

Lafayette High School

Course Directory

2021-2022



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Completing the Subject Choice Card

Lafayette is on the Alternating Day—Block Schedule System (A day and B day). In order to have a complete schedule, each student should choose 8 courses.

Most classes are full-year courses. However, some elective courses are only 1 semester, so you must choose two 1-semester courses to have a complete schedule. Below is a portion of a sample schedule card that has been completed.

Please list two (2) alternate elective courses in case some of your selections cannot, for some reason, be scheduled.

Course number	Course title		Teacher's Initials
	English		
230110.1321	English 2		
230110.1367	Adv English 2	✓	LG
	English Electives		
500511.3930	Introduction to Theatre	✓	
230402.2014	Adv Writing 101	✓	SM
230140.1992	Science Fiction Literature (1st sem.)	✓	
230140.3980	World Mythology (2nd sem.)	✓	

Definition of Terms in the Course Directory

Prerequisites - Courses that must be successfully completed before the student is eligible to take a desired course are called “prerequisites”; they are listed at the end of each course description. Each prerequisite should be considered carefully to determine eligibility to take the course.

Advanced Placement - An Advanced Placement (AP) course is one using guidelines approved by The College Board with the expectation that students taking the Advanced Placement Exam will earn possible college credit. These courses are weighted when calculating rank in class and grade point average.

Advanced Courses - Some courses are taught at an advanced level.

Elective Courses - Courses in which the student's choice can be exercised, but which may count toward graduation, are called "electives."

Required Courses - Required courses are those specific courses required for graduation by the Kentucky Board of Education.

Grade level requirement - There are some courses throughout this Course Directory that are available to certain grade levels. Those courses have those grade levels identified. If there is no grade level specified, the course is available for grades 9-12.

Grading Scales - The following are the grading scales used at Lafayette:

Main grading scale: A = 100-90 • B = 89-80 • C = 79-70 • D = 69-60 • F = 59-50

Dual Credit grading scale: A = 100-90 • B = 89-80 • C = 79-70 • D = 69-60 • F = 59-0

Quality Points - The following points are awarded and used in determining Grade Point Average (GPA) and class rank:

A = 4 • B = 3 • C = 2 • D = 1 • F = 0

Advanced, AP and Dual Credit courses use a weighted point value in determining GPA and class rank. They are as follows:

A = 5 • B = 4 • C = 3 • D = 2 • F = 0

Credit - Typically, 1/2 credit is earned each semester per course successfully passed.

Fees - These are set by the Fayette County Board of Education and are subject to change. These can include technology/textbook fees in addition to course fees. Course fees within this Directory are for the school year unless otherwise noted.

Phase Level – To determine the level of difficulty in courses, look at the course title. Courses that are advanced have "Adv" or "Advanced" in the title. Courses that are Advanced Placement (or college paced) have "AP" in the title.

Promotion Requirements

Class	Credits to earn
9 th grade to 10 th grade	6
10 th grade to 11 th grade	12
11 th grade to 12 th grade	18
To Graduate	26

The following page illustrates the specific courses that are required for graduation. As will be seen, there are electives required, which afford students the opportunity for choice in course selection.

Lafayette Minimum Graduation Requirements

SUBJECT	CREDITS	COURSES
English	4	English 1, 2, 3, 4
Mathematics	3	Algebra 1, Geometry, Algebra 2
Science	3	Int. Phy. E/Sp, Int. Chem. E/Sp, Biology
Social Studies	3	Adv Government, Adv World History, U.S. History
Health & PE	1	Health & Physical Education
Arts & Humanities	1	VPA (or 3 arts courses in same discipline)
Electives	11	Student choice
Totals	26	

Pre-College Recommendations for Public Universities

SUBJECT	CREDITS	COURSES
English	4	English 1, 2, 3, 4
Mathematics	3	Algebra 1, Geometry, Algebra 2
Science	3	Intro Physics E/Space, Biology, Chemistry
Social Studies	3	Adv Government, Adv World History, U.S. History
Health & PE	1	Health & Physical Education
Arts & Humanities	1	VPA (or 3 arts courses in same discipline)
World Language	2	French, Japanese or Spanish
Electives	9	Student choice
Totals	26	

Pre-College Recommendations for Selective Colleges

SUBJECT	CREDITS	COURSES
English	4	Advanced or AP
Mathematics	4	Advanced or AP
Science	4	Advanced or AP
Social Studies	3–4	Advanced or AP
Health & PE	1	Health & Physical Education
Arts & Humanities	1	Advanced (or 3 arts courses in same discipline)
World Language	4	Advanced or AP
Electives	3–4	Student choice
Totals	26	

Possible High School Schedule Scenarios

Minimum Graduation Requirements

9th grade	10th grade	11th grade	12th grade
English 1	English 2	English 3	English 4
Algebra 1	Geometry	Algebra 2	Math course
Intro Physics E/Space	Intro Chem. E./Sp.	Biology	Elective
Adv Government	Adv World History	U.S. History	Elective
Elective	Health & PE	Adv Vis./Perf. Arts	Elective
Elective	Elective	Elective	Elective
Elective	Elective	Elective	Elective
Elective	Elective	Elective	Elective

Minimum Pre-College Requirements

9th grade	10th grade	11th grade	12th grade
English 1	English 2	English 3	English 4
Alg. 1 / Adv Geom.	Geometry / Alg. 2	Alg. 2/Alg. 3 /Precal.	PreCal. or Calc. 1
Intro Physics E/Space	Biology	Chemistry	Physics
Adv Government	Adv World History	Adv U.S. History	Elective
World Language	World Language	Adv Vis./Perf. Arts	Elective
Elective	Health & PE	Elective	Elective
Elective	Elective	Elective	Elective
Elective	Elective	Elective	Elective

Accelerated Pre-College Curriculum

9th grade	10th grade	11th grade	12th grade
Adv English 1	Adv English 2	AP English Language	AP Eng. Lit./Dual Cr.
Adv Geometry	Adv Alg. 2 / Adv Precalculus	Adv Precal. or Adv Calc. 1	AP Calc. AB or BC / AP Statistics
Adv Intro Physics E/Space	Adv Biology	Adv Chemistry	Adv or AP Physics / AP Bio. / AP Chem.
Adv Government	Adv/AP World Hist.	Adv/AP U.S. History	Adv/AP elective
World Language	World Language	Adv World Language	Adv/AP World Lang.
Elective	Health & PE	Adv Vis./Perf. Arts	Elective
Elective	Elective	Elective	Elective
Elective	Elective	Elective	Elective

ART

Note: Students may be required to purchase additional supplies for ALL art courses.

Art 1

Credit: 1

This course is designed to teach the principles and elements of design and basic drawing skills. A variety of drawing skills will be experienced with emphasis on line, shape, form, color, value and texture; introduction to painting media and simple printmaking processes; introduction to three-dimensional art and crafts. Additional fee: \$50. **Note: This is an introductory level course which serves as a prerequisite for most other art courses.**

Crafts

10th-12th

Credit: 1

The student will create many functional pieces of artwork in this course. Projects may include: friendship bracelets, crocheting, knitting, weaving, clay, macramé and jewelry making. Additional fee: \$70.

Drawing 1

10th-12th

Credit: 1

This course is designed to teach basic drawing skills, and to develop a sensitivity to line, space, form, texture, color and shape. Various methods and media will be explored. Additional fee: \$50.

Drawing 2

11th-12th

Credit: 1

This course is designed for the student who has developed the basic drawing skills taught in Drawing 1. Emphasis is directed toward a better understanding of individual drawing styles through diversified approaches. Prerequisite: Drawing 1. Additional fee: \$50.

Painting 1

10th-12th

Credit: 1

The student will develop techniques required in painting media. Students will be involved with color theory as it applies to the painting processes (oil/acrylic). Functions of known artists' works, schools and styles will be explored with an emphasis on experimentation with the media. Additional fee: \$70.

Painting 2

11th-12th

Credit: 1

Advanced methods and techniques of painting using technical, decorative, communicative and expressive natures of painting will be explored. Prerequisite: Painting 1. Additional fee: \$70.

Beginning Pottery

10th-12th

Credit: 1

This course is designed to introduce the student to the medium of clay and methods of clay construction, development of skills in forming and finishing. Emphasis will be placed on hand-forming methods of pinch, coil and slab techniques. Additional fee: \$70.

Pottery 2

11th-12th

Credit: 1

This course is designed for the student who has previous knowledge of skills and techniques used in hand-built and wheel-thrown pottery. Emphasis will be on historical and contemporary ceramics and use of personal concepts. Prerequisite: Beginning Pottery. Additional fee: \$70.

Sculpture

10th-12th

Credit: 1

In this course, the student will explore opportunities to learn and express their ideas in three-dimensional media, creating awareness of form and space. A variety of materials, including work in leather, clay, metal, papier-mâché and polymer and techniques will be utilized. Additional fee: \$70.

Digital Imaging

Credit: 1

In this course, students will learn photography as a tool and an art form. Concepts learned will include: the history of photography, the photographic process, camera techniques, composing and taking photographs, elements of good photographic design, digitally-produced special effects and presentation of work. Technical skills will be taught in conjunction with the creative process. There is also an opportunity to investigate careers in the field of photography. Required: Flash drive (8 GB). Additional fee: \$70.

Interactive Design (Film / Animation)

Credit: 1

Students will use creative and conceptual aspects of designing and producing interactive media arts experiences and products and services. This includes film/videography and photography techniques, animation, interface design, mobile device applications, web multimedia, social media based, augmented, and/or virtual reality. Additional fee: \$70.

Introduction to Media Arts

Credit: 1

This course will create a more dynamic art student who is better prepared to enter graphic art colleges and careers. Students will use type and image to create meaning. Students will learn to use Photoshop to inform, persuade and educate target populations. Through the use of animations, business logos, magazine layouts, CD jackets, etc., students will create images from the perspective of the visual artist. Additional fee: \$70.

Two-Dimensional Media Design

10th-12th

Credit: 1

This course will continue to build upon what students learned in Introduction to Media Arts through the use of Adobe CS4. Students will create animations and fine art pieces to build a portfolio for college admittance and work applications. Prerequisite: Intro. to Media Arts. Additional fee: \$70.

Advanced Production Design

11th-12th

Credit: 1

Building upon skills and knowledge from Two-Dimensional Media Design, this course will focus on honing graphic art skills so the successful student is qualified to enter the work force, university or school of design in this field. Prerequisite: Two-Dimensional Media Design. Additional fee: \$70.

Media Arts Internship

11th-12th

Credits: 4

This course provides students pursuing CTE Media Arts courses with a media, graphics, film, etc., work-site experience. Students will work as an intern with a media entity and are responsible for securing an approved internship location. Prerequisites: instructor approval and successful completion of two courses in the media arts pathway preferred. **Note: Only one credit of Internship may be used for KEES Scholarship purposes. Therefore, four other classes must be scheduled to earn at least 5 total credits for KEES qualification.**

AP Studio Art

12th

Credit: 1

This is a special college-level course that takes a full academic year. It is challenging and stimulating and, compared to other high school art courses, often takes more commitment, requires more work, gives greater opportunity for individual progress and accomplishment and explores subjects in greater depth. This course is a preparation for the AP Studio Art Exam. Prerequisite: consent of instructor. Additional fee: \$70.

Arts & Humanities

Advanced Visual & Performing Arts

11th-12th

Credit: 1

Students will study the cultural and historical significance of art, music, dance, theatre and architecture. The course content includes a study of the evolution of these art forms and is designed to broaden student appreciation of the role of the arts in human culture. This course fulfills the graduation requirements for the Arts and Humanities. Additional fee: \$5.

Art 130 Dual Credit

11th-12th

Credit: 1

This course examines the nature of visual art experiences, formal and expressive characteristics of art, historical concepts and movements, and the relevance of art to one's life. It will satisfy the Art Appreciation (Humanities) graduation requirement. A college application will be completed at a later date. **Note: there might be a college fee required to take this course.**

BUSINESS & MARKETING

Accounting & Finance Foundations

10th-12th

Credit: 1

This full-year course will provide a study of the principles of accounting. Students will develop skills in payroll records, taxes and reports, special journals, depreciation, notes and interest, inventory control and corporate reports. Automated accounting concepts will be introduced. Additional fee \$20.

Advanced Accounting

10th-12th

Credit: 1

This course is designed for students who might be interested in majoring in Accounting, or business, in college. It could also be beneficial to someone who wants to start their own business after graduation, or sometime in the future. The focus will be on how a business runs on a daily basis. A natural ability in math is helpful. Prerequisite: successful completion of Algebra 1. Additional fee \$20.

Advanced Marketing Applications

10th-12th

Credit: 1

This "school store" course is designed as an in-depth study of merchandising techniques and management skills. This course is based on the business and marketing core that includes communication skills, economics, operations, professional development, promotion, selling, distribution and product/service management. Leadership development will be provided through DECA activities and competitive events. Prerequisite: successful completion of any marketing course. For successive years, students must successfully complete the prior year's Marketing Applications course. Additional fee \$5.

Business & Marketing Essentials

Credit: 1

This full-year course will provide a basic foundation for further study in business and marketing classes. It will offer experiences in all phases of money management and using the services of financial institutions. Automobile insurance, home insurance, life insurance, social security and the tax system will be covered. Additional fee \$5.

Digital Literacy

Credit: 1

The student will utilize Microsoft Office and develop "touch" keyboarding skills, proper techniques, speed and accuracy in keyboarding for professional and personal use. Course content includes word processing, spreadsheets, desktop management and electronic communication. In addition, the *G Suite of Tools* (from Google) will be explored. Additional fee \$5.

Ethical Leadership

Credit: 1

This is a principles-based ethics course introducing students to key leadership and ethical knowledge and skills, including integrity, trust, accountability, transparency, fairness, respect, rule of law, and viability. Throughout the course, students apply ethical principles to contemporary, real-world situations that teens and young adults often encounter in school, at home, with friends, and in entry-level job positions. They examine the concept of ethical leadership and strengthen their leadership and ethical decision-making skills through the planning, implementation, and evaluation of at least one class service-learning project. Additional fee \$5.

Entrepreneurship

11th-12th

Credit: 1

Principles of Entrepreneurship (Standard) introduces students to a wide array of entrepreneurial concepts and skills, including the role of entrepreneurship in our economy, entrepreneurial discovery processes, ideation, and preliminary start-up venture planning. Students also develop an appreciation for marketing's pivotal role in the development and success of a new business. They become acquainted with channel management, pricing, product/service management, and promotion. Students conduct thorough market planning for their ventures: selecting target markets; conducting market and competitive analyses; forecasting sales; setting marketing goals and objectives; selecting marketing metrics; and setting a marketing budget. Additional fee \$5.

Microsoft Office

10th-12th

Credit: 1

As an extension of Digital Literacy, students will have the opportunity to increase their computer skills. Advanced functions and integration of Microsoft Word, Excel, Access, and PowerPoint will be taught. Students will work toward *MOS/MCAS Certification* in one or more of these Microsoft areas. In addition, students will utilize internet access to complete various projects. Prerequisite: Digital Literacy. Additional fee \$5.

Personal Finance

10th-12th

Credit: 1

This course is designed to provide students with the knowledge and skills to manage one's financial resources effectively for lifetime financial security. Dave Ramsey's *Foundations in Personal Finance* is utilized throughout the year. Topics include savings, investment options and retirement planning, wealth building and college savings, dangers of debt, consumer awareness, bargain shopping, budgeting, credit and consumer rights. Leadership development will be provided through Distributive Education Club of America (DECA). Additional fee \$5.

Principles of Marketing

Credit: 1

Students will study the development of products and then explore what occurs in the marketplace by studying purchasing, pricing and distribution functions. Decision-making and problem-solving skills are involved in most units. The employment skills learned will improve and increase the chance for successful transition into the world of work. This course, or Sports & Event Marketing, qualifies students for Marketing Education Co-Op as a senior. Additional fee \$5.

Sports & Event Marketing

Credit: 1

Students will study the marketing of any number of consumer products and services through the utilization of the sports enterprise. Students will understand concepts and strategies needed to communicate information about products and services to achieve maximum return and meet customers' expectations. Students will learn the economic principles and concepts fundamental to marketing within a sports context. This course, or Principles of Marketing, qualifies students for Marketing Education Co-Op as a senior. Additional fee \$5.

Business Education Co-Op

12th

Credit: 3-5

This senior year course **requires** a student to work in a paid business position for a minimum of fifteen hours per week (no home-based work). The work is supervised by a coordinating teacher. In addition, the student is enrolled in a one-block Business class. Prerequisite: any of several business courses; see your current business teacher for details. **Note: Only one credit of Co-Op may be used for KEES Scholarship purposes. Therefore, four other classes must be scheduled, including a morning Business class, to earn at least 5 total credits for KEES qualification. Additional fee \$15.**

Marketing Education Co-Op**12th****Credit: 3-5**

This senior year course **requires** a student to work in a paid retailing position for a minimum of fifteen hours per week (no home-based work). The work is supervised by a coordinating teacher. In addition, the student is enrolled in a one-block Retail Marketing Management class. It is designed to enhance marketing skills developed in the marketing prerequisite courses and to learn advanced marketing skills in such areas as advertising, customer service, supervision, and employee/employer relations for a wide range of marketing careers. It is based on the business and marketing core that includes communication skills, emotional intelligence, economics, marketing, operations, promotion, marketing-information management and financial analysis. Leadership development will be provided through DECA activities and competitive events. Prerequisite: Principles of Marketing **or** Sports & Event Marketing. **Note: Only one credit of Co-Op may be used for KEEES Scholarship purposes. Therefore, four other classes must be scheduled, including the morning Retail Marketing Management class, to earn at least 5 total credits for KEEES qualification. Additional fee \$15.**

Web Page Design**10th-12th****Credit: 1**

In this course, students will learn how to develop and maintain interesting, useful and educational web sites. Many software applications will be used to develop/maintain the sites. Strong communication and presentation skills will be developed as students help maintain the school web presence. Students will gain the skills necessary to plan, create and maintain an interactive website.

ENGLISH**English 1****9th****Credit: 1**

The course integrates composition, literature and language studies, incorporates abstract thinking, creative problem solving and other higher-level reasoning skills. A critical study of literary style is also covered.

English 2**10th****Credit: 1**

An integrated study of literature, composition and language will also incorporate effective oral and written communication studies. Narrative, descriptive, analytical and expository writing will be prepared and vocabulary expanded. Discussion and problem solving will also be included.

English 3**11th****Credit: 1**

Literature, composition and language will be studied in an integrated process to develop better comprehension and application skills. Oral and written activities will be emphasized as a means of learning. Critical and analytical perspectives will be examined in relation to the material studied.

AP Seminar**10th****Credit: 1**

This is a foundational research course that aims to equip students to analyze and evaluate information in order to craft and communicate evidence-based arguments. This course fulfills the English 2 graduation requirement. This course is a preparation for the AP Seminar exam.

AP English Language & Composition**11th****Credit: 1**

Comparable to a college composition class, this course provides training for the skilled reading of prose written in a variety of periods and rhetorical contexts. Both reading and writing are used to illuminate the interaction between author's purpose, audience needs, the subject itself, generic conventions, syntax, word choice and tone. This course is a preparation for the AP English Language & Composition exam. Additional fee \$20.

English 4**12th****Credit: 1**

Literature, composition and language will be studied in an integrated process to strengthen and prepare students for college-ready status. Writing to learn and flexibility in writing will be emphasized as students respond to literature, adjust purposes and consider varied audiences. Abstract thinking and creative problem-solving with an analytical focus will prepare students to communicate with others in academic-world and real-world settings.

AP English Literature & Composition**12th****Credit: 1**

This course provides for a careful reading of literary works for the purposes of developing critical standards for the independent sensitivity to literature as shared experience. The individual work, its structure, meaning and value are studied. The study and practice of writing will be included and textual, critical and interpretive responses to literature will be required. The course is a preparation for the AP English Literature & Composition exam. Additional fee \$20.

English 101 Dual Credit**12th****Credit: .5**

This course fulfills the 1st semester of the English 4 course requirement, as well as the first semester of college English. It focuses on academic writing and provides instruction in drafting and revising essays that express ideas in Standard English, including reading critically, thinking logically, responding to texts, addressing specific audiences and researching and documenting sources. A completed Bluegrass Community & Technical College (BCTC) application is needed. This course is paired with English 102. **Note: there might be a college fee required to take this course. Kentucky State University (KSU) is a possible option for those who do not qualify for the BCTC option.**

English 102 Dual Credit**12th****Credit: .5**

This course fulfills the 2nd semester of the English 4 course requirement, as well as the second semester of college English. It emphasizes argumentative writing and provides further instruction in drafting and systematically revising essays that express ideas in Standard English. Additionally, it includes continued instruction in and practice in reading critically, thinking logically, responding to texts and researching and documenting credible academic sources. A completed BCTC application is needed. Prerequisite: English 101. **Note: there might be a college fee required to take this course. Kentucky State University (KSU) is a possible option for those who do not qualify for the BCTC option.**

English Electives

Advanced African American Literature**Credit: 1**

Students will explore the complicated history and progress of African American literature and analyze the craft of major African American writers to develop and strengthen skills in reading, writing and critical thought with literature.

Advanced Speech**Credit: 1**

This course explores a wide variety and range of public speaking skills including: extemporaneous speaking, original oratory, oral interpretation and storytelling. Students will sharpen research, questioning and rebuttal skills. Students will analyze pieces of literature, create and deliver orations, write arguments and evaluate performances. When available, there is also the opportunity to participate in Speech and Debate competitions via the Lafayette Speech and Debate Team.

Advanced Writing 101**Credit: 1**

This is a writing workshop course. Students will explore various styles of writing by reading and writing poetry, short stories, vignettes and essays. Further, students will participate in Genius Hour to develop their own writing skills by creating an inquiry question to explore throughout the year. Genius Hour allows students to explore their own passions and encourages creativity while providing students a choice in what they learn during school. In the past, students' Genius Hour work has included learning to write a novel, starting a blog, writing and filming a movie.

AP Art History**11th-12th****Credit: 1**

AP Art History is an in-depth, chronological survey of painting, photography, architecture and sculpture within the Western tradition along with selected works from a variety of cultures beyond the European tradition. Formal and contextual analyses are the primary skills which will move students toward masterful discussion and understanding of the visual arts. This course will prepare students for the AP Art History exam. Additional fee: \$20.

AP Research**11th-12th****Credit: 1**

AP Research allows students to deeply explore an academic topic, problem, issue or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in AP Seminar by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Prerequisite: successful completion of AP Seminar.

Science Fiction Literature**Credit: .5**

A course for students with active imaginations, who are interested in role-playing activities, visions of the future with all of the predictions that have come to pass, and science and technology and its role in literature. This course is paired with World Mythology.

World Mythology**Credit: .5**

This course will review world mythology and its influence on civilization as evidenced through numerous pieces of literature. Composition will include analysis, comparison and explication as well as other types. This course is paired with Science Fiction Literature.

Journalism**Credit: 1**

This course offers extended, in depth experiences in journalism. Language arts skills will be used to write news articles, feature articles, and opinion pieces on school sports, clubs, events, student achievements and student issues. Topics of study will include: journalistic writing and production, copy editing, headline and lead writing, story planning, journalistic research, interviewing, marketing and sales strategies, photography, and electronic layout and design. Students will publish their writing on *The Lafayette Times* website. **Application required.** Additional fee: \$25.

Yearbook**10th-12th****Credit: 1**

This course covers all aspects of producing a yearbook, including the following special emphases: marketing (selling \$300 of business/recognition advertisements, assisting with book promotion and sales), journalistic writing, photography, real-world communication (via email, meetings, etc.) and principles of layout design and web-based publication. An ideal yearbook student is confident, independent, comfortable talking to others and forward thinking. Students are required to go to places of business for ad sales, attend school functions and meet deadlines. General language skills will be refined and the techniques of yearbook production will be practiced with the yearbook as the final project. **Application required.**

ENGLISH LANGUAGE LEARNERS

English Language Learner (ELL) courses are provided for all non-English speaking students, grades nine through twelve, with the exception of foreign exchange students. Students who qualify for the ELL program are identified through the Home Language Survey and English proficiency testing which is done at the Board of Education offices. The goal of the program is to help English language learners achieve a level of proficiency in English which will allow them to be successful in mainstream classes. The ELL program includes classes in English, reading and social studies.

Experience Based Career Education (EBCE)

12th

Credit: 2-4

Academic Internships through the EBCE program are designed to utilize the entire community as a classroom. Seniors are provided opportunities to observe, study and apply academic skills in a variety of businesses and industries, as well as public and private agencies. While spending two or more hours a day in the internship program, a student can earn 2-4 academic credits. Students select their own internship experiences from a list of over 1,000 established community sites. The internship Advisor assists the student in examining personal interests, abilities, aptitudes and relating them to career opportunities. The *Community Service* course is an option should seniors not be accepted into the EBCE program. **Note: Only one credit of EBCE, or Community Service, may be used for KEES Scholarship purposes. Therefore, four other classes must be scheduled to earn at least 5 total credits for KEES qualification. Additional fee \$15.**

FAMILY & CONSUMER SCIENCES

Life Skill Essentials

9th-10th

Credit: 1

This comprehensive course provides an opportunity for acquiring basic life skills and allows students to select specific areas for concentrated study. Emphasis is on work and family, adolescent development, selection and care of clothing, consumer spending, housing choices, challenges of child rearing and guidance in establishing relationships. Leadership development will be provided through the Family, Career and Community Leaders of America (FCCLA), a student organization. Additional fee: \$30.

Money Skills

Credit: 1

This course is designed to prepare students to understand and use sound financial management skills and practices contributing to financial stability, improving the quality of life for individuals and families. Decision making, problem solving, goal setting and using technology are integrated throughout the content. Areas of study will include stock markets, bonds, futures, commodities, among others topics. Additional fee: \$30.

Foods & Nutrition

10th-12th

Credit: 1

Gourmet foods will be emphasized in this course covering a wide variety of cooking techniques through demonstration and foods lab experience. Emphasis will be given to methods of making food appetizing and attractive such as garnishing. Additional fee: \$60.

Culinary Arts 1

10th-12th

Credit: 1

This advanced course allows students to increase competencies in a variety of food preparation techniques. Emphasis will be placed on food presentation, garnishing, menu planning and the skills necessary to prepare for a career in the culinary arts profession. Additional fee: \$60.

Culinary Arts 2

11th-12th

Credit: 1

In this course, students resume progress in pursuing competencies in food production and services. Development of food preparation skills are reinforced. Food service management functions are introduced. More in-depth information is provided and higher levels of skills are taught. Time is provided for work based learning opportunities and competition through the Pro Start program. Prerequisite: Culinary Arts 1. Additional fee: \$60.

Culinary Arts Co-Op

12th

Credit: 4

This full year course **requires** students to work in a paid Culinary Arts position for a minimum of fifteen hours per week. The field site work is supervised by a coordinating teacher. Prerequisite: Culinary Arts 1. **Note: Only one credit of Co-Op may be used for KEES Scholarship purposes. Therefore, four other classes must be scheduled to earn at least 5 total credits for KEES qualification. Additional fee: \$15.**

Fashion & Interior Design 1 & 2**10th-12th****Credit: 1**

These courses provide opportunities for students to develop career competencies in the fashion and/or interiors industry by applying information related to social, economic and media influences. Students apply knowledge of design principles and processes through skill performance activities. Work experience will be explored. Prerequisite for Fashion & Interior Design 2 is Fashion & Interior Design 1. Additional fee: \$25.

Fashion & Interior Design Co-Op**12th****Credit: 4**

This full-year course **requires** students to work in a paid Fashion & Interior Design position for a minimum of fifteen hours per week. The field site work is supervised by a coordinating teacher. **Note: Only one credit of Co-Op may be used for KEES Scholarship purposes. Therefore, four other classes must be scheduled to earn at least 5 total credits for KEES qualification. Additional fee: \$15.**

Early Lifespan Development**Credit: 1**

Students will have the opportunity to study the social, emotional, physical and mental development of the preschool child. Through work with preschool children in a playschool setting, students will gain experiences in planning and implementing creative activities, practicing positive guidance techniques and observing children's behavior. Additional fee: \$60.

Parenting**10th-12th****Credit: 1**

This course is designed to aid students in developing parenting and care-giving skills. Major topics include becoming an informed parent, understanding prenatal development, caring for the newborn among others. This course is part of the Early Childhood Education pathway. Additional fee: \$60.

Child Development Services 1**11th-12th****Credit: 2**

This full-year course **requires** training for entry-level positions in day care centers, nurseries, kindergartens and private homes. Students study careers in child development, child development and guidance, children's health and well-being in group care, value of play, teaching strategies and management and curriculum development. The subject content is reinforced with work experience in a variety of childcare settings. Students work with preschool children at Lafayette. Prerequisite: Early Lifespan Development. This course meets for two blocks every other day. Additional fee: \$60.

Early Childhood Education Co-Op**12th****Credit: 4**

This full-year course **requires** students to work in a paid child development position for a minimum of fifteen hours per week. The field site work is supervised by a coordinating teacher. **Note: Only one credit of Co-Op may be used for KEES Scholarship purposes. Therefore, four other classes must be scheduled to earn at least 5 total credits for KEES qualification. Additional fee: \$15.**

HEALTH/PHYSICAL EDUCATION

Controlling Stress 1**Credit: 1**

This course will examine the relationship between body and breath as it relates to our overall state of wellness. Students will practice yoga and mindfulness, effective communication and complete journal entries. Guest speakers will share their perspective on various stress reduction modalities. **This course is an elective; it does not count for the required Physical Education course. Additional fee: \$10 per semester.**

Fitness & Weight Management**9th****Credit: 1**

In this course students will begin by assessing their current physical condition. With the instructor's assistance, students will set realistic goals to reach personal health-related objectives. Students will learn about exercise, conditioning and basic concepts of fitness. They will also participate in a variety of physical activities which will contribute to their fitness. **This course is an elective; it does not count for the required Physical Education course.** Additional fee: \$10 per semester.

Health Education**10th****Credit: .5**

This course will involve discussing the topics of mental health, drugs, alcohol and tobacco, sex education, sexually transmitted diseases, infectious diseases, safety and first aid, cardiopulmonary resuscitation (CPR), nutrition, consumer health and non-infectious diseases. Additional fee: \$10 per semester.

Physical Education**10th****Credit: .5**

This course will involve the teaching of lifetime leisure sports, individual sports and team sports. Skills learned will be reinforced and advanced skills will be introduced. Additional fee: \$10 per semester.

Physical Education 2**11th-12th****Credit: 1**

In this course, students will study information that will assist them for the rest of their lives. One of the leading issues that faces our community, and nation, is obesity. Students will combat the statistic that puts Kentucky as one of the leading states in obesity and other sedentary lifestyle diseases. Students will have the opportunity to receive all of the benefits that come from regular activity. Prerequisite: Health & PE. Additional fee: \$10 per semester.

Conditioning for Men / Women**11th-12th****Credit: 1**

These courses offer students the opportunity to improve their overall fitness through conditioning techniques to prevent, or reduce, overweight and obesity trends. Students will write fitness and nutrition plans which can then be applied to their everyday lives. Note: sections split by gender. Women's section to be placed in the last block of the day. Additional fee: \$10 per semester.

MATHEMATICS

Three credits in mathematics are required for graduation. **Note: The Kentucky Department of Education requires that students must have Algebra 1, Geometry, and Algebra 2 to graduate and must take a math class each year of high school.**

Algebra 1**Credit: 1**

This course is designed for students who are proficient in basic mathematics and have mastered pre-algebra skills. The objective of Algebra 1 is to develop skills in algebraic manipulation and to give students an understanding of algebra by emphasizing concepts, structure and applications.

Geometry**Credit: 1**

Emphasis is placed on discovery, proof and realistic applications of geometric relationships and principles. Topics will include constructions, inductive and deductive reasoning, points, lines, planes, angles, triangles, planar figures, similarity and congruence, circles, geometric solids, area, volume, locus, coordinate geometry and transformation. Prerequisite: Algebra 1.

Algebra 2**Credit: 1**

In addition to expanding on the mathematical concepts of Algebra 1 and Geometry, emphasis will be placed on preparation for study of higher mathematics - abstract thinking skills, the function concept and the algebraic solution of problems in various content areas. Prerequisites: Algebra 1 and Geometry.

Algebra 3**Credit: 1**

This course is intended for students who may be required to take a specialized calculus course in college. Topics may include, but are not limited to, relations and functions, complex numbers, matrices, vectors, sequences, series and probability. Prerequisites: Geometry or Advanced Geometry; Algebra 2 or Advanced Algebra 2.

Advanced Precalculus**Credit: 1**

This course is intended for students who plan to take a regular calculus course in high school or college. The course covers topics traditionally taught in trigonometry and analytic geometry plus additional functions, e.g., circular, polynomial, absolute value and natural number (sequences and series). Students intending to enroll in this course should have at least a B in all prior mathematics courses. Prerequisites: Advanced Algebra 2 or Algebra 3.

Probability & Statistics**12th****Credit: 1**

Probability & Statistics is a 4th year math course for those seniors who have met the math benchmark ACT score (19 or higher). It is designed to introduce the methods used in the field of applied statistics. Emphasis is given to basic concepts and techniques for collecting and analyzing data, calculating probabilities, establishing mathematical models for making predictions and conducting formal statistical inference based on sample data. Prerequisite: successful completion of Algebra 2.

College Prep Math**12th****Credit: 1**

This course is for students who need additional time and support to complete the 4th year math requirement for graduation or who have not met the math benchmark ACT score, set by the Kentucky Council on Postsecondary Education. It addresses the Kentucky high school core academic standards for math and the ACT's college readiness standards, with a strong emphasis on real world connections and/or connections with other disciplines of study. It does not fulfill the NCAA Eligibility Center criteria for student athletes in NCAA Division I and II member colleges and universities.

Advanced Calculus 1**11th-12th****Credit: 1**

This course is designed for accelerated students who have successfully completed Adv Pre-Calculus. This course covers the material usually taught in differential and integral calculus. Prerequisite: Adv Precalculus.

AP Calculus AB and BC**11th-12th****Credit: 1 each**

These are Advanced Placement courses covering the material usually taught in differential and integral calculus. Students who complete the course may: 1) take the AP exam in Calculus, or 2) if interested in attending the University of Kentucky, take their by-pass exam and to earn college credit. Students intending to enroll in these courses should have at least a B in all prior mathematics courses. Prerequisite: Adv Precalculus. Additional fee: \$20.

AP Statistics**11th-12th****Credit: 1**

The course will include the study of distributions, relations in categorical data, random variables, use and abuse of tests and inference for linear regression. Students intending to enroll in this course should have at least a B in all prior mathematics courses. This course will prepare students for the AP Statistics exam. Prerequisite: Adv Precalculus. Additional fee: \$20.

Math 150 Dual Credit**12th****Credit: .5**

This course covers selected topics in algebra including a brief review of basic algebra, quadratic formula, systems of linear equations, introduction to functions and graphing. Students must have already satisfactorily completed two years of high school Algebra. A completed Bluegrass Community & Technical College application (BCTC) application is needed. Math 150 **does** fulfill the NCAA Eligibility Center criteria for student athletes in NCAA Division I and II member colleges and universities. Recommended: successful completion of Adv Precalculus. **Note: there might be a BCTC fee required to take this course in addition to an online textbook fee.**

Math 170 Dual Credit**12th****Credit: .5**

This course covers an introduction to differential and integral calculus, with applications to business and the biological and physical sciences. Students must have already satisfactorily completed two years of high school Algebra. A completed BCTC application is needed. Math 170 **does** fulfill the NCAA Eligibility Center criteria for student athletes in NCAA Division I and II member colleges and universities. Recommended: successful completion of Adv Precalculus. **Note: there might be a college fee required to take this course in addition to an online textbook fee.**

Computer Science

Introduction to Programming**9th-11th****Credit: 1**

This course is intended to be an introductory course in programming. The content will be the basic syntax of programming language as well as control statements and loops. The emphasis will be on learning to write structured, readable and user friendly programs in Python and Java. Prerequisite: completion of Algebra 1 with a C or better.

Java Programming 1**10th-12th****Credit: 1**

This course is intended to take students beyond the basics acquired in the introductory course and prepare them for further involvement in programming. The content will include the basics of object-oriented programming such as writing classes and methods. The emphasis will be on writing efficient programs using concepts learned and preparing students to take AP Computer Science A. Java will be the main programming language used. Prerequisite: completion of Introduction to Programming with a B or better.

AP Computer Science Principles**9th-12th****Credit: 1**

This course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles also gives students the opportunity to use current technologies to create computational artifacts for both self-expression and problem solving. Students will be able to sit for the AP Computer Science Principles exam at the end of the course. Prerequisite: successful completion of Algebra 1 with a B or better. Additional fee: \$20.

AP Computer Science A**11th-12th****Credit: 1**

This course is designed to prepare students for further work in programming at the collegiate level. The emphasis is on learning to write structured, readable, well-documented programs in Java in addition to preparing students for the AP Computer Science A exam. Prerequisite: completion of Java Programming 1 with a B or better. Additional fee: \$20.

Computer Science Internship**11th-12th****Credits: 4**

This course provides students pursuing CTE Computer Science courses with a computer science work-site experience. Students will work as an intern with a computer programming entity and are responsible for securing an approved internship location. Prerequisites: instructor approval and successful completion of two courses in the computer sciences preferred. **Note: Only one credit of Internship may be used for KEES Scholarship purposes. Therefore, four other classes must be scheduled to earn at least 5 total credits for KEES qualification.**

PERFORMING ARTS

Note: Students enrolled in performing arts courses will be required to participate in out-of-school rehearsals and performances in order to satisfactorily complete these courses.

Soprano-Alto Chorus & Theory (Women) Credit: 1

This course includes the development of choral techniques through the study and performance of choral literature of varying periods and styles written for soprano/alto vocal ranges. The course uses supplementary materials related to general music education to develop the musicianship of the student. No audition required.

Tenor-Bass Chorus & Theory (Men) Credit: 1

Same as Soprano-Alto Chorus above, but for tenor/bass vocal ranges.

Advanced Treble Choir Credit: 1

This course includes the development of choral techniques through the study and performance of choral literature of varying periods and styles written for soprano/alto vocal ranges. The course uses supplementary materials related to general music education to develop the musicianship of the student. Prerequisite: open to students by interview and audition or by recommendation of the director.

SATB Chorus & Theory (Singers) Credit: 1

This course includes the development of choral techniques while performing with a group of select students proficient in reading music. Instruction emphasizes advanced choral techniques which require accurate intonation, tone production, diction and interpretation. Theory is taught in context of music learned for performance. Experiences include a cappella singing and opportunities for solo and ensemble participation. Prerequisite: audition.

Madrigal Singers Credit: 1

The Chamber Singers/Madrigal Singers is a small, select ensemble comprised of students who perform for civic groups, conventions, meetings, churches, synagogues, etc., while giving students the opportunity to study various musical styles such as madrigals, motets, chamber music, folk and popular music. This class is designed for the student who wishes to be involved in a "second" vocal performance ensemble. Prerequisite: audition.

Chorale Credit: 1

Students enrolling in this ensemble must demonstrate advanced music/sight reading ability and advanced vocal development. Theory concepts are taught through the performance repertoire. Experiences include primarily a cappella singing and opportunities for solo and ensemble preparation. Students should have prior ensemble experience. Prerequisite: audition and permission of the director.

Beginning Keyboarding Credit: .5

This semester course is designed for students who have little or no musical keyboard experience. It is to be an exploratory course taught in a group setting. Basic topics covered will be note reading, rhythm reading and basic chord accompaniments. The class format will include individual practice time, group playing time and individual instruction time with the teacher. The course is structured as a guided, self-paced class allowing students of various levels the opportunity to succeed.

Color Guard Credit: .5

The semester course combines performance/competition preparation with equipment and movement instruction at the intermediate to advanced level. Students will be trained in dance in addition to color guard equipment and work with flags, rifles and sabers. Prerequisites: audition/permission of director.

Band & Theory

Credit: 1

This course is designed to provide students with an experience in marching band and concert band literature and fundamentals of music theory. Students selecting this course are to understand that satisfactory completion will **require** out-of-school rehearsals and performances. Prerequisite: All Band & Theory students should have two years playing experience or equivalent ability as determined by the director.

Jazz Band & Theory

Credit: 1

This course is designed to provide an experience in the performance of jazz music. The course provides experiences in jazz concepts including fundamentals of jazz performance, interpretation, harmonic awareness and jazz improvisation. Prerequisite: audition and be concurrently enrolled in a regular band or orchestra class.

Introduction to Music Technology & Industry

Credit: 1

This course is designed for students interested in the fields of music and computer technology. Topics include computer assisted instruction, MIDI, sequencing, music notation software, internet music resources, digital recording and music industry to help students acquire the knowledge and skills contained in the music core content. Prerequisites: prior music class at Lafayette or concurrently taking another music course at Lafayette. **Note:** This is a highly requested course; seniors and juniors have first priority.

String Orchestra

Credit: 1

This course is designed for the student who needs to continue learning skills at the normal pace. In this class we work on intonation in multiple keys, shifting and reading in III position (extensions III, IV positions for cello) and foundations of vibrato. Students have a working knowledge of correct right and left hand shape and are working to refine their posture and technique. There is no audition requirement but students must have been enrolled in an orchestra program in middle school or another high school if transferring.

Concert Orchestra

Credit: 1

This course is designed for the student who is currently working at a high level; higher positions and more complex key signatures are used. Students at this level need to already be comfortable using multiple positions with their instruments. These students have a relaxed left hand position with a polished vibrato and flexibility in right wrist and fingers allowing for more advanced bow techniques such as spiccato and legato. Students must audition for this placement.

Adv Symphonic Orchestra

Credit: 1

This course is designed for the advanced musician. In this orchestra we read in all positions and in all keys. These students display the versatility in left and right hand technique needed to perform many styles of music with a developing musical sensitivity. After school rehearsals and sections will be required. Students must audition for this placement.

Adv Chamber Orchestra

Credit: 1

This course is designed for very advanced students with fluid technique and mastery of all keys and positions. These students desire to express and enhance their musicality through chamber rehearsal and performance. Outside practice routine allows for in class rehearsals, not individual practice. After school rehearsals and sectionals will be required. Students must audition for this placement.

AP Music Theory**12th****Credit: 1**

This course is intended for students who will continue their study of music at the college level or for students who desire to further their understanding of the fundamentals of music. A goal of this course is to develop a student's ability to recognize, understand and describe the basic materials and processes of music that are heard or presented in a score. It is designed to help students develop a thorough understanding of aural and written music theory. All students enrolled are expected to take the AP Music Theory exam. Prerequisite: concurrent enrollment in a school performance group, or letter of recommendation from a current private keyboard or fretted instrument teacher and audition. Additional fee: \$40.

Introduction to Theatre**Credit: 1**

In this highly participatory and performance-based course students will be introduced to theatre performance elements including ensemble building, body, voice, improvisation, musical theatre and character development. Students will perform devised work and scenes in their performance based finals. Additional fee: \$40.

Theatre 2: Acting Techniques**10th-12th****Credit: 1**

This highly participatory and performance-based second year course offers serious drama students an opportunity to focus on acting techniques. Studying theorists such as Stella Adler, Anne Bogart, Uta Hagen, Stanford Meisner, Lee Strasberg, Viola Spolin, and Constantin Stanislavski. Students will create, perform and respond in units on Puppetry and Augusto Boal's theatre for social change and they will devise site-responsive pieces and perform 10 minute plays. Prerequisite: successful completion of Introduction to Theatre. Additional fee: \$40.

Advanced Theatre 3: Theatre History & Theorists**11th-12th****Credit: 1**

In this interactive and practical third year course students will explore theatre history and dramatic literature from Greek Theatre through Contemporary Drama in a performance based curriculum. This course will survey theatre history and cultures across the world including Greek, Renaissance, Shakespeare, Asian, Early 20th Century, Golden age of Musicals, Modern, Broadway and Contemporary. Students will gain an understanding of theatre and its impact on our world and culture. Students will perform a one act play and various devised works. Prerequisites: successful completion of Introduction to Theatre and Theatre 2 with an A or B and instructor's approval. Additional fee: \$40.

Advanced Theatre 4: Directing & Devising**12th****Credit: 1**

In this highly participatory fourth year advanced course students will focus on directing and devising pieces of theatre. Students will explore the directing process from concept/theme through script analysis and staging. Students will direct dynamic scenes from classic and contemporary plays that will be fully mounted at the end of each semester. Students will learn the principles of devising and generate their own work based on themes, ideas, and concepts of their own artistic interests. Work will create a showcase at the end of each semester. Prerequisites: successful completion of Introduction to Theatre, Theatre 2 and Theatre 3 with an A or B and instructor's approval. Additional fee: \$40.

Technical Theatre & Design**Credit: 1**

In this hands-on advanced course, students will begin to work as designers and technical directors. Students will take a play from script to completion as part of a team of theatre artists collaborating together. Students will be responsible for designing the set, lights, props, costumes and sound for all Lafayette theatre and class productions. The Introductory course is for 9th-10th grades; the Advanced course is for 11th-12th grades. Additional fee: \$40.

SCIENCE

Advanced courses are offered for students who have strong interests in pursuing advanced degrees or careers in science related fields.

Intro. Physics with Earth/Space Science **9th** **Credit: 1**

This course includes topics in physics, chemistry and earth/space science. It is the first level course to provide an understanding of the major principals of each discipline and provide a foundation for further study in science. The course will emphasize an inquiry-based laboratory approach to assist students in developing and applying concepts in each area. Additional fee: \$5.

Biology **10th** **Credit: 1**

Course topics will include unity and diversity, cell structure and function, behavior of organisms' molecular basis of heredity, biological evolution and interdependence of organisms. Prerequisite for Adv Biology: successful completion of Algebra 1. Prerequisite for Biology: completion or current enrollment in Algebra 1. Additional fee: \$5.

Chemistry **11th-12th** **Credit: 1**

Chemistry is the third science graduation requirement. Students will investigate the properties of matter, its interactions and factors affecting the interactions using a variety of means and technologies - labs, lectures, discussions and group activities among them. Technology will be used to collect and analyze data and to report findings throughout the course. Prerequisite: passed Geometry with a C or better and current enrollment in a higher math course. Additional fee: \$5.

Advanced Earth / Space Science **11th-12th** **Credit: 1**

Advanced Earth / Space Science is a science elective. The topics included in this course are geology, meteorology, paleontology and formation of the solar system. Laboratory work will emphasize concepts and content that requires an understanding of geometry concepts. Prerequisites: successful completion of Algebra 1 and enrollment in Geometry or higher math course. Additional fee: \$5.

Physics **10th-12th** **Credit: 1**

This course will include the following topics: Newtonian Mechanics (kinematics, Newton's Laws, statics and dynamics); Conservation Laws (momentum and energy); Electricity and Magnetism. Once a conceptual framework has been constructed, students should be able to apply mathematics in order to solve complex physics problems. Since mathematics is the language of physics, students enrolling in this course should have a strong mathematics background. Prerequisite for Adv Physics: if students have not completed Adv Pre-Calculus, they must take it concurrently. Prerequisite for Physics: concurrent enrollment in Algebra 2. Additional fee: \$5.

AP Physics 1 & 2 **11th-12th** **Credit: 1**

These are two separate, full-year courses which allow students to achieve in-depth understanding. Students will have more time for hands-on explorations of physics content and inquiry labs. AP Physics 1 is the equivalent to a first semester college course in algebra-based physics. This course covers Newtonian mechanics, work, energy and power; mechanical waves and sound. Electric circuits will be introduced. AP Physics 2 is the equivalent to a second semester college course in algebra-based physics. This course covers fluid mechanics, thermodynamics, electricity and magnetism, atomic and nuclear physics. These courses do not have to be taken consecutively; one may be taken and not the other. They will prepare students for separate AP Physics exams. Prerequisite: successful completion of mathematics through Adv Precalculus. Calculus is strongly recommended as a co-requisite. Additional fee: \$20.

AP Biology **10th-12th** **Credit: 1**

AP Biology is an intense, laboratory-based, college-prep life science course that focuses on eight major themes including the following: science as a process (scientific method), evolution, the relationship between structure and function, regulation (cellular organism, and ecological), interdependency in nature and scientific advancement and society. The course is a preparation for the AP Biology exam. Prerequisites: include Adv Biology, Adv Chemistry*, and Algebra 2* (*can be taken concurrently). Additional fee: \$20.

AP Chemistry**11th-12th****Credit: 1**

AP Chemistry is a standardized program of study that provides an overview of freshman college general chemistry. Topics include kinetics, thermodynamics, atomic theory, organic chemistry, behavior of gases, descriptive and solution chemistry. College-level labs are included in this course. The course is a preparation for the AP Chemistry exam. Prerequisite: students should have completed Adv Chemistry with a B or better and be currently enrolled in an advanced math course (either Adv Precalculus or Adv/AP Calculus), and must have permission of current science teacher. Additional fee: \$20.

AP Environmental Science**11th-12th****Credit: 1**

This interdisciplinary course provides students with the scientific principles and concepts necessary to understand the natural world. Students will analyze natural and man-made environmental problems, evaluate the risks associated with environmental issues and provide alternative solutions for resolving them. The course is a preparation for the AP Environmental Science exam. Prerequisites: successful completion of Adv Biology and successful completion, or concurrent enrollment, in Chemistry and Algebra 2. Additional fee: \$20.

Advanced Human Anatomy**10th-12th****Credit: 1**

In-depth study of the anatomical and physiological functioning of human body systems from the cellular level to the organism level. Examples may include, but are not limited to, the skeletal system, muscular system, respiratory system, etc. Dissection may be a course requirement. Prerequisites: completed Adv Biology with at least a C average; completion or current enrollment in a Chemistry class; consent of current science teacher. Additional fee: \$15.

Anatomy 107 Dual Credit**11th-12th****Credit: .5**

This course focuses on the study of basic chemistry, biochemistry, cell structure and function, tissues, the integument, and the skeletal, muscle, and nervous systems. A completed Kentucky State University (KSU) application will be completed at a later date. Prerequisite: successful completion of Algebra 1. This course is paired with Anatomy 108 Dual Credit. **Note: there might be a college fee required to take this course.**

Anatomy 108 Dual Credit**11th-12th****Credit: .5**

This course is a continuation of BIO 107 with emphasis on the endocrine, digestive, respiratory, circulatory, urinary, and reproductive systems. It is paired with Anatomy 107 Dual Credit. **Note: there might be a college fee required to take this course.**

Advanced Fresh Water Ecology**10th-12th****Credit: .5**

This one semester course explores the intricate relationships that exist among living things in ponds, streams and other fresh water environments. Emphasis will be placed on labs and field experiences. Prerequisites: successful completion of Biology and successful completion of, or concurrent enrollment in, Chemistry. This course is paired with Adv Marine Biology.

Advanced Marine Biology**10th-12th****Credit: .5**

This one semester course acquaints inland-based students with the living aspects of our oceans and factors which affect those aspects. Emphasis will be placed on economic benefits and careers. Prerequisites: successful completion of Biology and successful completion of, or concurrent enrollment in, Chemistry. This course is paired with Adv Fresh Water Ecology.

Advanced Microbiology**10th-12th****Credit: .5**

Advanced Microbiology is a laboratory based course that is an extension of the concepts experienced in Advanced Biology. Students will investigate cellular function by studying cell structures. Proper laboratory techniques are stressed as infectious diseases and their relationships between microorganisms and humans will be studied. Prerequisites: completion of Adv Biology and completion, or concurrent enrollment, in Chemistry. This course is paired with Adv Plant Biology. Additional fee: \$5.

Advanced Plant Biology**10th-12th****Credit: .5**

The focus in this course will be on both the individual plants (their anatomy and function) and communities of plants (ecology and geography), with attention given to classification and identification. Prerequisites: completion of Biology with at least a C and should have completed, or be enrolled in, Chemistry. This course is paired with Adv Microbiology. Additional fee: \$5.

Biotechniques 2**11th-12th****Credit: 1**

Biotechniques 2 is a course that helps student become familiar with many biotechnology techniques including biological solution preparation, practices in aseptic techniques, chromatography, gel electrophoresis, and various protein assays. This course is the second in a series. Upon completion of the entire series, students will receive college credit through BCTC. Prerequisite: successful completion of Adv Biology and Biology teacher's approval. Additional fee: \$5.

Industrial Biotechnology Internship**12th****Credit: 2-4**

The Industrial Biotechnology Internship course is designed to provide students with work-based learning through a mentored internship experience where students are able to apply the academic and technical competencies developed in Biotechniques 1, Biotechniques 2 and Laboratory Calculations in a biotechnology laboratory to solve real-world problems. Additional fee: \$5.

Biology 112 Dual Credit**10th-11th****Credit: .5**

This course focuses on the basic study of structure, function and interactions of living organisms including cell theory, genetics, energetics, evolution and ecology. A completed Bluegrass Community & Technical College (BCTC) application is needed. Prerequisite: successful completion of Algebra 1. This course is paired with Biology 113 Dual Credit. **Note: there might be a college fee required to take this course.**

Biology 113 Dual Credit**10th-11th****Credit: .5**

In this course, students will demonstrate an understanding of the methods of science inquiry by using the logic of the scientific method to answer biological questions and draw sound scientific conclusions.. It is paired with Biology 112 Dual Credit. **Note: there might be a college fee required to take this course.**

Science/Social Studies Elective

Advanced Crime Scene Investigations**10th-12th****Credit: 1**

This course will be a collaborative effort between a science and a social studies teacher in which the techniques and tests used by criminologists will be examined. The science component of the class will include some of the following: forensic history, evidence collection, blood and DNA collection and analysis, ballistics and fingerprint collection and analysis. The social studies component will include discussion of criminal and tort law, procedures of grand juries and trials, mock trials, crime scene reconstruction and serial criminals. Prerequisites: Biology, Chemistry and Algebra 2 (classes can be taken concurrently). **Additional fee: \$15.**

SOCIAL STUDIES

Note: Most all Social Studies courses are either Advanced or AP.

Advanced Government**9th****Credit: 1**

This course emphasizes the major themes of government through topics that lead to an understanding of being an active citizen in the United States and today's global society. Topics will include understanding the relationship between natural environments, people and government, forms of government and the diverse cultures that make up and influence our national and global societies.

AP U.S. Government & Politics

Credit: 1

This AP course in United States Government & Politics will give students an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs and ideas that constitute U.S. government and politics. This class will prepare students for the AP US Government exam. When taken in the 9th grade, this course will satisfy the Government graduation requirement. **Course work is fast-paced, in-depth and extensive in content; weekly homework should be expected.** Additional fee: \$20.

Advanced World History

10th

Credit: 1

This is a survey course that focuses primarily on the historical, geographic, economic, governmental and cultural development of major civilizations after 1500, with a focus on the impact of the past on today's world. The first semester covers the period from the Renaissance to the French Revolution, and the second semester covers the period from the French Revolution to the present.

AP World History: Modern

10th-12th

Credit: 1

The purpose of this course is to develop greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. Focused primarily on the past 1000 years of the global experience, the course builds on an understanding of cultural, institutional, and technological precedents that, along with geography, set the human stage. Students will have the opportunity to take the AP World History: Modern exam at the close of the course. **Course work is fast-paced, in-depth and extensive in content; weekly homework should be expected.** Additional fee: \$20.

United States History

11th

Credit: 1

This course traces the historical, societal and political development of the United States from Reconstruction to the present. Students will become real-life problem solvers and critical thinkers as they study government at various levels, explore the contributions of various cultures to the development of the American experience, examine the transformation of the U.S. economy and analyze how geographic features have affected U.S. development.

AP United States History

11th

Credit: 1

The Advanced Placement U.S. History course is offered for the student with well-developed reading and analytical skills as well as maturity in thought and purpose. The focus is on depth, quality and breadth of work and on preparing the student for advanced college work in this subject area. Course content ranges from the time of Columbus to the present. Students may take the AP U.S. History exam upon completion of the course. **Course work is fast-paced, in-depth and extensive in content; weekly homework should be expected.** Additional fee: \$20.

Advanced Criminal Justice

10th-12th

Credit: 1

This course will give students an introduction to the people and procedures of the criminal justice system. Particular attention will be given to the needs and interests of today's youth. The topics of study will include the history of the criminal justice system in America, victims' rights and the rights of the accused, correction (including prison, parole and probation), a comparison between criminal and civil law procedures and studies concerning the costs of crime. The Constitution, Bill of Rights, various other historical documents, as well as new laws and current court proceedings will be applied and integrated into the curriculum.

Advanced Political Science

10th-12th

Credit: 1

This course content intertwines political ideology, political philosophy and governmental relationships. There is a heavy emphasis on national and international political issues. This is a discussion-based course with a substantial writing component.

Advanced World Cultures

Credit: 1

This course combines the disciplines of sociology and geography to come to an understanding of what all cultures have in common as well as what makes them different or unique. Topics such as culture, socialization, race, gender, family structure, world religions and urbanization will be studied through the viewpoint of a sociologist. One specific culture on each continent will also be studied and discussed. The class relies heavily on class discussion, group work as well as class, school and community surveys and experiments.

AP European History

10th-12th

Credit: 1

This AP Course is an in-depth look at the historical, geographical, economic, governmental and cultural developments of major European civilizations. The impact of the past on the present is a recurrent theme of this course. Students will learn the chronology of the major events and trends from approximately 1300 through the present. This course will prepare students for the AP European History exam. **Course work is fast-paced, in-depth and extensive in content; weekly homework should be expected.** Additional fee: \$20.

AP Human Geography

Credit: 1

Some topics included in this course are history of Geography since the 19th century, Population and its theories, Cultural Patterns and Processes (language, religion, race, ethnicity, gender), Political Organization of Space (nation-state, ethnic, economic, environmental) and Cities and Urban Land Use (cities, transportation, internal structure and landscape of cities, Christaller's Central Place Theory). The intense study of these topics will help prepare the student to take the AP Human Geography exam. Prerequisites: students must be recommended by their current social studies teacher and have maintained at least a C average in Advanced or AP Social Studies courses. **Course work is fast-paced, in-depth and extensive in content; weekly homework should be expected.** Additional fee: \$20.

AP Microeconomics/AP Macroeconomics

10th-12th

Credit: 1

This course provides the opportunity for students learn about the principles of economics that apply to the individual consumers (Micro) as well as to the economic system as a whole (Macro). Students will study the functions of product markets as well as factor markets. They will also learn about economic growth and international economics. Students have the opportunity to take the AP Macro- and Microeconomics exams and earn possible college credit. **Course work is fast-paced, in-depth and extensive in content; weekly homework should be expected.** Additional fee \$20.

Advanced Psychology

Credit: 1

This course is designed to introduce the student to the basic scientific principles of individual behavior. The student will learn how psychologists conduct research, how humans perceive the world and how biology affects behavior. Topics of interest include: learning theory, child development, right-left brain function, memory, emotion, dreaming. Second semester focuses on intelligence, personality, love, mental health and illnesses, discrimination and careers.

AP Psychology

10th-12th

Credit: 1

This course is offered for the student interested in pursuing college work in psychology and as preparation for the AP Psychology exam. The student is introduced to the scientific principles of individual behavior using critical thinking skills, extensive analysis and research practices. Course content includes psychological research techniques, major schools of thought, brain-behavior relationships, intelligence and creativity and memory. **Course work is fast-paced, in-depth and extensive in content.** Additional fee: \$20.

WORLD LANGUAGE

Kentucky's Pre-College Curriculum mandates that all college-bound students must reach the second level of the same world language. Many colleges and universities have their own language requirements for admission and/or graduation.

French 1

Credit: 1

This course's emphasis will be on basic communication skills in French. Students will learn basic listening, speaking, reading and writing skills. They will use these skills to communicate (in writing, through videos and using virtual media) with a pen pal from a partner school in France. They will also be introduced to culture and career opportunities utilizing French language skills. Additional fee: \$10.

French 2

Credit: 1

Students will continue to improve upon basic communication skills from French 1, including the pen pal relationship. They will also explore and compare various aspects of francophone culture such as schooling, travel, beliefs, etc., of France, Martinique and the Ivory Coast. Prerequisite: successful completion of French 1 or teacher recommendation. Additional fee: \$10.

Advanced French 3

Credit: 1

The goal of this course is for students to be able to express their ideas creatively and accurately both orally, in writing and with reasonable fluency. Students will continue to build upon their pen pal relationship begun in earlier courses. There will also be an exploration of social and cultural topics. **The class will be fast-paced.** Prerequisite: successful completion of French 2 or teacher recommendation. Additional fee: \$10.

Advanced French 4

Credit: 1

In this course, students will explore contemporary cultural topics including housing, stereotypes, holidays, cuisine, etc. This exploration will be through authentic reading, viewing, listening activities and class discussion. Students will continue to develop fluency and accuracy in reading and writing. This course is treated as a precursor to AP French Language & Culture. Prerequisite: successful completion of Advanced French 3. Additional fee: \$10.

AP French Language & Culture

Credit: 1

This course is the equivalent of a college course in French language and culture. Students will express their ideas and informed opinions through writing and conversation among the following topics: beauty & aesthetics, families & communities, global challenges, etc. This class will prepare students for the AP exam in this subject. This class will prepare students for the AP French Language exam. Prerequisites: successful completion of Advanced French 4 or teacher recommendation. Additional fee: \$20.

Advanced Japanese 1

Credit: 1

Students will learn basic listening, speaking, reading and writing skills. They will also be introduced to Japanese culture and career opportunities utilizing Japanese language skills. Additional fee: \$10.

Advanced Japanese 2

Credit: 1

Students will continue improving listening, speaking, reading and writing skills. They will also learn about famous Japanese people and do some extended readings on popular topics. Emphasis will be placed on grammatical structures and vocabulary development. Prerequisite: successful completion of Advanced Japanese 1. Additional fee: \$10.

Advanced Japanese 3

Credit: 1

The ability of students to express their ideas accurately and resourcefully both orally and in writing with reasonable fluency will be one of the main goals of this course. **The class will be fast-paced.** Prerequisite: successful completion of Advanced Japanese 2. Additional fee: \$10.

Advanced Japanese 4

Credit: 1

This course for advanced level students further develops the students' reading and writing skills. Readings on cultural movements are discussed in Japanese. The vocabulary expansion should permit the students to read most non-technical material. Prerequisite: successful completion of Advanced Japanese 3. Additional fee: \$10.

AP Japanese Language & Culture

Credit: 1

Students enrolled in this course will gain an introduction to social, political, religious and educational issues, as well as traditional versus modern gender roles. They will learn to apply the appropriate register in the application of these skills as well as level of formality, which will all aid in successfully passing the AP Japanese Language & Culture exam. Prerequisite: successful completion of Advanced Japanese 4. Additional fee: \$20.

Spanish 1

Credit: 1

Students will learn basic listening, speaking, reading and writing skills. They will also be introduced to Spanish culture and career opportunities utilizing Spanish language skills. Additional fee: \$10.

Spanish 2

Credit: 1

Students will continue improving listening, speaking, reading and writing skills. They will learn about famous Spanish people and do some extended readings on popular topics. Emphasis will be placed on grammatical structures and vocabulary development. Prerequisite: successful completion of Spanish 1. Additional fee: \$10.

Advanced Spanish 3

Credit: 1

The ability of the students to express their ideas accurately and resourcefully both orally and in writing with reasonable fluency will be one of the main goals of this level. **The class will be fast-paced.** Prerequisite: successful completion of Spanish 2. Additional fee: \$10.

Advanced Spanish 4

Credit: 1

This accelerated course will stress the use of Spanish, in all four skills, to deal with relevant contemporary topics: family, contemporary issues, music, community, etc. Readings will consist of excerpts and short stories. This course is treated as precursor to AP Spanish Language & Culture. Prerequisite: successful completion of Advanced Spanish 3. Additional fee: \$10.

AP Spanish Language & Culture

Credit: 1

This course is equivalent to a college course in Spanish conversation and composition with the following objectives: (1) mastery in comprehension and oral expression of ideas; (2) mastery in the composition of expository passages; (3) the review of advanced grammatical structures. These themes are studied in depth: Global Challenges; Beauty & Aesthetics; Family & Community; Contemporary Life. This class will prepare students for the AP Spanish Language exam. Prerequisite: successful completion of Advanced Spanish 4 or teacher recommendation. Additional fee: \$20.

Spanish 102 Dual Credit

11th-12th

Credit: .5

This course is designed to provide the student with the vocabulary and structures necessary to speak and understand elementary Spanish at the American Council of Teachers of Foreign Languages novice level. A completed Bluegrass Community & Technical College application is needed. Prerequisite: successful completion of Adv Spanish 3. This course is paired with Spanish 201 Dual Credit. **Note: there might be a college fee required to take this course.**

Spanish 201 Dual Credit

11th-12th

Credit: .5

This course focuses on intermediate level speaking, listening, reading and writing. It is paired with Spanish 102 Dual Credit. **Note: there might be a college fee required to take this course.**

ENGINEERING TECHNOLOGY

Civil Engineering

10th-12th

Credit: 1

This is a long-term project-based course that involves the development of a local property site working with the ACE (Architecture, Construction and Engineering) Mentor Program. ACE is an in-depth program that gives students a hands-on look into architecture, construction management, engineering and other construction careers they may consider if interested in designing and/or building schools, stadiums, bridges, tunnels, shopping malls, parks and more. Additional fee: \$5.

Introduction to Architecture

Credit: 1

In Introduction to Architecture, students will explore the basics of design through hand drawing, model making, and drafting with industry-standard software Revit. Students will use the mediums above to study the relationship between space, light, shadow, and form. In order to design dynamic residential and commercial architecture projects. Additional fee: \$5.

Architectural Design

11th-12th

Credit: 1

This course extends the knowledge gained in Civil Engineering. Students will serve as group leaders and be given additional responsibilities. Prerequisite: successful completion of Civil Engineering and instructor's approval. Additional fee: \$5.

Engineering 1

Credit: 1

This course introduces the world of engineering and is a prerequisite for other courses in this department. The student will learn many different aspects of engineering. Project-based learning is used to guide students through the curriculum. Projects include a puzzle cube, a reverse engineering project, a St. Louis Arch and a final project of the student's choice. This class is computer-based and teaches problem-solving skills using a design development process. Additional fee: \$5.

Engineering 2

10th-12th

Credit: 1

This introductory 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. Prerequisite: Engineering 1.

Introduction to 3D Printing Technology

10th-12th

Credit: 1

An introduction to additive rapid prototyping manufacturing (three-dimensional printing), and its applications in conjunction with computer technology, including hardware, software, three-dimensional printing technology, internet, security, and computer intellectual property ethics. Presents basic use of applications, programing, systems and utility software.

Robotics Engineering

Credit: 1

This fast paced, rigorous, hands-on course is designed to teach problem solving and team building to students using electronic and robotics technology. Student groups design and build robotic units using VEX robotics EDR series to solve social and technological problems. Projects that will be consistent with the Technology Student Association Competitive Events are also incorporated into the curriculum to enhance student performance. Additional fee: \$5.

Engineering Internship

12th

Credits: 4

This course provides blends CTE Engineering Technology courses with an engineering experience so students may apply technical skills along with science, technology and engineering skills to solve real-world problems. Students will work as an intern with an engineering company and are responsible for securing an approved internship location. Prerequisites: instructor approval and successful completion of two courses in the Engineering Technology pathway preferred. **Note: Only one credit of Internship may be used for KEES Scholarship purposes. Therefore, four other classes must be scheduled to earn at least 5 total credits for KEES qualification.**

Pre-Engineering Program

All Pre-Engineering students must complete at least one Advanced Placement (AP) science course to be chosen from AP Biology, AP Chemistry, AP Environmental Science and AP Physics. Additionally, students must take Adv Physics with Earth/ Space Science, Adv Biology, Adv Chemistry and Adv (or AP) Physics. Pre-Engineering students may double-up on science courses in the freshman or sophomore years. A math and science course must be taken each year of high school.

All Pre-Engineering students must also complete at least one AP mathematics course to be chosen from AP Calculus and AP Statistics. Additionally, students must take Adv Geometry, Adv Algebra 2, Adv Precalculus and Adv (or AP) Calculus within the Pre-Engineering Program.

Students with a C or less are expected to attend tutoring during the semester or be transferred out of the program at the close of the semester. A student who receives a C or below at the close of the semester will be put on academic probation.

Pre-Engineering Advanced Geometry

Prerequisite of having passed Algebra 1 in the 8th grade. Additional fee: \$5.

Pre-Engineering Advanced Algebra 2

Prerequisite of having passed Adv Pre-Engineering Geometry with a B or better or Geometry in the 8th grade. Additional fee: \$5.

Pre-Engineering Advanced Precalculus

Prerequisite of having passed Adv Pre-Engineering Algebra 2 with a B or better. Additional fee: \$5.

Pre-Engineering Advanced Physics with Earth/Space

This is the 9th grade science course. Prerequisite: concurrent enrollment in Adv Pre-Engineering Geometry or higher. Additional fee: \$5.

Pre-Engineering Advanced Biology

This is the 10th grade science course. Prerequisite: completion of Adv Pre-Engineering Physics with Earth Space Science with a grade of B or better. Adv Pre-Engineering Biology may be taken in the 9th grade if also enrolled in Adv Pre-Engineering Algebra 2; would also be enrolled in Adv Pre-Engineering Physics with Earth Space Science. Additional fee: \$5.

Pre-Engineering Advanced Chemistry

Prerequisite: completion of Adv Pre-Engineering Biology and Adv Pre-Engineering Geometry with a grade of B or better. May be taken concurrently with Adv Pre-Engineering Biology if not taken during 9th grade. Additional fee: \$5.

Advanced University Research Science

Students will have the opportunity to specialize in the area of engineering or medicine which interests them. They will perform their own research, at the University of Kentucky, with guidance from a professor or doctor. Prerequisite: all necessary science requirements are met; an A or B in all Pre-Engineering and AP level math science courses. Additional fee: \$5. Also, depending on the lab selected at UK, students may be responsible for purchasing a UK parking pass for the year.

Potential elective courses in Pre-Engineering include:

- Engineering 1
- Engineering 2
- Robotics Engineering
- Technical Design
- Engineering Internship
- Introduction to Programming
- Java Programming
- AP Computer Science Principles
- AP Computer Science A

For more information contact:

Ms. Diane Remley or Ms. Laura Gravitt
Lafayette High School
401 Reed Lane
Lexington, KY 40503
381.3474

School for the Creative and Performing Arts (SCAPA)

Program Overview

The program provides students, who are gifted/talented in the arts, the opportunity to further develop and enhance their abilities in the fine arts in a setting that focuses on the arts and academics. Additionally, every student is given the opportunity to participate in performances, master classes, exhibits, lectures and other off-campus experiences throughout the year.

Admission to SCAPA requires an application and audition. The application period is from mid-August to the first part of October each year. Placement offers are made the following February for the next school year.

Students receive instruction in ballet, contemporary dance, drama, literary arts, music (instrumental, keyboard, or voice) and visual arts from arts specialists and community resources, in addition to the regular academic curriculum. **There are additional fees associated with SCAPA Art classes (\$80-\$100) and SCAPA Musicianship classes (\$30-\$40).**

For more information contact:

Mr. Bryne Jacobs, Principal
Principal
Lafayette High School
401 Reed Lane
Lexington, KY 40503
381.3474

Ms. Carla Pleasant
SCAPA Facilitator
400 Lafayette Parkway
Lexington, KY 40503
381.3338

College / Career Readiness

Lafayette offers KDE Career Pathways in the following areas to allow students to engage with their current career interests and explore new areas. In order to be considered Transition Ready through Career Readiness, a student must pass a minimum of 2 classes within a pathway and pass either the Industry Certification or the End of Program (EOP) Assessment for the pathway. There are opportunities for articulated college credit offered for passing an Industry Certification or EOP.

Freshmen are permitted to enroll in italicized classes only.

2021-2022 - courses/pathways subject to change

Family & Consumer Sciences Pathways		
Consumer & Family Services	Culinary & Food Services	Early Childhood Education
<i>Life Skills</i>	<i>Life Skills</i>	<i>Life Skills</i>
<i>Money Skills</i>	Foods & Nutrition	<i>Early Lifespan Development</i>
Foods & Nutrition	Culinary Arts 1	Parenting
Parenting	Culinary Arts 2	Principles of Teaching
	Culinary Arts Co-op (12th)	Child Development Services 1
		Child Development Services 2
		Early Childhood Education Co-op (12th)
EOP/Industry Certification	EOP/Industry Certification	EOP/Industry Certification
Consumer & Family Management EOP	Culinary and Food Services EOP	Early Childhood Education EOP
AAFCS Pre-PAC Personal and Family Finance	AAFCS Pre-PAC Culinary Arts OR	3 Certs Required:
	ServSafe Food Manager's Credential	Commonwealth Child Care Credential
		KY Early Care and Education Orientation
		Pediatric Abusive Head Trauma
		OR
		AAFCS Pre-Pac Early Childhood Ed.

Fashion & Interior Design	Fundamentals of Teaching
<i>Life Skills</i>	<i>Life Skills</i>
<i>Money Skills</i>	<i>Early Lifespan Development</i>
Fashion & Interior Design 1	Principles of Teaching
Fashion & Interior Design 2	
Fashion & Interior Design Co-op (12th)	
EOP/Industry Certification	EOP/Industry Certification
Fashion & Interior Design EOP	AAFCS Pre-Pac Education Fundamentals
AAFCS Pre-PAC Fashion, Textiles, Apparel	

Engineering Pathways		
Civil Engineering	Engineering Design	Mechanical Engineering
<i>Engineering I*</i>	<i>Engineering I*</i>	<i>Engineering I*</i>
Engineering II** (Pre-req. Eng. I)	<i>Introduction to Architecture</i>	<i>Robotics Engineering***</i>
Civil Engineering**** (ACE I)	Civil Engineering**** (ACE I)	Engineering II** (Pre-req. Eng. I)
Introduction to 3D Printing Technology	Architectural Design***** (ACE II)	Introduction to 3D Printing Technology
	Engineering II** (Pre-req. Eng. I)	
	Introduction to 3D Printing Technology	
AP Computer Science A OR	AP Computer Science A OR	AP Computer Science A OR
AP Computer Science Principles	AP Computer Science Principles	AP Computer Science Principles
Engineering Internship (12th)	Engineering Internship (12th)	Engineering Internship (12th)
Optional Choose One:		Optional Choose One:
AP Calculus AB OR AP Calculus BC OR		AP Calculus AB OR AP Calculus BC OR
AP Physics 1 OR AP Physics 2 OR		AP Physics 1 OR AP Physics 2 OR
AP Chemistry		AP Chemistry
EOP/Industry Certification	EOP/Industry Certification	EOP/Industry Certification
Autodesk Revit Certified User	Autodesk Inventor Certified User	Autodesk Inventor Certified User
	Autodesk Revit Certified User	Autodesk Revit Certified User
* Formerly Known as Fundamentals of Engineering		
** Formerly Known as Principles of Engineering		
*** Formerly Known as Foundations of Engineering		
**** Formerly Known as Architectural and Civil Engineering I		
***** Formerly Known as Architectural and Civil Engineering II		

Business & Marketing Pathways			
Accounting	Administrative Support	E-Commerce	Financial Services
<i>Digital Literacy</i>	<i>Digital Literacy</i>	<i>Digital Literacy</i>	Personal Finance
<i>*Business and Marketing Essentials</i>	<i>*Business and Marketing Essentials</i>	<i>****Marketing Principles</i>	<i>*Business and Marketing Essentials</i>
<i>Ethical Leadership</i>	<i>Ethical Leadership</i>	<i>Sports & Event Marketing</i>	<i>Ethical Leadership</i>
Accounting & Finance Foundations	Microsoft Office Specialist	<i>*Business and Marketing Essentials</i>	<i>****Marketing Principles</i>
Advanced Accounting	AP Macroeconomics	<i>Ethical Leadership</i>	Accounting & Finance Foundations
Personal Finance	AP Microeconomics	Microsoft Office Specialist	AP Macroeconomics
Microsoft Office Specialist	Choose One:	**Marketing Applications	AP Microeconomics
AP Macroeconomics	Accounting & Finance Foundations OR	AP Macroeconomics	Choose One:
AP Microeconomics	Advanced Accounting OR	AP Microeconomics	Business Education Co-op (12th) OR
Business Education Co-op (12th)	Personal Finance	Choose One:	Marketing Education Co-op (12th)
	Choose One:	Business Education Co-op (12th) OR	
	Business Education Co-op (12th) OR	Marketing Education Co-op (12th)	
	Marketing Education Co-op (12th)		
EOP/Industry Certification	EOP/Industry Certification	EOP/Industry Certification	EOP/Industry Certification
Accounting EOP	Administrative Support EOP	Marketing EOP	Financial Services EOP
ASK - Fundamental Business Concepts AND	ASK - Fundamental Business Concepts AND	ASK - Fundamental Business Concepts AND	ASK - Fundamental Business Concepts
MOS Word AND Excel AND Outlook OR Access OR PowerPoint	MOS Word AND Excel AND Outlook OR Access OR PowerPoint	MOS Word AND Excel AND Outlook OR Access OR PowerPoint	
	OR		
	Google Cloud Certification - G Suite		

Management & Entrepreneurship	Marketing	Retail Services
<i>Digital Literacy</i>	**** <i>Marketing Principles</i>	**** <i>Marketing Principles</i>
<i>*Business and Marketing Essentials</i>	<i>*Business and Marketing Essentials</i>	<i>Ethical Leadership</i>
<i>Ethical Leadership</i>	<i>Ethical Leadership</i>	Choose One:
**** <i>Marketing Principles</i>	<i>Sports & Event Marketing</i>	** <i>Marketing Applications OR</i>
Microsoft Office Specialist	** <i>Marketing Applications</i>	Retail Marketing Management
AP Macroeconomics	Personal Finance	Choose One:

AP Microeconomics	Accounting & Finance Foundations	Accounting & Finance Foundations OR
Choose One:	AP Macroeconomics	Personal Finance
Accounting & Finance Foundations OR	AP Microeconomics	Marketing Education Co-op (12th)
Advanced Accounting OR	Marketing Education Co-op (12th)	
Personal Finance		
Choose One:		
Business Education Co-op (12th) OR		
Marketing Education Co-op (12th)		
EOP/Industry Certifi-	EOP/Industry Certi-	EOP/Industry Certification
Business Management EOP	Marketing EOP	Marketing EOP or Retail Services EOP
ASK - Fundamental Business Concepts	ASK - Fundamental Business Concepts AND	ASK - Fundamental Business Concepts AND
	Google Cloud Certification - G Suite	Google Cloud Certification - G Suite

<u>Computer Science Pathways</u>		<u>Media Arts Pathways</u>	
Computer Programming	Computer Science	Graphic Design	Interactive Media
<i>Digital Literacy</i>	<i>Digital Literacy</i>	<i>Introduction to Media Arts</i>	<i>Introduction to Media Arts</i>
<i>Introduction to Programming</i>	<i>AP Computer Science Principles</i>	<i>Digital Imaging (Photography)</i>	<i>Interactive Design</i>
<i>AP Computer Science Principles</i>	JAVA Programming I	Two-Dimensional Media Design (pre-req. Intro. to Media Arts)	Media Arts Internship (12th)
JAVA Programming I	AP Computer Science A	Advanced Production Design (pre-req. Two-Dimensional Media Design)	
AP Computer Science A	Computer Science Internship (12th)	Media Arts Internship (12th)	
Computer Science Internship (12th)			
EOP/Industry Certification	EOP/Industry Certification	EOP/Industry Certification	EOP/Industry Certification
Computer Programming EOP	Computer Programming EOP	Adobe Certified Associate: InDesign	2 Exams Required:
		Plus one of the following:	Adobe Certified Associate: After Effects
		Adobe Certified Associate: Illustrator	Adobe Certified Associate: Animate
		Adobe Certified Associate: Photoshop	Adobe Certified Associate: Illustrator
			Adobe Certified Associate: Photoshop

Fayette County Technical Centers

Fayette County students may attend a Technical Center and earn three to four credits each school year. They may attend for additional school years for more advanced training and additional credits. Listed below are the programs available at the Technical Centers; websites shown offer detailed course descriptions. Technical Centers also offer some academic courses in addition to program courses.

Eastside Technical Center—www.eastside.fcps.net

Auto Collision Repair
Automotive Technology
Cinematography & Video Production
Digital Design & Game Development
Diesel Technology
Fire & Emergency Medical Services
Law Enforcement & Emergency Management

Locust Trace AgriScience Center—www.locustrace.fcps.net

Agribusiness Systems
Agricultural Power, Mechanical and Structural Systems
Animal Science Systems
Horticulture and Plant Science Systems

Southside Technical Center—www.southside.fcps.net

Advanced Integrated Manufacturing (AIM)
Carpentry
Culinary Arts
Electricity Technology
Electronics Technology
Medical Sciences
Pre-Nursing (State Registered Nurse Aide Certification)
Welding Technology

General Counseling Information

College Information

- Students may start to visit colleges the summer after their sophomore year.
- Throughout the school year, various college representatives come to Lafayette to meet with students during the school day. Sign up online at <http://LHS-CC-Coach.eventbrite.com>.
- A College Fair is held for Fayette County students in the fall.
- Keep a continuous resume of your activities, honors, work experience, etc.
- College-bound students should maintain a GPA of 3.0 or higher.

Career Information

Information regarding careers and colleges are available in the Guidance Office.

Financial Aid and Scholarships

Kentucky Educational Excellence Scholarship (KEES) is available to all students. Grades of C+ and above can earn money towards college tuition. Go to www.kheaa.com for more details.

Some essay contests and scholarship opportunities are available to juniors, however, they are primarily offered during the senior year. Come to the Guidance Office for a copy of currently advertised scholarships or visit the Lafayette website.

A Financial Aid Workshop for seniors and their parents is held in the fall. Complete and submit the Free Application for Federal Student Aid (FAFSA) as soon as possible after the window opens on October 1 each year.

Testing

9th grade

PSAT 8/9—**optional**; given **only** in October

10th grade

PSAT—**optional**; given **only** in October

KPREP—**required** in late spring

11th grade

PSAT—recommended for National Merit Scholarship eligibility; given **only** in October

ACT—**required** in spring, free of charge, however, students may take the ACT several times throughout high school on their own (www.actstudent.org)

SAT—optional college entrance exam (www.collegeboard.com)

KPREP—**required** in late spring

Advanced Placement (AP) exams

AP exams are administered each May. For more information go to: www.collegeboard.com/student/testing/ap/about.html.

Students with a 504 Plan, IEP, or PSP

In order to take a national exam such as the ACT, SAT, PSAT and/or AP, and receive accommodations, a form requesting approval for accommodations must be submitted as least 6 weeks prior to the exam date. Contact the Guidance Office for more information.

Pre-College Curriculum (PCC)

First-time freshmen under age 21 who enroll in a four-year degree program at a Kentucky public university must complete PCC. Students who transfer to a four-year degree program or convert to baccalaureate status with fewer than 24 semester credit hours may be subject to PCC requirements. Rigorous electives should have academic content at least as challenging as that in courses required in the minimum high school graduation requirements. These electives also should be in social studies, science, math, English, arts and humanities, world language and above the introductory level in business, marketing, family consumer sciences, health sciences and technology education. Completing the PCC will enable students to earn monies via the Kentucky Educational Excellence Scholarship (KEES).

Additional Course Opportunities for Juniors and Seniors

Dual Credit

Students may earn both high school and college credit in the same course. Lafayette offers Dual Credit Anatomy, Biology, English, Humanities, Math, Psychology and Spanish. Requirements include college application and meeting possible academic benchmarks. These courses use the college's grading scale (typically 100-90=A, 89-80=B, etc.). **Note: there might be a college fee required to take each of these courses.**

Dual Enrollment

Students may enroll in college courses while in high school. College entrance requirements must be met.

eSchool

Students may take courses on-line during their own time. See your Guidance Counselor for details.

Opportunity Middle College (OMC)

This program is a partnership between Fayette County Public Schools and Bluegrass Community & Technical College (BCTC). Students have the opportunity to enroll in both college and high school courses that are taught at the Leestown campus of BCTC and can earn both high school and college credit for these courses. There is no cost for tuition or books for classes taken in this program. Students who will be a junior or senior next fall are eligible to apply. Students must submit ACT scores along with a high school transcript (minimum unweighted cumulative unweighted GPA of a 2.5) to verify that they can successfully complete the compacted and rigorous early college curriculum. Low socio-economic and first-generation college students receive priority in the selection process. See your Guidance Counselor for an application and more information.

Kentucky's Career Clusters

The Career Pathway is the central focus for developing the Individual Learning Plan. Selecting high level academic and career-related courses and identifying work-based learning experiences that prepare students for transition to postsecondary education, work or the military.

The ILP is designed to help students plan for their futures as they complete an interest inventory and compile their academic achievements, extracurricular activities and career and education exploration activities. Guidance Counselors and teachers will use ILP information to guide and personalize students' academic journeys and students will use the ILP as a tool throughout high school and beyond.

Kentucky's 14 Career Clusters are: Agriculture, Human Services, Arts & Humanities, Information Technology, Business & Marketing, Manufacturing, Communications, Public Services, Construction, Science & Mathematics, Education, Social Sciences, Health and Transportation.





Learners, Leaders, Legacies: LAFAYETTE

Contact Information

Principal	Mr. Bryne Jacobs	381.3474
SCAPA	Ms. Carla Pleasant	381.3338
Pre-Engineering	Ms. Diane Remley Ms. Laura Gravitt	381.3474
Guidance Office	main number	381.3481

Lafayette High School

Home of the *Generals*

<http://www.lafayette.fcps.net/>

<http://www.scapa.fcps.net/>

