LEE
A SCHOOL LIKE NO OTHER!

Course Directory
2019-2020
### Course Request Planning Guide

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Printed on 1 February 2019. Visit our website, www.leemagnet.com, for the most up-to-date course directory.

The East Baton Rouge Parish School System and all of its entities (including Career and Technical Education Programs) does not discriminate on the basis of age, race, religion, national origin, disability or gender in its educational programs and activities (including employment and application for employment), and it is prohibited from discriminating on the basis of gender by Title IX (20 USC 168) and on the basis of disability by Section 504 (42 USC 794). The Title IX Coordinator is Andrew Davis, Director of Risk Management (ADavis6@ebrschools.org) - phone (225) 929-8705. The Section 504 Coordinator is Elizabeth Taylor Chapman, Director of Exceptional Student Services (ETaylor@ebrschools.org) – phone (225) 929-8600. The Title II Coordinator
**MINIMUM REQUIREMENTS FOR TOPS UNIVERSITY DIPLOMA**

Requirements are subject to change per state guidelines. See LouisianaBelieves for more info. The list is inclusive to course offerings at LEE. 

**English (4 Units)**
- Shall be English I; II; III or AP English Language; and English IV or AP English Literature

**Mathematics (4 Units)**
- Shall be Algebra I, Geometry, Algebra II. The remaining unit shall come from the following: Advanced Math I, Calculus and Statistics

**Science (4 Units)**
- Shall be Biology and Chemistry. The remaining units shall come from the following: Physical Science, Physics I, Biology II, Chemistry II, Environmental Science, or Physics II

**Social Studies (4 units)**
- Shall be Civics or AP Government, and US History; two units from the following: World Geo., AP Human Geo.; World History; AP Economics Micro & Macro; or AP Psychology

**PE (1½ units) and Health Education (½ unit)**
- Shall be 1 unit of PE I and ½ unit of PE II plus ½ unit of Health Education. JROTC I and II may be used to meet the PE and Health Education requirements provided the requirements in Section 2347 of Bulletin 741 are met.

**Foreign Language (2 units)**
- Shall be 2 units in the same foreign language.

**Arts (1 unit)**
- From Art, Band, Choir, Theatre or Fine Arts Survey

**Electives (3 units)**
- **TOTAL (24 units)**

**THE STATE BOARD OF ELEMENTARY AND SECONDARY EDUCATION (BESE)**

**END OF COURSE EXAM POLICY STATEMENTS:**

In addition to completing a minimum Carnegie Units of credit, students must meet assessment requirements below to earn a diploma:

- Students must pass three End-of-Course Tests in the following categories:
  - Algebra I or Geometry
  - English I or English II
  - Biology or U.S. History

For students graduating in 2021 and beyond, student must pass three LEAP2025 tests in the following categories:
- Algebra I or Geometry
- English I or English II
- Biology or U.S. History

**TOPS**

Louisiana Tuition Opportunity Programs for Students is a comprehensive program of state scholarships and assistance programs. Specific courses, grade point averages, ACT scores and other eligibility requirements are necessary for this program. Beginning with the class of 2018, the calculation of the TOPS Core Curriculum GPA will use a Five point scale for grades earned in AP and Dual Enrollment courses.

**COUNSELING**

A counselor is assigned to students at LEE to help them during their high school career. A student may schedule a conference with a counselor for any number of reasons: scheduling, career counseling, college and scholarship consulting, testing, written recommendations and references, and personal problems. Strict confidentiality is maintained except when there is imminent personal danger or threat to others. Counselors are always available for consultation and guidance but the final responsibility for meeting graduation requirements and prerequisites rests with the student and parents.

**ACT**

Scores from the ACT test are used by most colleges and universities as part of entrance and scholarship requirements. Some accommodations may be available to students with special needs - see ACT guidelines. All juniors and seniors take the ACT in the spring.

**INDIVIDUAL GRADUATION PLAN**

Each student shall develop, with the input of his/her family, an Individual Graduation Plan to include a sequence of courses which is consistent with the student’s stated goals for their four years in high school and one year after graduation. Each student’s Five Year Educational Plan shall be reviewed annually by the student, parent, and counselor and revised as needed.

**SCHOLASTIC HONOR POLICY**

The Lee Magnet High School Honor and Academic Policies will be strictly enforced.
Fees
Class fees are listed by content subject, are used to support instruction and should be paid by September 30. The school fee of $100 is due at orientation and is used to support administrative functions and schoolwide instruction. An additional Senior fee is due at orientation and is used to cover costs associated with conducting the graduation ceremony. Students unable to pay fees may apply to the Executive Secretary for a hardship waiver. Fees may be reduced or waived for students whose families are experiencing economic hardships including but not necessarily limited to: families receiving unemployment benefits or public assistance; foster families caring for children in foster care; and families that are homeless. All hardship waivers and supporting documentation shall be kept confidential. If a hardship waiver is denied, it may be appealed to the Principal.

Scheduling: Selection and Changes
During the spring semester, students select their courses for the coming year with the help of their individual counselors. This schedule of classes is sent home for parent approval and signature and returned to the school. During the late spring, students are scheduled into classes. Selection of teachers is not permitted at any time. Classes may be changed by the principal or designee in order to balance or to change a student who has previously passed a course or to meet graduation or college entrance requirements or as an intervention based on the current course change policy. Students may NOT change courses after the tenth (10th) day of school.

Lee Grading Scale

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<thead>
<tr>
<th>Grade</th>
<th>Points</th>
<th>Percentage</th>
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</thead>
<tbody>
<tr>
<td>A</td>
<td>4 pts.</td>
<td>93-100 %</td>
</tr>
<tr>
<td>B</td>
<td>3 pts.</td>
<td>85-92 %</td>
</tr>
<tr>
<td>C</td>
<td>2 pts.</td>
<td>75-84 %</td>
</tr>
<tr>
<td>D</td>
<td>1 pt.</td>
<td>67-74 %</td>
</tr>
<tr>
<td>F</td>
<td>0 pts.</td>
<td>0-66 %</td>
</tr>
</tbody>
</table>

Advanced Placement Courses
AP Courses are rigorous courses to give high school students the opportunity to experience college course material with the potential to earn college credit while still in high school. Students should be college bound with a good work ethic. Students are expected to take the AP Exam at the end of the course. The $94 AP Exam Fees are set by College Board, the AP Exam provider. Honors requirements and teacher recommendations are required. For more info about AP: testing samples, scoring of exams, fees, and reduced fee opportunities, please refer to [http://www.collegeboard.org](http://www.collegeboard.org). Students enrolled in AP Courses are required to take the AP Exam.

Dual Enrollment Courses
Dual Enrollment courses provide students the opportunity to receive college credit while still in high school. Students must complete all of the course work required for the college course in order to receive the credit. Dual Enrollment have strict prerequisites, noted within the course descriptions, that must be met for enrollment.

Honors Courses
Courses listed as honors will earn an additional quality point. Honors courses are more rigorous and require students to be self-directed learners who can keep up with a faster paced, more content enriched course. A 3.5 content GPA is required.

Course Offerings:
Note that course offerings, content, requirements, and fees are subject to change as stipulated by the state and/or parish. AP courses substitute where state course codes align.

English

- All English courses have a summer assignment due the first day of school

English I (9)
This course reviews basic grammar and note-taking skills from previous grades and provide opportunities for oral and written communication. The basic types of paragraphs are taught, along with methods of development. These are combined into short themes. The literature focuses on selected world literature, with emphasis on the theme of coming of age as depicted in short stories, the novel, media, poetry, and Shakespeare.

English II (10)

- English II Honors (10)
This course emphasizes refinement of those grammar skills essential to advanced writing with increased practice in writing short themes using standard methods development. Library skills leading to a research paper are taught. The literature will focus on selected world literature, with emphasis on the study of culture as depicted in the novel, poetry, drama, short stories, and media.

English III (11)
This course provides an overview of dominant ideas and styles of major American writers, focusing on regional development with added emphasis on genres and movements particular to America. Students will trace the development of the four major methods of discourse and the process of writing a fully documented research paper.

AP English Language and Composition
This course is designed to be an honors American literature class including an in-depth survey of major American writers and extensive writing in four modes of discourse, as well as reading and writing assignments specifically designed to prepare students for the AP test. This course can substitute for English IV.

AP Seminar (10, 11)
Students investigate real-world issues from multiple perspectives in order to develop and write credible and valid evidence-based arguments. The capstone exam requires two academic essays with theses statements and conclusions. One will be an End Of Course AP exam. Students who earn a grade of 3 or higher in AP Seminar, AP Research, and 4 other AP courses will receive the AP Capstone Diploma. This course is a prerequisite for AP Research. Students must have two teacher recommendations, one from the English teacher, and an A or B in English.

AP English IV (12)
The literature is a survey of British selections from the Anglo-Saxon period to the present. Emphasis is placed on the language, history, and philosophy which has influenced the literature. The writing emphasis is analytical and persuasive and the research paper skills are reinforced. Outside reading is required.

AP Literature and Composition
This course includes an in-depth survey of major American and British writers and extensive writing in four modes of discourse, as well as reading and writing assignments specifically designed to prepare students for the AP test. This course can substitute for English IV.

AP Research (11, 12)
Students 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. Students reflect on their skill development, document their process, and curate artifacts through a process and reflection portfolio. The course culminates in an academic paper and a presentation with an oral defense. Students who earn a score of 3 or higher in AP Seminar, AP Research, and 4 other AP courses will receive the AP Capstone Diploma. Grade 11, 12 Only.

English Electives

Creative Writing (11, 12)
This course is a writing workshop that focuses primarily on writing short memoirs, short stories, and poetry. Students will be required to analyze the works of published authors, produce multiple drafts of their own work, and workshop the pieces of other students with the goal of creating publishable pieces.

Journalism I (11, 12)
Journalism II (12)
This course is an elective that introduces the principles of journalistic writing, photography, layout and sales. Students will write stories, take photos and work on layouts which may be considered for publication in the school newspaper. A study of the history of journalism in America follows and an examination of current trends in journalism will also be part of the course material. The intent of this course is to publish the print edition and online edition of the school newspaper. Course work includes writing, photography, layout, webmastering, public relations and advertising sales. An after-school commitment is required.

Mathematics

General Mathematics Course Progression
Algebra I or Algebra I Honors
Geometry or Geometry Honors
Algebra II or Algebra II Honors
Adv Math or Adv Math DE
Calculus and/or Statistics

Algebra I
Algebra I Honors
This is an entry level course that bridges the gap between the concrete ideas of mathematics and the abstract thinking of Algebra. Topics studied include variables; operations and properties of real numbers; equivalent expressions and equations; solving and graphing linear equations and inequalities; factoring and solving quadratic equations; radicals; exponential growth; and probability. Special emphasis is placed on developing an understanding of functions through real-world application.

Geometry

Geometry Honors
This course focuses on the study of visual patterns and the use of Geometry to describe the physical universe, to represent mathematical concepts, and to teach problem solving skills. Students utilize inductive reasoning to study patterns and make
ALGEBRA II

This course focuses on sharpening the understanding of concepts introduced in Algebra I and Geometry and extending the use of functions as models for real-world situations. Students explore algebraic expressions and forms, especially linear and quadratic forms, powers and roots, absolute value, and functions and graphs based on these concepts. Topics include logarithmic, exponential, and polynomial functions, and matrices. Algebraic and geometric topics are connected to topics in statistics, probability, science and engineering, and discrete math. Additional Honors level topics include conics, sequences and series, probability and statistics, and trigonometry.

ADVANCED MATH

This is a college preparatory course that focuses on triangular and circular Trigonometry and Pre-Calculus. It further explores functions and their graphs through mathematical modeling, simulations, and real-world applications. Additional topics include: analytic geometry, conics, logarithms, the Number e combinatorics and probability, derivatives, and the use of graphing calculators.

College Algebra is an in-depth treatment of solving equations and inequalities; function properties and graphs; inverse functions; linear, quadratic, polynomial, rational, exponential and logarithmic functions with applications; systems of equations.

ADV MATH DUAL

A year-long, dual enrollment course where students can earn 3 credit hours. Prerequisite: Math 1021: Min. composite ACT-20 AND Min. math score of ACT-21 AND a 2.5 cumulative HS GPA.

ADV MATH DUAL (LSU MATH 1021 ONLY)

Two semesters, two dual enrollment courses: one semester of Math 1021 (College Algebra) followed by one semester of Math 1022 (College Trig.) where students can earn 6 credit hours. Prerequisites: Math 1021: Min. composite ACT-20 AND Min. math score of ACT-21 AND a 2.5 cumulative HS GPA. Prerequisite: Math 1022: Credit for Math 1021

College Algebra is an in-depth treatment of solving equations and inequalities; function properties and graphs; inverse functions; linear, quadratic, polynomial, rational, exponential and logarithmic functions with applications; systems of equations.

College Trig. is an in-depth treatment of solving trigonometric functions and graphs; inverse trigonometric functions; fundamental identities and angle formulas; solving equations; triangles with applications; polar coordinate systems.

AP STATISTICS

The AP Statistics course is equivalent to a one-semester, introductory, non-calculus-based college course in statistics. The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes in the AP Statistics course: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding. Prerequisite: Completion of Advanced Math

AP CALCULUS AB

This course follows the suggested outline as provided by the Advanced Placement Program of the College Entrance Examination Board. It is an intensive study of differential and integral calculus. This course prepares the student for the Advanced Placement Calculus Examination on the AB level. A graphing calculator is mandatory.

AP CALCULUS BC

This course follows the suggested outline as provided by the Advanced Placement Program of the College Entrance Examination Board. Topics included are those not covered in the AB course; additional methods of integration, vector and parametrically defined functions, sequences and series, polar coordinate system, and elementary differential equations. This course prepares students for the AP Calculus Exam on the BC level. A graphing calculator is mandatory.

CALCULUS III HONORS (MULTIDIMENSIONAL CALCULUS)

This course is designed to develop the topics of multivariate calculus. Emphasis is placed on multivariate functions, partial derivatives, multiple integration, solid analytical geometry, vector valued functions, and line and surface integrals. A graphing calculator is required for this course. Prerequisite: Completion of AP Calculus BC

AP PHYSICS 1 & AP PHYSICS 2

These courses are college level, algebra-based physics courses taken together in one school year. AP Physics 1 (fall) topics include: Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. AP Physics 2 (spring) topics include: fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics. Prerequisite: Bio I, Chem I, concurrent enrollment in Adv Math or Calculus.

AP BIOLOGY II & AP BIOLOGY II LAB HONORS

This course is designed to give students a college level survey course. Students complete research projects and develop independent learning skills. Students study biology in greater detail than in previous courses. Concurrent enrollment in Biology II Lab is required. Prerequisite: Credit for Biology I, Chemistry I, and Algebra II.

AP CHEMISTRY II & AP CHEM II LAB HONORS

This AP course is the equivalent to college chemistry and covers all concepts recommended in the AP Chemistry course description. It includes in-depth theoretical studies and extensive problem solving. Concurrent enrollment in Chemistry II Lab is required. Prerequisite: Credit for Biology I, Chemistry I, and Algebra II.

AP ENVIRONMENTAL SCIENCE

The Environmental Science course is designed to be equivalent of an introductory college Environmental Science course. The goal of this course is to provide students with the scientific principles, concepts, and methodologies to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the risks associated with these problems, and to examine alternative solutions resolving and/or preventing them. In this course there will be a lab component as well as a field component. Prerequisite: Credit for Biology I and Chemistry I.

AP PHYSICS C: MECHANICS

AP PHYSICS C: ELECTRICITY & MAGNETISM

Mechanics provides calculus-based college physics for science majors in the physical sciences or engineering. Topics include kinematics, laws of motion, work, energy, power, linear momentum, rotation, oscillations, and gravitation. The course includes theoretical studies, extensive problem solving, and in-depth lab investigations.

Electricity and Magnetism provides calculus-based college physics for students majoring in the physical sciences or engineering. Topics include: electrostatics, conductors, capacitors and dielectrics, electric circuits, magnetic fields and electromagnetism.

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Human Geography (9)

AP Human Geography is a full year course designed to fulfill the curriculum expectations of a one semester university human geography course. The course focuses on the processes and cause-effect relationships of human populations. Students are required to complete additional readings, projects, presentations, and writing assignments. This course can substitute for World Geography.

AP GOVERNMENT AND POLITICS: US (10)

United States Government and Politics gives 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 requires familiarity with various institutions, groups, beliefs, and ideas that constitute the U.S. government and politics. Students are required to complete additional readings, projects, presentations, and writing assignments.

AP GOVT AND POLITICS: US & COMPARATIVE

First Semester: AP Government and Politics: US gives 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 requires familiarity with various institutions, groups, beliefs, and ideas that constitute the U.S. government and politics. Students are required to complete additional readings, projects, presentations, and writing assignments.

Second Semester: AP Government and Politics: US and Comparative introduces students to fundamental concepts used by political scientists to study the processes and outcomes of politics in a variety of country setting. The course aims to illustrate the rich diversity of political life, to show available institutional alternatives, to explain differences in processes and policy outcomes, and to communicate to students the importance of global political and economic changes. Students are required to complete additional readings, projects, presentations, and writing assignments.

U.S. HISTORY (11)

United States History offers a study of the history of our nation from the Industrial Revolution until the present. Through content reading, independent research, and collaborative projects, students explore the American culture through a chronological survey of major issues, movements, people, and events in United States.

AP U.S. HISTORY (11)

This course is a two semester survey of United States History from the age of exploration and discovery to the present. Solid reading skills, along with a willingness to devote considerable time to homework and independent study are necessary to succeed. Emphasis is placed on critical and evaluate thinking skills, essay writing, interpretation of original documents, and historiography. This course can substitute for US History.

AP WORLD HISTORY (12)

AP World History is a challenging, college-level history course that seeks to develop a greater understanding of the evolution of global processes and contacts in different types of human societies over time. This means covering 10,000 years of human history from the Neolithic Revolution to the present day. With such a broad scope of study, AP World History focus less on individual nations or regions and instead focuses on patterns of interaction and shared experiences between societies. This course can substitute for World History.

AP ECONOMICS (MACRO AND MICRO) (11,12)

The aim of AP Economics is to provide the student with a learning experience equivalent to that obtained in a typical college introductory microeconomics and macroeconomics course. Although a social science course, there is a heavy emphasis on the mathematical and statistical techniques of economic analysis. Students are required to take both the AP Microeconomics and the AP Macroeconomics examinations.

AP PSYCHOLOGY (11,12)

The AP Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore such topics as the biological bases of behavior, sensation and perception, learning and memory, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, evaluate claims and evidence, and effectively communicate ideas. Students should be able to read a college-level textbook, clinical supplementary material and write grammatically correct, complete sentences.

AP PSYCHOLOGY/SOCIOLOGY (11,12)

Each subject will be covered in one semester. Intro to Sociology is a one semester course for upper-class students intended to give a broad picture of the field of sociology with an emphasis on preparation for college and critical thinking. Sociology will offer you insights to more accurately understand the society in which you live. Intro to Psychology will focus on the study of human behavior. As an introduction to the field of psychology, students will cover psychological principles, terminology, major theories, careers, methods of experimentation, and practical applications. This course will also focus on specific topics in psychology such as but not limited to: personality, memory, sensation, adolescent development, psychological disorders. The course relies heavily on problem solving and working in groups. Participation, discussion, and feedback are essential and group activity, work and cooperation are heavily emphasized. Readings are on a college level.

SOCIAL STUDIES ELECTIVES

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AFRICAN AMERICAN STUDIES (11,12)

This course provides an overview of African American history and culture. Topics include major events, persons, and issues spanning from the 16th century and the origin of African American heritage to contemporary times.

FRENCH I (9)

A beginning course designed to give students the experience of learning a second language and gaining an appreciation of the cultures and places in which French is spoken. Listening comprehension, speaking, reading, and writing are included in the course curriculum.

FRENCH II (10)

This course is a continuation of French I with experience of learning a second language and gaining an appreciation of the cultures and places in which French is spoken. Listening comprehension, speaking, reading, and writing are included in the course curriculum.

FRENCH I HONORS (10)

This is a two semester, DUAL enrollment course where students can earn 8 total credit hours. This is a General Education course. These are college-level French language courses that serve as an accelerated version of French I and French II. A college-level work ethic is required.

FRENCH II HONORS (12)

This is a two semester, DUAL enrollment course where students can earn 8 total credit hours. This is a General Education course. These are college-level French language courses that are the course sequence following FREN 1001 / 1002.

SPANISH I (9)

A beginning course designed to give students the experience of learning a second language and gaining an appreciation of the cultures and places in which Spanish is spoken. Listening comprehension, speaking, reading, and writing are included in the course curriculum. This course introduces students to language immersion.

SPANISH II (10)

This course furthers the material covered in Spanish I, with stronger emphasis on advanced grammatical structures. As well as more advanced speaking and reading material, the course also includes a more in-depth study of cultural norms and practices.

SPANISH III (10,11)

This is a two semester, DUAL enrollment course where students can earn 8 total credit hours. Basic lexicon and structure of Spanish; emphasis on communicative language use. These are college level Spanish Language courses that serves as an accelerated version of Spanish I and Spanish II. A college-level work ethic is required.
SPANISH 2101/2102 (11,12)
SPANISH IV HONORS (11,12)
This is a two semester, DUAL enrollment course where students can earn 8 total credit hours. Continued study of elementary Spanish. Additional emphasis on reading and writing.

SPANISH V HONORS (12)
This course is geared towards intermediate level Spanish speakers who express interest in developing their oral and written skills through the study of authentic Spanish material, such as current literature, film, news articles, etc. This course is taught primarily in Spanish with a strong emphasis on oral communication. Heritage and native speakers are welcome.

LATIN I (9)
This course concentrates on the basics of the Latin language with drill in grammar and translation. Roman history, legends, myths, religion and customs are presented throughout the course to promote a greater understanding of the Romans.

LATIN II (10)
This course extends the study of the Latin language, but the major emphasis is on translating the language with precision.

LATIN III HONORS (11)
This course consists of more difficult readings from the works of Roman writers, poets and historians with emphasis on differences in styles, in point of view, and in word usage.

AP LATIN IV (12)
This course helps the advanced Latin student to understand Vergil's Aeneid and Caesar's De Bello Gallico in depth. The course is quite rigorous and requires a substantial time commitment on both the teacher's and student's parts. Emphasis is placed on the content of what the Roman author says, his style and how it is interpreted by today's scholars. College credit is contingent upon scores on the AP test given at the end of the year.

CHINESE I HONORS (9,10,11,12)
A beginning course designed to give students the experience of learning a second language and gaining an appreciation of the cultures and places in which Chinese is spoken. Listening comprehension, speaking, reading, and writing are included in the course curriculum.

CHINESE II HONORS (10,11,12)
This course is a continuation of Chinese I with emphasis on conversations skills, reading, listening, and writing. Upon completion of this course, the student will have a basic command of elementary sentence patterns and grammatical structures.

GREEK I HONORS (9,10,11,12)
This course concentrates on the basics of Ancient Greek with an emphasis on grammar and translation. By studying the language's vocabulary, grammar, and syntax, they not only gain appreciation for its intricacies and nuances but also learn more about their own language and about language in general. Greek history, legends, myths, religion and customs are presented throughout the course to promote a greater understanding of the Greeks.

INTRO TO BUSINESS AND COMPUTER APPLICATIONS (9)
This course is designed to provide students with basic computer application skills. Students will be introduced to the touch method of operating a computer keyboard to produce simple business documents. Emphasis is placed on basic computer concepts both hardware and software, word processing and spreadsheet applications.

BUSINESS AND COMPUTER APPLICATIONS (10)
This course introduces computer software used today in the business industry. Content will focus on word processing, spreadsheet, access and presentation software.

PRINCIPLES OF MARKETING (10,11)
Principles of Marketing introduces the basic foundations and functions of marketing and entrepreneurship. Emphasis is placed knowledge, skills, and attitudes necessary for entering and advancing in the field and reinforced in this course through the application of marketing and entrepreneurial principles. Work-based learning strategies appropriate for this course include job shadowing, field trips and/or cooperative education. Business simulations, projects, teamwork, DECA leadership activities, conferences, and competitions provide opportunities for application of instructional competencies.

ENTREPRENEURSHIP (11,12)
This course introduces key concepts of a successful customer service program. The curriculum includes customer satisfaction, challenges of customer service, changing customer expectations and customer retention. Students in this class will manage the school stores.

CUSTOMER SERVICE (12)
In this course, students are taught the key concepts of a successful customer service program. Students in this course have scheduled class time as employees in our school store.

BUSINESS INTERNSHIP (12)
This course is designed to provide students an opportunity to apply learned skills in the workplace. Students work with the internship coordinator to secure paid or non-paid internships in the student-related field of study. Students will be coached in the proper way to apply for and secure a desired position. The student has the opportunity to explore a single potential career or a combination of careers they may be considering. Emphasis will be placed on developing interpersonal skills, work ethics, and relevant skills of the workplace and an understanding of the selected career field of study. Oral and written communication skills are reinforced in this course as the student completes his/her workplace experience. Opportunities for application of clinical and leadership skills are provided by participation in the classroom through activities, projects, and online studies.

Prerequisites:
1. Must be a senior.
2. Must have completed or be enrolled in one course in your chosen field of postsecondary study. (For example: Computer Science I if interested in programming, etc.)
3. Must have good academic and discipline records

OFFICE AIDE -- APPLICATION ONLY (12)
Students serve as office aides in the various Academy offices. This class is NOT for credit. Grade 12 ONLY. Application ONLY.

INTRO TO PUBLIC SPEAKING (SPEECH I)
This is a basic course designed to teach students for specialized speaking situations including reports, orations, impromptu speaking, panel discussions and elementary debate. Students learn techniques for overcoming stage fright and improve their ability to compose and deliver speeches as well as listen critically to other students' speeches.

SEMINAR IN CURRENT TRENDS (SPEECH II)
This is a seminar-style class that focuses on in-depth research and discussion of current trends in society, including politics and government, entertainment, sports, media and healthcare. Group discussion, extemporaneous speaking and declamation will be a part of the speech element of the class.

ENTREPRENEURSHIP (11,12)
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PHYSICAL EDUCATION
- School PE uniform required

PHYSICAL EDUCATION I

PHYSICAL EDUCATION II

PHYSICAL EDUCATION III

PHYSICAL EDUCATION IV

The aim of this course is to develop activities which a person can use later in life. Such activities as volleyball, basketball, track and field, soccer, flag football, and softball are taught.

PHYSICAL EDUCATION—DANCE

HEALTH
The goal in this class is to provide experiences and activities in health education that will help students to make informed choices about personal, family, and community health. The topics to be covered are first aid and safety, personal health, substance use and abuse, nutrition, and how to prevent obesity. 1/2 Credit is required for graduation.

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SPORTS MEDICINE I
This course provides an opportunity for the study and application of the components of sports medicine, including but not limited to sports medicine-related careers; organizational and administrative considerations; prevention of athletic injuries; recognition, evaluation and immediate care of athletic injuries; rehabilitation and management skills; taping and wrapping techniques; emergency procedures; concussion syndrome; nutrition; sports psychology; human anatomy and physiology; basic therapeutic modalities; and therapeutic exercise. Sports Medicine I will concentrate on the lower extremities: foot, ankle, knee and hip. Grades 11-12.

WEIGHT LIFTING
This introductory course is designed to help students improve muscular strength, teach proper lifting form and techniques and gain knowledge and understanding of weight lifting.
ART I
This course covers studio production, critical analysis, aesthetic awareness, and selected art history topics. Students will develop their own projects of visual arts which absolutely require that students are able to formulate their own projects with teacher guidance.

ART II

ART III

ART IV
These courses are intermediate and advanced levels of visual arts which absolutely require that students are able to formulate their own projects with teacher guidance.

JROTC I
Introduction to Drill and Ceremony, Physical Training, Drill Team, Color Guard, Rifle Team, marching, rifle drill, customs and courtesies, and wear of the JROTC uniform. ROTC 1 counts towards credit for physical education and health.

JROTC II
JROTC II gives students an opportunity for leadership in cadet formations, marching, physical training and team events. Completion of ROTC I and II give full credit for physical education and health.

JROTC III
Introduction to individual and team planning, problem solving, decision making, public speaking and service learning. Cadets in JROTC III have opportunity for more advanced leadership in a program purposely designed for student led activity: Leadership in Drill Team, Color Guard, and Rifle Team. Highly motivated, disciplined, fit, consistent, productive, cooperative and respectful cadets will have an opportunity to serve in Cadet Battalion Staff positions.

JROTC IV
The highest level of leadership and responsibility. Leadership Education Training (LET) 4 cadets have opportunity to lead, plan, and execute training and service for the entire Corps of Cadets. LET 4 cadets must be the hardest working cadets in the school, setting the example: teaching, training, coaching, and mentoring other cadets. Completion of JROTC IV gives cadets an advantage in competing for ROTC scholarships and entry into military service.

JROTC
The Army Junior Reserve Officer Training Corps (JROTC) teaches character, education, achievement, wellness, leadership, and diversity. It is a cooperative effort between the Army and the high schools to produce successful students and citizens, while fostering in each school a more constructive and disciplined learning environment. The curriculum consists of education in citizenship, leadership, social and communication skills, physical fitness and wellness, geography, and civics. JROTC does have hair, make up and jewelry standards higher than the school standards. Students are required to wear the uniform properly and participate in physical training at least once per week.

AP ART COURSES
College level accelerated art courses addressing conceptual and perceptual aspects of art production. The AP exam requires a 24 piece portfolio due in April of 2020.

AP ART I: DRAWING
Work may be in any media (painting, drawing, print-making, collage, mixed-media) as long as it incorporates drawing in some way.

AP ART II: 2-D DESIGN
Work may be in any two-dimensional media. The final portfolio must collectively address all elements and principles of design.

AP ART III: 3-D DESIGN
Work may be in any three-dimensional media. The final sculpture portfolio must address all elements and principles of design.

ART

$50 Fee for all Art Courses
All Art students must submit a digital portfolio (min. of 5 pieces) within two weeks of registration. Send images to sarnold@ebrschools.org.

$94 AP Art Exam Fee
Students enrolled in AP Art Courses are REQUIRED to submit an AP Portfolio at the end of the course. College credit maybe granted based on the student's AP Exam score.

BEGINNING ART

BEGINNING BAND
This course is designed for students with a serious interest in studying instrumental music and developing skills necessary to join the more experienced performing ensembles. In order to achieve the outcomes of this course perspective students should be disciplined and self-motivated. Students will need to obtain an instrument.

INTERMEDIATE BAND
The Intermediate Band is a performing ensemble. Most rising 9th graders are expected to have already achieved the skill level necessary to perform at the Grade II level. This class will include a continuation of skills learned at the middle-school level. Besides the learning and performance of concert music, other music fundamentals will be reinforced.

ADVANCED BAND (SYMPHONIC BAND)
Work may be in any three-dimensional media. The final sculpture portfolio must address all elements and principles of design.

JAZZ ENSEMBLE
This course will cover a variety of styles and interpretations for the best literature written for this medium as well as basic improvisation and theory.

JAZZ THEORY AND IMPROVISATION
This course will cover scale/chord theory and instrumental techniques with the goal of creating expressive improvisations and compositions.

THEATRE I: INTRODUCTION TO THEATRE
Students explore basic techniques in acting, directing, and producing live theatre as well as critical analysis of the art. A variety of performance and project assignments provide an opportunity for the individual to develop, organize, and interpret knowledge for application. Students develop creative expression through the application of knowledge, ideas, communication and collaboration skills, organization abilities, and integrating role-playing and further learning. No prior acting experience necessary. Recommended for grades: 9-10.

THEATRE II: METHODS & STYLES OF ACTING
Students apply basic techniques in acting, directing, and producing live theatre while exploring major developments in drama, major playwrights and their plays, the evolution of theatre as a culture, production styles, and critical analysis of the art. Students develop aesthetic perception as well as historical and cultural perspective through the knowledge of art forms, respect for their commonalities and differences, and by recognizing and understanding that the arts throughout history are a record of human experience with a past, present, and future.

THEATRE III: ADVANCED ACTING
Students refine skills in acting, characterization, script analysis, and research technique through the study of improvisation, monologues, scenes, stage combat, auditioning, and musical theatre. Students will also investigate career opportunities in theatre arts. Students develop accountability, productivity, and collaboration skills. Students may be required to participate in a one-act or full length play each semester. After school and/or evening rehearsals will be required in preparation for performances. * may be repeated for credit.

THEATRE IV: PLAY PRODUCTION
Students apply acquired knowledge and skills in acting, characterization, script analysis, focused research, play selection, publicity and promotion, stage management, and house management as well as scenery, costume, prop, and sound design/ construction. Students are required to participate in a one-act or full-length play each semester. After school and/or evening rehearsals will be required in preparation for performances. * may be repeated for credit.

THEATRE IV: TECHNICAL THEATRE
This is an introductory course to stagecraft and technical theater with work in basic stage carpentry, lighting, special effects and scenery painting presented in the form of lectures, demonstrations, and skills labs. Students are required to crew shows after regular school hours.
Lee Magnet High School in collaboration with the LSU College of Engineering, the LSU School of Music, the LSU School of Art & Design, the LSU Cain Center and the Louisiana Department of Education, are providing programs for high school students that will better prepare them to compete in the 21st century. We have developed a curriculum that engages students in both understanding engineering and interacting with engineering in the classroom. The curriculum helps students understand the profession as a potential career along with learning key skills that will serve them well in college or in technical fields within industry. This program builds on a student’s traditional academic core classes and gives them an avenue to see where the field of engineering can take them. LSU will offer an “LSU Pre-Engineering Certificate of Course Completion” to high school students who participate in the LSU pre-engineering pathway. The Louisiana Department of Education will grant a Pre-Engineering Pathway Credential to students who earn the required course completion certificates. Pathway Credentials in Digital Design & Emergent Media, Biomedical and Computer Sciences are awaiting approval from the Louisiana Department of Education.
INTRO TO FILM
An entry-level course that will serve as an introduction to basic video/film/audio production. The goal of the course is for the student to develop the ability to capture great video images and audio, and to be able to edit those elements together to tell a story.

INTRO TO MUSIC PRODUCTION
An entry-level course that will serve as an introduction to the technical aspects of music production, including how sound is translated into audio signals, recording techniques and effects, and to be able to capture great video images and audio, and to be able to edit those elements together to tell a story.

SOUND DESIGN (LSU MUS 2745)
Create original projects using a variety of music production software tools for sequencing, sound editing, synthesis, and effects. Get familiar with music notation software. Use edit and mix a studio session using professional tools. Get hands-on training with microphones, mixers, and other live sound equipment.

INTERACTIVE EMERGENT MEDIA CAPSTONE
Students create an individual project, presenting it to fellow students, faculty, and industry professionals. They apply the knowledge and skills obtained in the program to design a significant project in a collaborative environment. At the end of the semester, they make a formal oral presentation of their project to a faculty committee.

VIDEO GAME DESIGN
The course is project-based, the students will not just be learning dry programming concepts, but applying them immediately to real games. Students will build an entire game themselves no assets or prebuilds. Students will also be challenged to apply, and re-apply their knowledge regularly. The course will be taught only utilizing C#. The students will learn C#, including Test Driver Development, a highly valuable skill. This is a higher order thinking course, that can build students' confidence in the basics of coding and game development, and make them hungry to learn more.

ADVANCED FILM
Pre-Req: Both Intro and Intermediate Film Students will work together on individually created films as well as a final project film that will be submitted to a film prize competition. The course will focus heavily on the directing aspect of film and give students the opportunity to direct their peers. Students should already have taken intro to film and intermediate film to be admitted to this class.

FILM & TELEVISION
Students produce the school’s morning show.

PHOTOGRAPHY III (AP ART 2D DESIGN)
Students are required to have their own digital SLR camera. Students create images for AP Art Exam submission at the end of the school year. Students maintain the art gallery around the campus.

AP MUSIC THEORY
This course is an introduction to first-year college musicianship, theory, musical materials and procedures. Students should have the ability to read and write musical notation. Students taking this course are required to take the AP Exam at the end of the course.
INTRO TO BIOMEDICAL
This full year course is modular and covers a large variety of fields in biomedicine. Each module is designed to provide students with opportunities to develop their public speaking skills, as well as learn how to cooperate in a group efficiently and professionally. Topics can include things such as: sports medicine, pharmacology, psychology, nutrition, veterinary medicine, bioinstrumentation, biomedical engineering, forensic anthropology, parasitology, and speech pathology. Modules are selected based on student interest, availability of potential guest speakers, or timing of field trips. Grade 9.

INTRO TO COMPUTATIONAL THINKING FOR STEM
Students are introduced coding as the means to express and communicate STEM ideas and to interact with computing devices. Students are presented with problems arising from science, engineering and mathematics for which simple computational solutions are easily available. These ideas will be illustrated using games, where the Pythagorean Theorem is the basis of collision detection, and the equations of motion are the basis of realistic behavior. This course will build upon concepts from Algebra I, which will be visualized and put into practice in numerous hands-on projects. Grade 9.

COMPARATIVE ANATOMY AND PHYSIOLOGY
Students engage in rigorous studies of the many body systems found in vertebrates, and compare and contrast these systems across many other species (both vertebrate and non-vertebrate). Students are provided opportunities to showcase and perfect their public speaking abilities. Additionally, they are exposed to academic and scientific writings as they learn how to research information on their own. This course provides opportunities for hands-on dissections and other lab-based activities. Completion of biology is required for this course. Grade 10.

SPORTS MEDICINE I
This course provides an opportunity for the study and application of the components of sports medicine, including but not limited to sports medicine-related careers; organizational and administrative considerations; prevention of athletic injuries; recognition, evaluation and immediate care of athletic injuries; rehabilitation and management skills; taping and wrapping techniques; emergency procedures; concussion syndrome; nutrition; sports psychology; human anatomy and physiology; basic therapeutic modalities; and therapeutic exercise. Sports Medicine I will concentrate on the lower extremities: foot, ankle, knee and hip. Grades 11-12.

FORENSIC SCIENCE
This lab-intensive course allows students to pursue an in-depth study of forensic science as a tool for collecting evidence and crime scene analysis.

Areas of study and analysis will include: physical evidence, properties of matter and the analysis of glass, drugs, forensic toxicology, the microscope, forensic serology, DNA, trace evidence, fire investigation, investigation of explosives, fingerprints, ballistics, forensic anthropology, casts and impressions, document examination and computer forensics. Grades 11-12.

INTRODUCTORY BIOINFORMATICS AND DATA MINING
The primary objective of this course is to introduce Bioinformatics to high school students with emphasis on searching and retrieving biological data, sorting the data and finally analyzing the sorted data to draw meaningful conclusions. This course will involve hands-on activities and projects on computers/laptops and will teach students how to relate the outcome of each activity to a real-life biological scenario. While moving through this course, students will be introduced to some cutting-edge bioinformatics resources and tools so that by the end of the course they would be prepared to either go for advanced college level computational biology education or would be able to apply the knowledge gained in this course to tackle common bioinformatic tasks at a university level biology research lab. Grades 11-12.

MICROBIOLOGY
Bases on contemporary applications of microbiology, this course is designed to present both fundamental concepts of microbial physiology and growth as well as microbial control measures ranging from asepsis to antibiotics. The role of microorganisms in natural ecosystems, research, manufacturing and human infection will be explored, with emphasis on prokaryotic genetics and metabolism. Mechanisms of evolution will be discussed within the context of emerging pathogens and novel bioengineered organisms. The dynamics between the human microbiome and resistance to infection will be presented along with epidemiological models. Grades 11-12.

BIOMEDICAL CAPSTONE PROJECT
This course is required for all SENIORS in the Biomedical Academy. Students spend time interning for a wide range of biomedically focused local companies, businesses, and organizations. Students will gain work experience, and will be more familiar with several possible career paths and opportunities available to them. Grade 12.

OTHER COURSES RECOMMENDED FOR BIOMEDICAL STUDENTS

- AP STATISTICS
- AP COMPUTER SCIENCE A or PRINCIPLES
- AP BIOLOGY/BIOLOGY II/ BIOLOGY DE
- AP CHEMISTRY/CHEMISTRY II/ CHEMISTRY DE
- AP ENVIRONMENTAL SCI/COASTAL STUDIES

INTRO TO COMPUTATIONAL THINKING FOR STEM
This course introduces coding as the means to express and communicate STEM ideas and to interact with computing devices. Students are presented with problems arising from science, engineering and mathematics for which simple computational solutions are easily available. These ideas will be illustrated using games, where the Pythagorean Theorem is the basis of collision detection, and the equations of motion are the basis of realistic behavior. This course will build upon concepts from Algebra I, which will be visualized and put into practice in numerous hands-on projects. Grade 9.

CYBER LITERACY
A hands-on course that builds a strong cyber foundation for high school students. The course introduces students to cyber by blending robotics, programming, electricity, and elements of liberal arts. Students will learn about the opportunities, threats, responsibilities, and legal constraints associated with operating in cyber space. Cyber Literacy lays the foundation for further exploration into STEM and Cyber related topics.

This is a full year introduction to computer science and computer programming languages are Python, JavaScript and PBASIC. The course introduces beginning students to computer programming using structured programming concepts and the top down design approach. Specific topics covered include algorithmic development, numeric and string manipulation, file processing, and the use of subprograms, arrays, and list. Pre-req: Creativity concurrent enrollment in Geometry AND Credit for Intro to Computational Thinking or permission from the teacher. Grade 10.

AP COMPUTER SCIENCE A
This is a college level Computer Science course using the Java programming language. Throughout the class, emphasis will be placed on the object oriented approach to designing programs through the use of classes and objects. Topics covered will include creating classes and objects of classes, the use of strings and string manipulation, methods and method overloading, file stream processing, arrays and array processing, collection classes, and exception handling. Additionally, students will be introduced to the creation of graphical user interface for programs. This course is designed to prepare students for the Computer Science-A advanced placement test. Students who take this class are required to take the AP exam.

AP COMPUTER SCIENCE PRINCIPLES
This course introduces students to the central idea of computer science, instilling the ideas and practices of computational thinking and inviting students to understand how computing changes the world. The rigorous course promotes learning of computational content, develops computational thinking skills, and engages students in the creative aspects of the field. Students who take this class are required to take the AP exam.

OTHER COURSES RECOMMENDED FOR COMPUTER SCIENCE STUDENTS

- PROGRAMMING FOR DIGITAL MEDIA
- PROGRAMMING FOR ENGINEERS
- CODING FOR THE WEB
- WEB DESIGN & TECHNOLOGY

- AP CALCULUS AB
- AP CALCULUS BC
- AP PHYSICS
Lee High School became a dedicated magnet school in 2013 focusing on Science, Technology, Engineering and Math (STEM). LEE’s vision is to provide a college preparatory curriculum that will enable students to be lifelong learners, critical thinkers, and ethical citizens who can function in an increasingly technical, diverse and global environment. The state of the art campus and specialized electives in Engineering, Digital Media, Computer Science, and Biomedical Sciences makes Lee Magnet High School “A School Like No Other!”

LEE is an "A" rated school and offers an advanced, college preparatory curriculum that includes, 25 Advanced Placement courses, 12 Dual Enrollment courses, 14 Honors courses, and Engineering, Digital Media, Computer Science and Biomedical elective courses. LEE is a 1-to-1 school where students are provided with a laptop for the entire school year and are permitted to take their devices home. All grade levels have an opportunity to participate in over 40 student-led clubs and organizations.

The current enrollment is 1050 East Baton Rouge Parish students in grades 9-12. The student population is two-thirds female, sixty-eight percent African American, nineteen percent Caucasian, seven percent Asian and five percent Hispanic.

This year, LEE recognized 2 National Merit Commended students, 1 National AP Scholar, 8 AP Scholars with Distinction, 6 AP Scholars with Honor and 34 AP Scholars this year. The most recent graduating class, totaling 171 students, were 100% college bound.