Family (i.e. TI-83+, TI-84 color) is recommended but not required. A scientific calculator is required.

Geometry CP

This is a traditional college prep course. This course highlights geometric figures (their relationships—both logically and quantitatively) and applications to lines, angles, and polygons. Also included is an introduction to coordinate geometry, areas, ratio and proportion, constructions, trigonometry, and probability. A graphing calculator in the TI- Family (i.e. TI-83+, TI-84 color) is recommended but not required. A scientific calculator is required., and Algebra I CP is a prerequisite.

Scholarship Geometry

This course covers the same material as geometry but at a faster pace. There is more emphasis on proof. A graphing calculator in the TI- Family (i.e. TI-83+, TI-84 color) is recommended but not required. A scientific calculator is required, and Scholarship Algebra I is a prerequisite (or teacher recommendation).

Essentials of Algebra 2

This course is designed to teach the essential concepts of Algebra 2 including polynomials, exponential functions, and basic trigonometry concepts. The course will be taught in a more hands-on way using a variety of activities and technologies. A basic scientific calculator (i.e. TI-30X) is required. Teacher recommendation is required for placement in this course.

Algebra 2 CP

This course is designed to build on algebraic and geometric concepts. Students will develop advanced algebra skills such as systems of equations, advanced polynomials, imaginary and complex numbers, quadratics, rational functions, exponentials, logarithms, trigonometric functions, and statistics. A solid understanding of Algebra I and Geometry is necessary for successful completion of this course. A graphing calculator in the TI family (TI-83 Plus, TI-84 Color) and a scientific calculator are required; students should have completed Geometry CP prior to enrolling in this course.

Scholarship Algebra 2

This course is designed for the focused and serious student that plans to have a college major in a field that uses higher level mathematics and to prepare students to take the Advanced Placement Calculus Series. This course is designed to build on algebraic and geometric concepts. Students will develop advanced algebra skills such as systems of equations, advanced polynomials, imaginary and complex numbers, quadratics, rational functions, exponentials, logarithms, and trigonometric functions as well as an introduction to basic statistics. The topics are covered at a higher level than the traditional algebra 2 course. Prerequisites: Scholarship Geometry and/or teacher recommendation. A graphing calculator in the TI- Family (i.e. TI-83+, TI-84 color) and a scientific calculator are required.

Mathematical Modeling and Reasoning

The Mathematical Modeling and Reasoning (MMR) course is designed to promote reasoning, problem-solving and modeling through thematic units focused on mathematical practices, while reinforcing and extending content in Number and Quantity, Algebra, Functions, Statistics and Probability, and Geometry. It provides an introduction to mathematical modeling using graphical, numerical, symbolic, and verbal techniques to describe and explore real-world data and phenomena. Teacher recommendation required. Students should also have their own scientific calculator. This course is an Algebra II equivalent for graduation purposes.

Pre-Calculus CP

This course is designed as a transition course between algebraic principles and geometric formulas. In addition to the family of functions introduced in Algebra 2, students will also explore more advanced topics including advanced trigonometry, the unit circle, advanced trig functions and identities, matrices and vectors, polar coordinates and complex numbers, conics, and logarithmic and exponential functions. This course is intended for students who wish to take calculus and who have successfully completed Algebra 2 CP. A graphing calculator in the TI- Family (i.e. TI-83+, TI-84 color) is required. A B- or higher in Algebra 2 CP is recommended, along with teacher recommendation.

AP Pre-Calculus

This rigorous course is intended for serious students planning to major in a college field requiring higher levels of mathematics. As such, AP Pre-calculus is designed to build on concepts learned in Scholarship Algebra II while continuing to develop mathematical and problem solving skills. In addition to the family functions introduced in Algebra 2, students will also explore more advanced topics including advanced trigonometry, the unit circle, advanced trig functions and identities, matrices and vectors, polar coordinates and complex numbers, conics, and logarithmic and exponential functions. A graphing calculator in the TI- Family (i.e. TI-83+, TI-84 color) is required. A B- or higher in Scholarship

Algebra 2 is recommended, along with teacher recommendation. This course prepares students for the AP Pre-calculus Exam.

AP Calculus AB

This course is for advanced students in preparation for college. The course covers limits, derivatives, and integrals. This course is designed to lead to the Advancement Placement Calculus BC class. A graphing calculator in the TI- Family (i.e. TI-83+, TI-84 color) is required. Successful completion of precalculus or AP precalculus is required.

AP Calculus BC (only offered with enough student enrollment)

In BC Calculus, students will explore the concepts, methods, and applications of differential and integral calculus, including topics such as parametric polar, and vector functions and series. Students are required to have a graphing calculator in the TI-family (TI-83 or 84), and successful completion of AB Calculus is required.

Statistics & Probability

In this introductory course, students will learn the basics of data analysis for one- and two-variable data. They will also learn the foundations of probability. Students also have the opportunity to analyze data sets using technology. Additionally, this course will extend data analysis to include the study of confidence intervals and hypothesis tests, as well as solve more complex probability problems. This course is an Algebra II equivalent course.

AP Statistics

This course will introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There is a heavy emphasis on reading and writing in this course. Students who complete this course may take the Statistics AP exam. A B- or higher in Algebra 2 CP is recommended, along with teacher recommendation. A graphing calculator in the TI- Family (i.e. TI-83+, TI-84 color) is required.

Music Department

1 credit of Fine Art required for graduation

Courses	**Credit**	**Level**	**Prerequisite**	**Fee***
Percussion Ensemble SB	1	9-10	None	$50*
Percussion Ensemble WE	1	11-12	None	$50*
Symphony Band	1	9-10	None	$50*
Wind Ensemble	1	11-12	None	$50*
Marching Eagles	2 years in marching band equals PE waiver	9-12	Audition for placement only. All are accepted if willing to make the commitment.	$745 + $50 instrument rental (not all apply*)
Concert Choir	½ per semester	9-12	None	$15/semester
AP Music Theory	1	9-12	Pre-Test & Teach. Rec.	$35

**** A $50 per semester ($100 per year) instrument rental fee applies to any student, including percussionists, who uses a school-owned instrument. This is in addition to the $50 fee for the course.***

Symphonic Band (Full Year)

The BHS Symphonic Band is the largest of the concert performance ensembles at Bellbrook High School, and is a full year course. Freshmen and sophomores should register for this class UNLESS they successfully completed an audition and were selected to participate in Wind Ensemble, or if they were invited by a director to perform with Wind Ensemble. As the Marching Band is a co-curricular activity, marching band expectations such as music memorization, attendance at events, etc. will be a part of grading criteria for students in this ensemble who elect to participate in Marching Eagles. Students will learn intermediate and advanced performance techniques along with development of individual tone and musicianship. The Symphonic Band performs at all on-campus concerts, as well as at other off campus events, such as the Ohio Music Education Association's Solo and Ensemble festival, the Music for All Regional Concert Band Festival, and other events as they arise. There is a $50 fee associated with participation in Symphony Band (for brass, woodwinds, AND percussion); there is also a $50/semester ($100/year) fee for usage of a school owned instrument, as well, which includes Percussion Ensemble students. That fee covers cleaning, repair, maintenance, purchase of drum heads and other percussion equipment, etc. that occurs every year.

Wind Ensemble (Full Year)

The BHS Wind Ensemble is a concert wind ensemble of balanced instrumentation, made up of students who earn a seat through an audition. Students in any grade are eligible to participate in this ensemble, and may also be invited by a director based on instrumentation needs. This ensemble is a full year obligation for all members. As the Marching Band is a co-curricular activity, marching band expectations such as music memorization, attendance at events, etc. will be a part of grading criteria for students in this ensemble who elect to participate in Marching Eagles. Musicians in this ensemble continue to develop advanced performance techniques while cultivating superior musicianship. The Wind Ensemble performs at all on-campus concerts, district and state concert festivals, as well as other musical festivals regionally. Musicians may also participate in the OMEA Solo and Ensemble Festival during second semester, as soloists or as members of smaller chamber groups. There is a $50 fee associated with participation in Wind Ensemble (for brass,woodwinds, AND percussion); there is also a $50/semester ($100/year) fee for usage of a school owned instrument, as well, which includes Percussion Ensemble students. That fee covers cleaning, repair, maintenance, purchase of drum heads and other percussion equipment, etc. that occurs every year.

Symphonic Band Percussion/Wind Ensemble Percussion (Full Year)

The BHS Percussion is comprised of percussion students who are interested in the development of advanced performance techniques in all areas of percussion performance, including but not limited to marching percussion, keyboard percussion, timpani, and concert band/orchestra percussion techniques. Students in grades 9 and 10 should sign up for Symphony Band Percussion UNLESS they successfully completed an audition and were selected to participate in Wind Ensemble, or if they were invited by a director to perform with Wind Ensemble. No audition is required to perform in the Symphony Band Percussion Both percussion classes are a full year class. Students wishing to play percussion in the Marching Eagles and/or the Indoor Percussion Ensemble are required to register for Percussion class OR one of the band classes, if their primary instrument is not percussion. The Percussion will explore percussion ensemble literature as well as standard concert band music, while expanding their own individual performance techniques. An Indoor Percussion Ensemble (IPE) may be offered during the 2nd semester as an extra-curricular activity. There are fees associated with the participation in the Percussion class that are separate from those of the Marching Eagles and IPE.

Marching Eagles (MB)

This prestigious ensemble is comprised of students grades 9-12 (with a few select 8th graders) interested in getting the most out of the high school band experience. This ensemble is CO-CURRICULAR, and does NOT meet as a class period. The Marching Eagles, as an ensemble, demonstrate the highest level of school spirit, participating in football games, pep-rallies and parades. In addition to supporting Bellbrook High School athletics, the Marching Eagles compete on a local and national level. The Marching Eagles are nationally recognized as seven-time Bands of America Class National Class Champions, most recently as the 2013 BOA Class A National Champions. Rehearsals are held on a regular basis, and on selected Saturdays in September, October and November. The Marching Eagles travel across the nation, in the past to states like Florida, Tennessee, Missouri and New York. There are fees associated with participation in the Marching Eagles. The Marching Eagles often conclude their competitive season each year at the Bands of America Grand National Championships in Indianapolis, Indiana in November. If the football team continues in the playoffs at the conclusion of their season, marching band members will be expected to attend and participate in the remainder of their games. Members of the Marching Eagles must attend a mandatory band camp during the summer, as well as other scheduled summer rehearsals. Students interested in participating in the Marching Eagles as a marching brass, woodwind, or percussion member must register concurrently for a band class – Symphony Band (MB), Percussion Orchestra, or Wind Ensemble (MB). No audition is required for participation, just dedication and pride. Students must maintain academic eligibility to perform in season, and adhere to the Code of Conduct as set forth by Bellbrook High School.

Concert Choir

The choir is open to students who have a desire to develop vocal skills and techniques. The choir is a performance-based ensemble and will perform a minimum of four concerts per year. Students in the choir have the opportunity to sing a variety of styles of music and are given the opportunity to sing in small groups as well as in a large performance ensemble. This is a year- long course that should be taken for 1 full credit; however, if necessary, students may take choir for either semester with the director's approval.

AP Music Theory

Students in AP Theory will be challenged in all areas of music theory including advanced harmonic analysis, composition,orchestration, and arranging as well as ear training and other auditory skills. Students will take the collegiate advanced placement examination in May. This course is recommended for students who wish to continue in musical study past graduation from high school, or for students who wish to learn the construction and composition of music. A basic understanding of music reading is required! Students will be given a pre-test, at which time it will be determined whether the student is recommended to continue in the class. *May only be offered every other year, dependent upon enrollment.*

Pre-Engineering Department
(Project Lead the Way)

Project Lead the Way's (PLTW) engineering program prepares students for future, successful engineering careers. Students may be eligible to receive college credit from many schools across Ohio through what are called Career Technical Assurance Guide (CTAG) Courses**.** The Ohio Transfer to Degree Guarantee allows students to earn college credit within their program, transferable to any Ohio public college or university with a similar program of study for successfully completing the Greene County Career Center program (Career Tech equivalent of CCP) – Students must earn a C or better in the course AND pass the state end-of-course exam (WebXam) to earn this credit. You can find out more information about this process at https://www.ohiohighered.org/transfer/ct2/earning-college-credit

Bellbrook High School offers two foundational courses in partnership with the Greene County Career Center: Introduction to Engineering Design (IED), Principles of Engineering (POE). We also offer four advanced courses: Engineering Design and Development (EDD), Civil Engineering and Architecture (CEA), Aerospace Engineering (AE), and Digital Electronics (DE). Any high school student wishing to explore a career in engineering is encouraged to sample these pre-engineering classes.

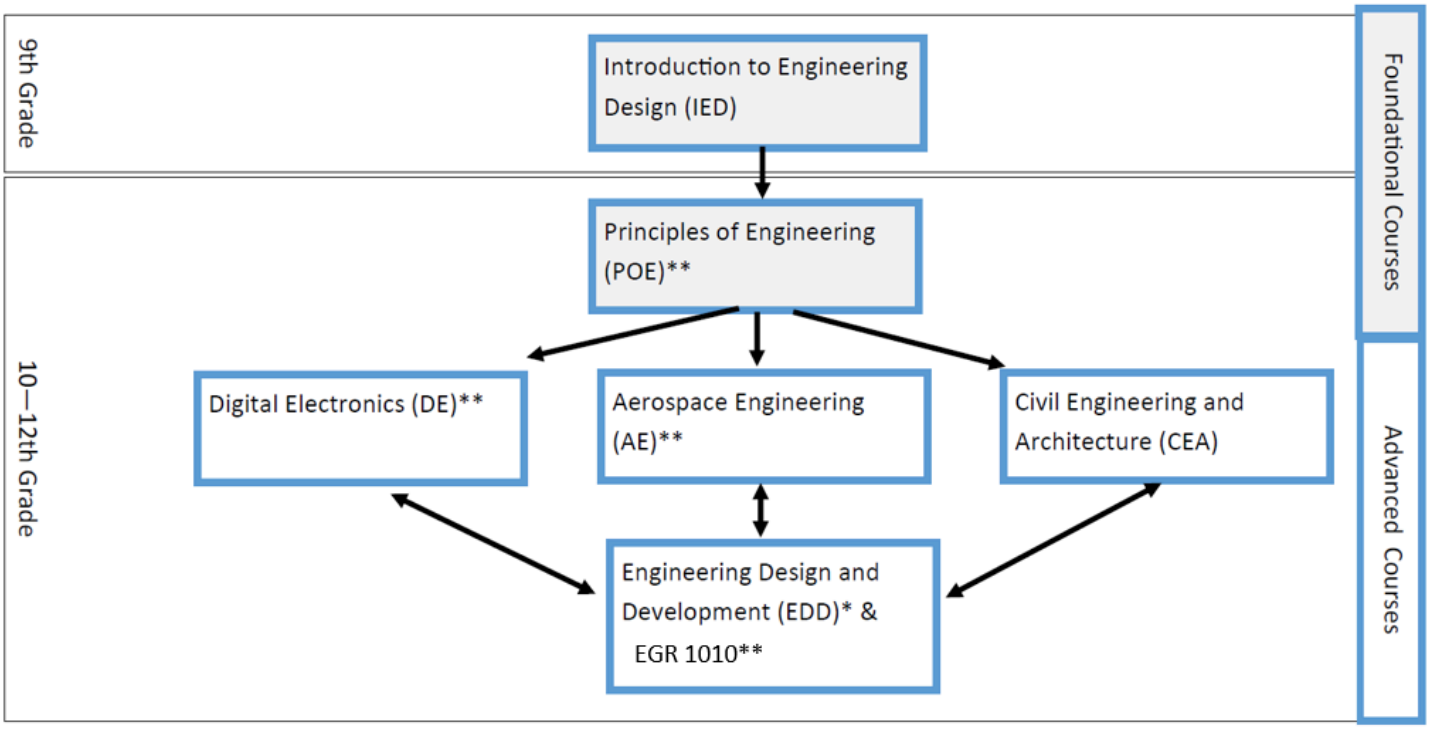
Foundational Course

Courses	**Credit**	**Level**	**Prerequisite**	**College Credit**
Intro to Engineering (IED)	1	9th Only	None	
Principles of Engineering (POE)**	1	10-12	Algebra 1	1 Credit CTAG

Advanced Courses

Courses	**Credit**	**Level**	**Prerequisite**	**College Credit**
Digital Electronics (DE)**	1	11 - 12	POE or Physics & Teacher Recommendation	4 credit CTAG
Civil Engineering / Architecture	1	11 - 12	POE or Physics & Teacher Recommendation	
Aerospace Eng. (AE)**	1	11 - 12	POE or Physics & Teacher Recommendation	3 Credit CTAG
Engineering Design & Dev (EDD)**	1	11 - 12	POE or Physics & Teacher Recommendation	4 Credit CCP Option

College Level course



Introduction to Engineering Design (IED)

Using 3-D computer modeling software students learn the design process, solve design problems and develop, analyze and create product models. This curriculum makes math and science relevant for students. By engaging in hands-on, real world projects, students understand how the skills they are learning in the classroom can be applied in everyday life. This introductory course is for 9th graders only.

*Principles of Engineering (POE)***

This course explores the wide variety of careers in engineering and technology and covers various technology systems and manufacturing processes. Using activities, projects and problems, students learn first-hand how engineers and technicians use math, science and technology in an engineering problem-solving process to benefit people. This is the entry course to the engineering pathway for any student in grades 10-12.

Prerequisite: Algebra 1

*Digital Electronics (DE)***

Digital Electronics is the study of electronic circuits that are used to process and control digital signals. Digital electronics is the foundation of all modern electronic devices. The major focus of the DE course is to expose students to the design process of combinational and sequential logic design, teamwork, communication methods, engineering standards, and technical documentation.

Prerequisite: Principles of Engineering

Civil Engineering and Architecture (CEA)

The CEA course is intended to serve as a specialization course within the Pre-Engineering/STEM program. It may be taken in sequence or taken as a stand-alone course (see prerequisites). The course is structured to enable all students to have a variety of experiences that will provide an overview of both fields. Students work individually as well as in teams, exploring hands-on projects and activities to learn the characteristics of civil engineering and architecture. The major focus of the Civil Engineering and Architecture course is a long-term project that involves the development of a local property site. Students learn about documenting their project, solving problems, and communicating their solutions to their peers and members of the professional community of civil engineering and architecture.

Prerequisite: Principles of Engineering

*Aerospace Engineering (AE)***

This course propels students' learning in the fundamentals of atmospheric and space flight. As they explore the physics of flight, students bring the concepts to life by designing an airfoil, propulsion system, and rockets. Students will utilize industry-standard software and wind tunnels.

Prerequisite: Principles of Engineering

Engineering Design and Development (EDD) Capstone – Project Lead the Way and CCP EGR 1010***

The knowledge and skills students acquire throughout the Engineering Pathway come together in EDD in a unique blend of PLTW capstone coursework and CCP course EGR 1010 - Introductory Mathematics for Engineering Applications. The CCP course provides an application-oriented, hands-on introduction to engineering mathematics, and is a required part of the first-year engineering curriculum at Wright State University. Topics include linear and quadratic equations, trigonometry, vectors and complex numbers, sinusoids and harmonics signals, systems of equations and matrices, derivatives, integrals and differential equations. All math topics are motivated by their direct application in core college engineering courses.

Simultaneously, students will be working through an engineering design challenge as they apply engineering technical skills with advanced academic content. This course will work through physics and material science academic curriculum and the engineering design process to research, design, and construct a solution to an open-ended engineering problem. (Material science is the exploration of the properties of different materials such as metals, polymers, glass, ceramics, wood and composites and how they are used to optimize design elements for an application) The product development lifecycle and a design process will be used to guide and help your team reach a solution to the problem. You and your team will present and defend your solution to a panel of outside reviewers at the end of the school year.identify an issue and then research, design, and test a solution, ultimately presenting their solution to a panel of engineers. Students apply the professional skills they have developed to document a design process to standards, ready to take on any post-secondary program or career. A graphing calculator in the TI- Family (i.e. Ti-83+, Ti-84 color) is required.

Prerequisite: Introduction to Engineering Design, Principles of Engineering, and either have completed or concurrently enrolled in Aerospace Engineering, Digital Electronics (preferred), or Civil Engineering.

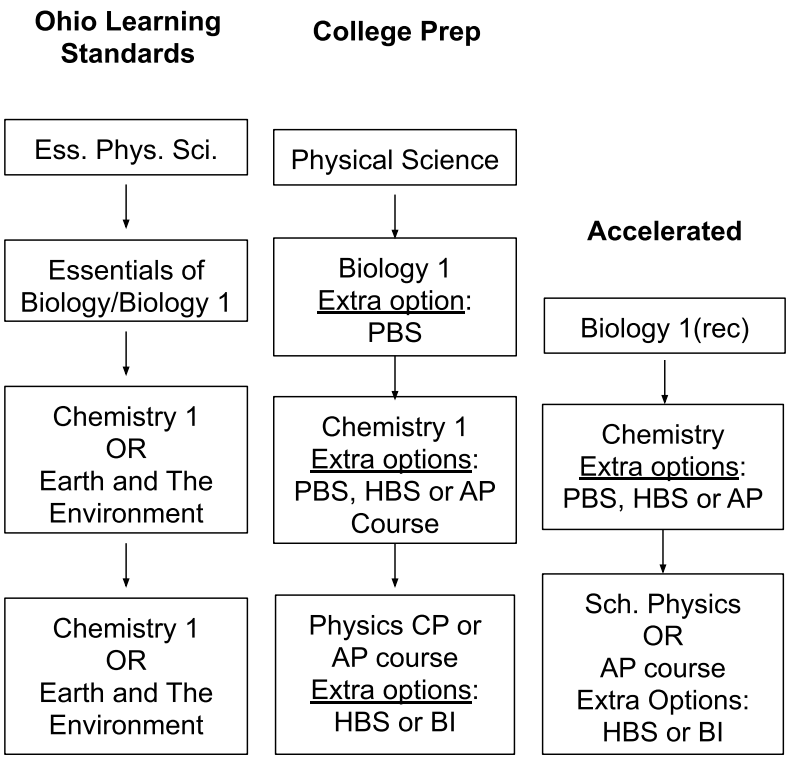
***Simultaneous Credit: Engineering & Advanced Science**
**** Course is a College Level course.**

Science Department

3 credits required for graduation

Course	Credit	Level	Prerequisite	Fee*
Essentials of Physical Science	1	9	Placement made by teacher/counselor	$20
Physical Science	1	9	None	$20
Essentials of Biology	1	10	Placement made by teacher/counselor	$30
Biology I	1	9-10	Teacher/counselor recommendations for 9th graders	$30
Chemistry I	1	10-12	"B" in Biology 1, "C" in Algebra 1, and conc/completion of Algebra 2 CP	$30
AP Biology	1	10-12	"A-" in Biology 1 and conc/completion of Chemistry I	$40
AP Environmental Science	1	11-12	"A" in Biology 1	$45
AP Chemistry	1	11-12	"A" in Chemistry 1 & Algebra 2; or Teacher recommendation	$50
Earth and The Environment	1	11-12	Physical Science	$25
Physics CP	1	11-12	"B" in Chemistry and Algebra 2	$20
Scholarship Physics	1	11-12	"B" in Chem and enroll Sch. Precalc	$20
AP Physics C	1	12	"B" in Sch. Physics and conc/completion of Calc	$20
Biomedical Sciences PLTW (Project Lead the Way Program)				
Principles of Biomedical Sciences (PBS)	1	9-10	Must be taking Biology or already have taken Biology with a "B" or better grade	$100
Human Body System (HBS)	1	10-12	Must have taken Principles of Biomedical Science (PBS) or teacher approval	$100
Medical Interventions (MI)	1	11-12	Recommend completion of HBS or AP Biology	$100
Biomedical Innovation (BI)	1	12	**Must have teacher approval to sign up for this class	$100

Approximate cost



Physical Science

Physical Science is a freshman course dedicated to fulfilling the physical science requirements for graduation and is appropriate for all freshman students. It provides introductory physics and chemistry content at an age and maturity appropriate level, with the intent to let students transition from middle to high school at a reasonable pace while preparing them for future science courses. It provides a solid foundation to ensure success at chemistry, which college bound freshmen can be expected to take as juniors.

Essentials of Physical Science

This course is a teacher/counselor recommended course designed to cover the state's Physical Science learning standards. It is designed to provide students with foundation science skills and more personalized instruction. Students are exposed to various core concepts in physics, chemistry and astronomy.

Essentials of Biology

This course is a teacher/counselor recommended course designed to cover the state's Biology Learning Standards. It is designed to provide students with real life foundation science skills incorporating more individualized direction. Biology Essentials explores areas of ecology, population biology, biochemistry, cells, energy transfers, genetics, DNA, evolution, and more. This class prepares students for the EOC state test by reviewing standards covered in Biology.

Biology I

This is an introductory college prep course with emphasis on ecology, population biology, biochemistry, cells, energy transfers, genetics, DNA, evolution, and more. It is primarily designed as a sophomore level course. This course can be taken as a stand-alone biology course for those not planning post-secondary science studies, or as a strong foundation course upon which to build future study. This class prepares students for the EOC state test by reviewing standards covered in Biology.

Chemistry I

This is a fast paced, high level introductory chemistry course designed to teach the fundamental concepts and principles of modern chemistry. The course provides for classroom, laboratory, and homework experience in developing concepts of atomic structure, chemical bonding, molecular geometry, chemical reactions, stoichiometry, thermochemistry, the gas laws, solution behavior, reaction kinetics,chemical equilibrium, acids, bases, and salts. Problem solving skills will be stressed in mathematical relationships as well as in the conclusions that can be derived from laboratory observation. The content is math-heavy and strong Algebra skills are a prerequisite. The class covers all of Ohio's state chemistry standards and is designed to prepare students for success in chemistry at a college level. Successful completion of Biology and the recommendation of previous science and math teachers are required. Additionally, concurrent enrollment in or prior completion of Algebra 2 is highly recommended, ensuring a solid foundation for comprehensive understanding and achievement in the course.

AP Biology

This course follows the curriculum for the Advanced Placement Biology exam as stated by the College Board. Emphasis will be placed on eight themes of biology: Science as a Process, Evolution, Energy Transfer, Continuity and Change, Relationship of Structure to Function, Regulation, Interdependence in Nature, and Science, Technology, and Society.

AP Environmental Science

This course follows the curriculum for the Advanced Placement Environmental Science Exam as stated by the College Board. The course treats environmental science as an interdisciplinary study, combining ideas and information from the natural sciences such as biology, chemistry, and geology, and from the social sciences such as economics, politics, and ethics to present a general idea of how nature works and how things are interconnected. This course requires participation in field activities that are done outside of the school day.

AP Chemistry

This course follows the curriculum for the Advanced Placement Chemistry exam as stated by the College Board. Topics covered include: atomic structure, stoichiometry, thermochemistry, electrochemistry, kinetics, and equilibrium. Laboratory experience is a significant part of the course, stressing analytical methods, titration techniques, and collection of data. Additional time during the school day will be scheduled to satisfy AP curriculum lab requirement.

Earth and The Environment

This course is a laboratory-based science class emphasizing the function of the Earth system and the effect of human activities on it. Topics studied include the composition of Earth, surface processes, the atmosphere, the dynamic nature of Earth, geologic time, and Earth's resources. Also included is a small chemistry unit that fosters the understanding of the chemical reactions involved in Earth science.

Physics CP

This is an advanced high school level course that includes laboratory experiences and requires strong math skills.. Students cultivate their understanding of physics as they explore topics including: motion, forces, momentum, energy, waves, electricity and magnetism. This course includes content found in Ohio's New Learning Standards and Model Curriculum for Science, High School Physics.

Scholarship Physics

Scholarship Physics is an advanced high school level course that includes laboratory experiences. Scholarship Physics is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics as they

explore topics including: kinematics, dynamics, circular motion and gravitation, energy, momentum, simple harmonic motion, torque and rotational motion. This course closely follows the AP Physics 1: Algebra Based Course Description.

AP Physics C

AP Physics C. During the first semester, students will review mechanics, which students learned in a previous course. Additionally, students will be integrating calculus into mechanics. After the study of mechanics, students will transition to learning calculus based electromagnetism. This year-long course is equivalent to two one-semester, calculus-based, college-level physics courses, especially appropriate for students planning to specialize or major in one of the physical sciences or engineering. Students cultivate their understanding of physics through classroom study and activities as well as hands-on laboratory work as they explore concepts like change, force interactions, fields, and conservation.

PLTW Biomedical Science Courses

In partnership with the Greene County Career Center, the science department offers a PLTW program in Biomedical Sciences. Working with the same equipment and tools used by lab professionals, PLTW Biomedical Science students are empowered to explore and find solutions to some of today's most pressing medical challenges. Through scaffolded activities that connect learning to life, students step into the roles of biomedical science professionals and investigate topics including human medicine, physiology, genetics, microbiology, and public health. Students work together in teams to find unique solutions, and in the process, learn in-demand, transferable skills like critical thinking and communication. Any high school student wishing to explore a career in the medical field and/or biomedical engineering is encouraged to sample these classes.

Principles of Biomedical Science (PBS)

Principles of Biomedical Science serves to provide foundational knowledge and skills in fields such as biology, anatomy and physiology, genetics, microbiology, and epidemiology, as well as engage students in how they can apply this content to real-world situations, cases, and problems such as solving a medical mystery case, diagnosing and treating a patient, or responding to a medical outbreak. This updated program modernizes content to be interactive using 3D animations, virtual and augmented reality, simulated electronic patient records, and more. The emphasis will be on how concepts in science, technology, math, and engineering apply in tandem to help understand and solve health care problems.

Human Body Systems (HBS)

This class is the second course in the PLTW Biomedical STEM Program. In the Human Body Systems (HBS) course, students examine the interactions of body systems as they explore identity, communication, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real world cases, and often play the role of biomedical professionals to solve medical mysteries.

Medical Interventions (MI)

Students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options; and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. Lifestyle choices and preventative measures are emphasized throughout the course as well as the important role that scientific thinking and engineering design play in the development of interventions of the future.

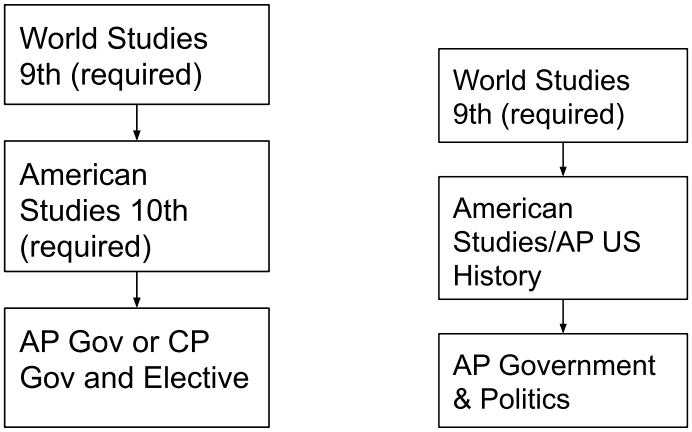
Biomedical Innovation (BI)

In this capstone course, students apply their knowledge and skills to answer questions or solve problems related to the biomedical sciences. Students design innovative solutions for the health challenges of the 21st century as they work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health. They have the opportunity to work on an independent project and may work with a mentor or advisor. Throughout the course, students are expected to present their work to an adult audience that may include representatives from the local business and healthcare community.

Social Studies Department

3 credits required for graduation

Courses	**Credit**	**Level**	**Prerequisite**	**Fee**
World Studies	1	9	None	None
American Studies	1	10	None	None
AP U.S. History	1	10-12	"A" in World Studies and/or Teacher recommendation	$20
American Govt. & Econ.	½	11-12	None	None
AP U.S. Gov't & Politics	1	11-12	Successful completion of or concurrent enrollment in one other AP course	Cost of Textbook



World Studies

Students will study a survey of world history from the Enlightenment to the present with a special focus on 20th century history. Additional emphasis will be placed on world geography, cultures, migrations, economics, global interdependence, and regional studies and how they relate to the time periods studied. This is a required course intended to be taken during the freshman year.

American Studies

This course surveys the history of the United States from the 1800's to the present. The major units of study are the settlement of the West, the United States as a World Power, reform in America, and Post World War II to the present day. This is a required course intended to be taken during the sophomore year.

AP U.S. History

This course follows the curriculum for APUSH as established by the College Board. APUSH is an elective course recommended to be taken during the 11th grade year, following the successful completion of American Studies in grade 10. Students wishing to take APUSH in place of American Studies during their 10th grade year must meet the following requirements:

1. Successful completion of World Studies with an "A" or "A+" average for both first and second semester.
2. A GPA of 3.6 or higher.

3. Enrollment in Honors English 10 for their sophomore year.

Enrollment in the class is limited and there is a fee to cover textbook and website expenses.

American Government and Economics

This required course is a study of government in the United States at the national, state, and local levels. The course emphasizes reflection upon historical and modern significance of topics such as; the roles of the three branches of government, foreign policy decisions, landmark court decisions, the role of political parties, rights and responsibilities of citizens, economic theory and personal financing.

AP Government & Politics

This course is intended for qualified students in grades 11 and 12 who wish to complete studies in high school, equivalent to a college introductory political science course. Topics similar to those addressed in American Government and Economics will be addressed but the course is intended to prepare students for the AP exam to be taken in May. Enrollment is limited and there is a book fee for the course. Prerequisite: successful completion of or concurrent enrollment in one other AP course.

Social Studies Department Electives

Courses	**Credit**	**Level**	**Prerequisite**	**Fee***
American & Global Issues	½	10-12	None	$10
Sociology	½	11-12	None	None
Psychology	½	11-12	None	None
Rock ‘n Roll in Amer. History	½	10-12	None	None
Criminal Justice	½	11-12	Completed CP/AP Government	None
AP Psychology	1	11-12	Completed or Concurrent AP course or “A” each quarter in Psychology	None

Approximate cost

American and Global Issues

This elective course for students in grades 10-12 is a study of current issues in America and the world. Students will focus on issues of both current and historical importance by utilizing digital resources, magazines and additional resources.

Sociology

This course for students in grades 11 and 12 is based on the scientific study of social aspects of human life. The class includes the study of the foundations of sociology, cultural development, socialization, crime and social control, and other areas.

Psychology for Life

Psychology for Life is a course designed for students who are interested in understanding the practical application of psychology in everyday life. It is a beneficial course for students interested in exploring the field of psychology or in studying other related fields such as education, business, medicine, criminal justice, political science, and history.

AP Psychology

AP Psychology follows the curriculum as established by the College Board. AP Psychology is a course that analyzes the theories, ideas, and methods of the scientific study of mental and behavioral processes. This course will be the equivalent of an Introduction to Psychology course at the university level and is a fast-paced survey of themes from the science of psychology. As a prerequisite students should have completed or be currently enrolled in an additional AP course in any subject area.

Rock 'n' Roll in American History

Since the 1950's Rock 'n' Roll music has been a pervasive and popular art form that reflects major themes and events within American society. This project-based course allows students in grades 10-12 the opportunity to study the history of Rock 'n' Roll music and its connection to American political, social and economic history.

Introduction to Criminal Justice & Law

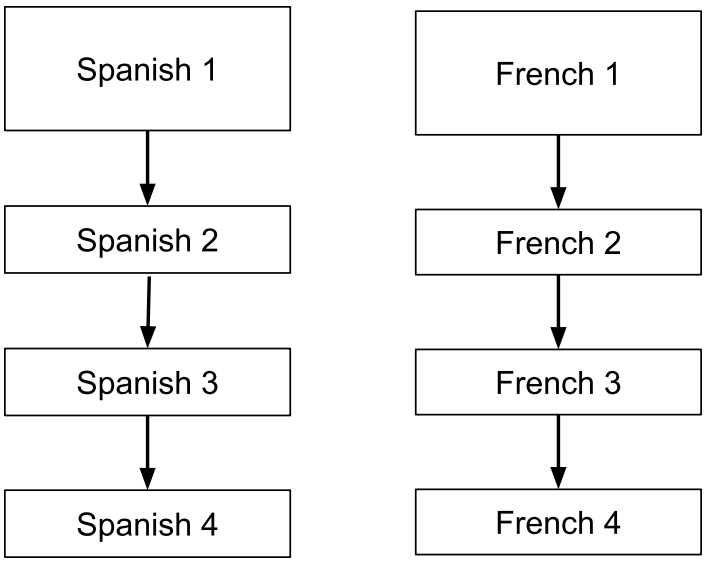
This course will focus on all aspects of the American Criminal Justice system including, but not limited to the structure and functions of the criminal justice system and law enforcement agencies, the legal process, the role and purpose of correction, rehabilitation, and reintegration, and the political processes that shape the criminal justice system. Students will actively engage with guest speakers who work in various roles within the criminal justice system, affording them the chance to explore career opportunities and participate in real-world learning experiences. By the end of the semester, students will have a foundational understanding of the criminal justice system & how it relates to our Constitution & government.

World Languages Department

Course	Credit	Level	Prerequisites	Fee*
French 1	1	9-12	none	$0
French 2	1	9-12	French 1	$0
French 3 Honors**	1	10-12	French 2	$0
French 4 Honors**	1	11-12	French 3	$0
Spanish 1	1	9-12	none	$0
Spanish 2	1	9-12	Spanish 1	$0
Spanish 3 Honors**	1	10--12	Spanish 2	$0
Spanish 4 Honors**	1	11-12	Spanish 3	$0

CCP option course

****Approximate cost***



French 1

This course follows the state model and allows students to develop proficiencies in reading, writing, speaking, and listening in French. Students will become acquainted with the culture, geography, art, literature, and history of the French speaking world. Students will use a variety of media to obtain these goals. The course is conducted with every increasing emphasis on the target language.

French 2

This course is a continuation of French 1. Emphasis will be placed on the further development of the proficiencies in reading, writing, speaking, and listening. Students will be exposed to the culture, geography, art, literature, and history of the French speaking world. The course is conducted with every increasing emphasis on the target language.

*French 3 Honors***

Proficiencies obtained in French 1 & 2 will be further developed. Students advance their knowledge of the language through the study of literature, history, art, French culture, and a review of grammar. The course is conducted primarily in the target language.

*French 4 Honors***

This course utilizes and expands the proficiencies obtained in French 1, 2, and 3. Students will advance their knowledge of the language through a more in-depth study of the literature, history, art, French culture, and a review of grammar. The course is conducted exclusively in the target language.

Spanish 1

This course follows the state model and allows students to develop proficiencies in reading, writing, speaking, & listening in Spanish. Students will become acquainted with the culture, geography, art, lit, & history of the Spanish speaking world. Students will use a variety of media to reach these goals. The course is conducted with every increasing emphasis on the target language.

Spanish 2

This course is a continuation of Spanish 1. Emphasis will be placed on the further development of the proficiencies in reading, writing, speaking, and listening. Students will be exposed to the culture, geography, art, literature, and history of the Spanish speaking world. The course is conducted with every increasing emphasis on the target language.

*Spanish 3 Honors***

This course utilizes and expands the proficiencies obtained in Spanish 1 and 2. Students will advance their knowledge of the language through the study of literature, history, art, Hispanic culture, and a review of grammar. The course is conducted primarily in the target language.

*Spanish 4 Honors ***

This course utilizes and expands the proficiencies obtained in Spanish 1, 2, and 3. Students will advance their knowledge of the language through a more in-depth study of literature, history, art, Hispanic culture, and a review of grammar. The course is conducted exclusively in the target language.

Aerospace Science – Air Force Junior Reserve

Officer Training Corps (AFJROTC)

Air Force Junior ROTC is a program for all students. Interest in a military career is not a requirement for the class.

Air Force Junior ROTC is a citizenship program for high school students in the ninth through twelfth grades. The mission is:

"Developing Citizens of Character"

The objective of Air Force Junior ROTC is to "Instill Values of Citizenship, Service to the United States, Personal Responsibility and Sense of Accomplishment." This is achieved by educating and training high school students in citizenship, promoting community service, instilling attributes of responsibility, character, self-discipline, and providing instruction in air and space fundamentals and leadership.

The Air Force Junior ROTC program is grounded in the Air Force core values of Integrity First, Service Before Self, and Excellence in all We Do. The curriculum emphasizes the Air Force heritage and traditions, the development of flight, applied flight sciences, military aerospace policies, and space exploration.

Students at any grade level can take the Air Force Junior ROTC class (9-12.) All new AFJROTC cadets will take Aerospace Science I regardless of their grade level, unless the AFJROTC Instructors approve the student to start at a higher level.

Courses	Credit	Level	Prerequisite	Fee
Aerospace Science I	1	9-12	None	None
Aerospace Science II	1	10-12	Aerospace Science I or instructor permission	None
Aerospace Science III	1	11-12	Aerospace Science II or instructor permission	None
Aerospace Science IV	1	12	Aerospace Science III or instructor permission	None

Students who successfully complete two years of Air Force JROTC will receive their PE waiver, allowing the student to exempt PE courses during high school.

Leadership Opportunities: Students will have multiple opportunities to hold a leadership position or perform in a leadership role. These experiences will assist the student on applications for jobs, college scholarships, awards, and a whole lot more.

Curriculum: Students will be instructed in various curriculum areas including Aerospace Science, Leadership Education and Wellness. **Aerospace Science** study includes the history of aviation, cultural awareness of major world regions, science of flight, space exploration, cyber, survival and corps management. Through the study of the history of aviation, cadets will learn about the development of flight throughout the centuries. From the science of flight, students will become acquainted with the aerospace environment, weather, the human requirements of flight and the principles of navigation. Space exploration will equip students with the latest information available in space exploration and space science. Through cultural studies, students will learn to see the world through a variety of cultural domains. This course introduces students to the study of world affairs, regional studies and cultural awareness. Students will learn to explore and discover the processes that shape culture, the relationships between people and environments, and the links

between people and places. **Leadership Education** offers students many opportunities to shape their character. Students will learn about character development while many character-building topics are discussed. Elements of good citizenship are instilled in students; they are introduced to the Air Force organizational structure, uniform wear, military customs and courtesies, flag etiquette, citizenship in the United States, first aid, health and wellness, fitness, individual self-control, and bais drill and ceremonies. They will learn to listen and think critically, effective communications, how to prepare for leadership, how to build personal awareness, key elements of building and encouraging effective teams, and key behaviors for becoming a credible and competent leader. Students may also learn about the importance of charting a career path, specific career options, how to interview for a job, how to apply for college, the principles of management, making decisions, problem solving, human relations, and life skills. In addition, all cadets are required to participate in the Air Force Junior ROTC **Wellness** Program. Each week, normally on Friday, students will engage in various physical fitness activities. The activities include team competitions, group exercise classes, individual exercises, and twice a year all cadets will complete a Physical Fitness Test which includes push-ups, sit-ups and a 1-mile run/walk.

Field Trips: JROTC students may have the opportunity to take field trips throughout the year both as a class and for smaller groups of cadets. Examples of some recent field trips are class trips to the Air Force Museum and iFly Cincinnati as well as small group trips for color guards for events in the local communities, luncheons for local military-affiliated organizations and leadership seminars. The field trips are dependent upon the curriculum for that year and needs in the community.

Community Service: Air Force Junior ROTC encourages its students to get involved in their local communities. Students will have the opportunity to perform various community service acts such as food drives, assisting the elderly in yard work, recycling cardboard and paper at the high school, helping at the Veteran Affairs Hospital in Dayton, and many other fun and unique opportunities.

Uniform: Air Force uniforms are furnished for free. Uniforms include physical training clothing, Air Force jackets, shirts, pants, shoes, socks, etc. Some of the uniform items are required to be returned at the end of the school year or the student may be charged a fee. The Air Force uniform will be worn once a week after it has been issued. Students are expected to maintain Air Force grooming standards when wearing the uniform, which includes maintaining hair standards.

After High School Employment: Career-minded high school students will learn about jobs in the aerospace industry and the Air Force that could open important opportunities for their future. High school students who complete the aerospace science program in Air Force Junior ROTC can enlist in any branch of the armed forces at higher pay grades than students that did not take Air Force Junior ROTC.

College and Scholarship Opportunities: The leadership opportunities and positions held in Air Force Junior ROTC provide students a wealth of experiences which will make them extremely competitive when they fill out college applications, scholarship applications, appointments to any of the US Military Service Academies (West Point, Annapolis, and Air Force Academy), and scholarships for the Army/Navy/Air Force/Marine ROTC college programs. JROTC cadets may be eligible for specific scholarships offered only to cadets enrolled in the program. Current scholarships offered are the J-100 AFROTC scholarship which supplies tuition, room and board to selected JROTC cadets and the Flight Academy Scholarship which allows selected cadets to attend a flight training program in the summer and earn their private pilot's license.

FIRST YEAR STUDENTS

The introductory **Aerospace** course is designed to give a basic knowledge of the origin and development of today's aerospace world. The course is organized as a chronicle of American military history in relation to the development of air power and covers a period about 4,000 years, from 2,000 BC to the present. The **Leadership** portion concentrates on customs and courtesies; the flag, uniform, and personal appearance; attitude, discipline, study habits, and drill.

SECOND and THIRD YEAR STUDENTS

The second and third year **Aerospace and Leadership** courses are taught in blended classes and cover the following information on a schedule to ensure a student does not repeat a course within a four-year Air Force Junior ROTC career.

The **Aerospace** courses include a customized course about the world's cultures. It introduces students to the world's cultures through the study of world affairs, regional studies, and cultural awareness. The course delves into history, geography, religions, languages, culture, political systems, economics, social issues, environmental concerns, and human rights. It looks at major events and significant figures that have shaped each region. Throughout the course, there are readings, video segments, hands-on activities, other optional activities, technology enrichment, and assessments to guide in the reinforcement of the materials. The **Aerospace** curriculum also contains courses with emphasis on propulsion, space travel, rocketry, and spacecraft.

Leadership concentrates on effective listening, communication, motivation, prejudice, sexism, and leadership principles. **Leadership** also looks at management process, stress and financial management, systems of government, personal standards, and guide to decision-making and oral communication. Drill performance is brought to the highest level by studying and demonstrating all the basic drill commands.

FOURTH YEAR STUDENTS

This course is structured to the individual needs of selected students. Emphasis is placed on developing leadership abilities. Students are rotated into high-level group staff positions and required to demonstrate leadership and management techniques by running the cadet corps as a whole and leading individual projects and activities.

Our Mission

Empowering students through advanced technologies, integrated instruction, and community partnerships to succeed in career, college and life.

About Us

The Greene County Career Center (GCCC) proudly serves students from the seven public school districts in Greene County as well as those who attend private and parochial schools. Home-schooled students are also able to find success through the Career Center's many career pathways. Today GCCC offers career-technical programs for high School juniors and seniors. In addition to the programs housed at our main campus, the Career Center provides programming in many of the county high schools in areas like Biotechnology, Family and Consumer Science, Engineering, Marketing, Career-Based Intervention, Digital Media and Agricultural and Environmental Systems.

Advanced Engineering Systems

This specialized engineering program will focus on the region's in-demand aerospace job market combining instruction on advanced materials, mechanical engineering and advanced manufacturing. Students will gain specialized technical skills developed by the Department of Defense as the core and advanced skills for today's workplace. Students will learn the knowledge, skills, and abilities to understand material science and can optimize manufacturing technologies, processes, and systems.

Advanced Industrial Robotics

This Advanced Industrial Robotics program takes robotics from a hobby to a full-time career. Students will learn robotics systems and automation of industrial robotics and how they integrate into manufacturing systems. This program will also include advanced robotic programming including robotic sensors and vision, collaborative robotics, and mechatronics.

Auto Collision Repair

Highly trained and skilled technicians are at a premium in the Miami Valley. The Auto Collision Repair program at the Greene County Career Center is designed to meet the industry's needs. From body repair to repainting, attention to detail is key in the exciting, creative, and challenging career field. You gain experience repairing and painting project vehicles in the lab while learning all types of refinishing and repair. The program has also delved into restoration projects that include antique cars, beverage machines, gas pumps, utility vehicles, bicycles, etc.

Automotive Technology

As new vehicles become more technologically advanced the need for highly-trained automotive technicians continues to grow. Maintenance and repair necessitates the use of state-of-the-art equipment and an increasingly highly trained workforce. Students learn to diagnose, troubleshoot, and service automotive transmissions, engines, brakes, electrical systems, wheel alignment and balancing, fuel carburetion, ignition systems and tune-up, exhaust systems, cooling systems, front and rear suspensions, and computer control systems using electronic engine analyzers. Students will have the opportunity to earn ASE industry credentials.

Aviation Maintenance Technician

Students in this unique program will learn their technical skills at the airport hangar located at the Lewis A. Jackson Green County Regional Airport. Academics will be taken at the Career Center. Students will have the opportunity to earn the FAA General and Airframe certification, which leads to several lucrative employment opportunities or to more advanced certifications. All courses articulate to Sinclair for 55 college credits!

Construction Technology

As the building industry continues its growth in the Miami Valley, career opportunities in a variety of construction trades are expanding daily. To meet the demands of the job market, a multi-pathway Construction Technology program is offered at Greene County Career Center. Students learn the skills necessary to enter multiple areas of construction in residential, commercial, or industrial settings using an interactive, hands-on learning style.

Cosmetology

Become an Ohio State Board Certified licensed cosmetologist! Experience comes from hands-on learning in the areas of salon operation. You have the opportunity to rehearse your skills on mannequins, friends, family members and other students! Work Based Learning begins in the Salon Verde, GCCC's own fully accredited salon, continues with a 150-hour internship at a local salon and ends with job placement opportunities after students earn their license. The professional environment of respect and trust allows you to express your individuality and creativity while preparing for the State Board of Cosmetology exams.

Criminal Justice

Criminal Justice students obtain the knowledge and skills applicable to a variety of public safety careers with a direct pathway to criminal justice, private security, and corrections professions. Specialized classroom and practical learning are directed by law enforcement professionals representing local and federal agencies. Because a large number of Career Center Criminal Justice students graduate then enroll in a two or four-year college or university, academic excellence is stressed. Additionally, a Forensic Science elective class is available where students can learn beginning and advanced investigative techniques.

Culinary Arts

Enter the world of culinary expertise and restaurant management through this exciting, creative, and fast-paced career preparation program. Students gain experience by learning all facets of restaurant and food service operations by managing the award-winning restaurant, The Greene Room. Menu planning food preparation, service and sanitation are key components to the Culinary Arts experience.

Cybersecurity

Cybersecurity is a career field that integrates into all of our lives from our smartphones and home security systems to corporate intellectual property and industrial processes. Students in cybersecurity will be learning the latest techniques to be successful in the evolving industry. In this program, you will learn the hardware, software, and security skills needed to be a successful cybersecurity technician as well as the foundation required for college success.

Digital Design and Development

From apps to internet and design, to user experience, we are constantly interacting with the technology around us. The demand for trained IT designers is increasing with every piece of new technology that comes across the counter. The Digital Design and Development pathway provides our students with this diversity and a broad range of hands-on software engineering learning opportunities in the graphic and web design fields.

Drone & UAS Technology

Students in this cutting-edge program will learn the knowledge and skills to work in the emerging UAS (Unmanned Aerial Systems) industry. Drones are changing the world around us from construction inspection to search and rescue to precision agriculture to photography. This career has many paths and students will earn the FAA Part 107 Remote Pilot License to be a licensed UAS pilot. Students will also learn GIS (Geographical Information Systems), mission planning, and UAS maintenance, repair, and modification. This program will take place in our unique Take Flight Lab with a full indoor flying space and flight deck.

Electrical Wiring and Motor Controls

Graduates traditionally find employment with union and non-union contractors working on construction projects both regionally and nationally. This program gives you a head start on earning journeyman status as a certified electrician through our unique Pre-Apprenticeship program. Students who excel academically, obtain the skills necessary in their career-technical program, and have met a stringent attendance requirement may apply for the Pre-Apprenticeship program.

Health Science Academy

The Health Science Academy provides opportunities for you to start your career and degree in the medical field. GCCC has a unique partnership with Clark State College to fast-track students to a Licensed Practical Nurse (LPN) which can be a launching point to any health-related field. Students start with the State Tested Nursing Assistant (STNA) certification, providing a strong foundation to all medical careers, and will have the opportunity to earn several college level courses and additional certifications. The Health Science Academy is closely tied with Sinclair Community College and Clark State Community College and provides the opportunity for college credits to transfer seamlessly to all pathways. This rigorous program is open to all students and successful students have shown to have a strong academic background.

Information Technology

Greene County Career Center's IT lab is an excellent operation thanks to incredible equipment and an instructor with decades of experience. The IT program is divided into specialties that students can explore and gain proficiency with hands-on training. Areas of concentration include information services and support, programming and software development/applications, network systems, A+ personal computer repair and troubleshooting, and network security administration.

Natural Resource Technology

Lab-based projects with related instruction may be applied in commercial, residential, governmental and recreational environments. Learn the basics of the diverse "green" industries before declaring an area of concentration picked from a variety of disciplines. Career pathways offered through Natural Resource Technology lead students to excellent opportunities in the local workforce or at area colleges and career schools.

Power Equipment Mechanics

Master a variety of skills as you operate, maintain, and repair various vehicle and equipment systems from chainsaws, string trimmers, and mowers to large tractors, combines, and semis, including gasoline and diesel engines. Greene County is recognized around Ohio for its strong agricultural base. Qualified technicians who can operate ,maintain, and repair agricultural and industrial equipment are in high demand. Additionally, the program has strong connections to the local agricultural community.

Sports and Exercise Science

This challenging program provides instruction into techniques approved by the American College of Sports Medicine (ACSM) and National Strength and Conditioning Association. Greene County Career Center's commitment to the program includes the development of a state-of-the-art fitness/workout facility complete with diagnostics and therapeutic equipment.

Veterinary Science

Handle and provide care for a variety of animals. Hands-on experiences give students comfort and confidence around all animals, large and small. After establishing a set of basic skills, students will be exposed to all aspects of veterinary care. The facility's small animal care hospital features the same equipment found in professional veterinary operations. During laboratory time, students will develop and practice patient care. Become part of a hospital team that works together as a close-knit team. Employability skills like attendance, communication, reliability and professionalism are stressed every day.

Video and Animation

The Video and Animation lab at Greene County Career Center covers one of the fastest-growing career pathways. The program offers state-of-the-art technology, producing 4k and 2k projects in a number of platforms. The lab boasts a live news studio and control room that is used to simulate a real-life work environment. Students work on collaborative projects in a team-based environment to prepare them for the workforce.

Welding & Metal Fabrication

The welding industry is looking for talented, committed and qualified welders. It is projected that there will be a shortage of 400,000 welders nationwide by 2025. In Welding and Metal Fabrication you will develop entry-level and advanced skills in shop safety, metal characteristics, welding applications and project management. Beginning with a state-of-the-art welding simulator, you soon advance to using the lab's new down-draft welding tables. You will learn to identify and weld carbon steel, stainless steel, and aluminum. Seniors may also learn the gas tungsten arc process in aerospace welding plus blueprint reading.

Career X

The goal of Career X is to give you the skills and confidence to enter career fields that are the right fit for your interests and skill set. This program offers training in employability skills, life skills, and career exploration which enables you to enter a career technical program at the Greene County Career Center, enroll as a deferred-diploma student in Project Search at an area hospital, gain employment through an adult agency, or earn a referral to an adult agency.

The application process for this program is separate from other Greene County Career programs and is posted on the school's website.

Career Based Intervention

Career-Based Intervention (CBI) is a work-based program on the main campus for senior students who will benefit from being employed during the regular school day. This unique individualized program uses the collaboration of the student, parent, employer and Greene County Career Center to help students graduate from high school and be productive workers. Parents and students interested in this program should contact CBI instructor Joanne Hodgson at jhodgson@greeneccc.com.

Project SEARCH

Project Search is a high school transition program for students who defer their graduation for one year. Total workplace immersion facilitates a seamless combination of classroom instruction, career exploration, and relevant job-skills training through strategically placed internships.

Greene County Career Center offers Project Search through partnerships with local businesses. The application process for this program is separate from the other Greene County Career Center programs and is posted on the school's website.

Coming Soon - HVAC/R

Learn how to adjust more than the thermostat in GCCC's upcoming HVAC/R program. Students will gain skills in heating, colling, ventilation, refrigeration, and customer service while working toward EPA universal certification on residential and light commercial applications. Students will learn to work with Direction Digital Control (DDC) systems and learn essential technologies for a variety of environments.