INTRODUCTION

The purpose of the HS Program of Studies is to help you select the courses you will take in the upcoming school year. At the University Laboratory School, scheduling courses is done through a partnership between students, teachers, parents, and the School Counselors. During the spring semester of each year, an updated copy of the HS Program of Studies is posted to the school’s website to assist you in making informed decisions about scheduling for the coming year. This guide should be your first resource for answering questions about courses and scheduling at the University Laboratory School.

Your high school education is influenced by your selection of courses and by the application of your abilities. Although colleges vary in their specific entrance requirements, admission is typically based on the students’ high school grades, rigor of courses taken, standardized test scores, participation in extra-curricular activities and letters of recommendation. The courses included in this guide are designed to allow all students to pursue a rigorous college preparatory program of study.

SCHEDULING INFORMATION

COURSE REQUEST PROCESS

The School Counselors distribute the course request sheets each spring. Parents and students are welcome to meet with their child’s School Counselor to discuss course plans. The signed and completed course request sheet should be returned to the School Counselor. While no student is guaranteed his first-choice elective course, students who do not return their course request sheets by the deadline may lose priority in the scheduling process.

SCHEDULE CHANGES

Space permitting, any change in course requests must be made by a parent or guardian in writing and submitted to the School Counselor. AP and IB courses are a full year commitment. Students may not drop or add a class after the 3rd day of school at 8:00 a.m. Requests for a specific teacher or a specific order of classes will not be honored due the effect these changes have on class size and classroom instruction.

SCHEDULING CONFLICTS

The LSU Laboratory School offers a variety of courses and we make every effort to fulfill student course requests. As at any school, however, there will be times when a student cannot schedule every course that he or she wants. Students are given the opportunity to choose alternative courses on the course selection sheet should there be a conflict. If no alternates are listed, students are placed in the course deemed most appropriate by the School Counselor.

THE OFFERING OF COURSES

Although ULS guarantees course options to meet graduation requirements, the administration reserves the right to cancel courses based on insufficient enrollment.

GENERAL INFORMATION

CLASS RANK

Students will not be ranked until after final exams senior year to determine valedictorian and salutatorian. This calculation is determined by the number of Carnegie credits and the grade point value of those credits. This rank will only appear on the final high school transcript after graduation.
COLLEGE ADMISSIONS AND TOPS

Since admissions requirements vary from college to college, high school graduation does not guarantee admission to college. It is primarily the responsibility of the student and the parent to ensure that the student’s credits, grade point average, and standardized test scores meet the requirements of the Taylor Opportunity Program for Students (TOPS) and the college he or she chooses to enter. This also applies to National Collegiate Athletics Association (NCAA) requirements.

EARLY GRADUATION

The LSU Laboratory does not offer early graduation.

MATH PROGRESSION AT ULS

<table>
<thead>
<tr>
<th>Grade</th>
<th>Track 1</th>
<th>Track 2</th>
<th>Track 3*</th>
</tr>
</thead>
<tbody>
<tr>
<td>6th Grade</td>
<td>Middle School Math</td>
<td>Pre-Algebra</td>
<td>Pre-Algebra</td>
</tr>
<tr>
<td>7th Grade</td>
<td>Pre-Algebra</td>
<td>Algebra I</td>
<td>Algebra I: Advanced</td>
</tr>
<tr>
<td>8th Grade</td>
<td>Algebra I</td>
<td>Geometry</td>
<td>Geometry: Advanced &amp; Algebra II proficiency</td>
</tr>
<tr>
<td>9th Grade</td>
<td>Geometry</td>
<td>Algebra II</td>
<td>Math I IB</td>
</tr>
<tr>
<td>10th Grade</td>
<td>Algebra II</td>
<td>Math I IB</td>
<td>Math II IB</td>
</tr>
<tr>
<td>11th Grade</td>
<td>Additional math</td>
<td>Additional math</td>
<td>Additional math</td>
</tr>
<tr>
<td>12th Grade</td>
<td>Additional math</td>
<td>Additional math</td>
<td>Additional math</td>
</tr>
</tbody>
</table>

* Track 3 will no longer be offered after the 2020-2021 academic year.

SCIENCE PROGRESSION AT ULS

<table>
<thead>
<tr>
<th>GRADE</th>
<th>TRACK 1</th>
<th>TRACK 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>9th Grade</td>
<td>Physical Science</td>
<td>Biology I</td>
</tr>
<tr>
<td>10th Grade</td>
<td>Biology I</td>
<td>Chemistry</td>
</tr>
<tr>
<td>11th Grade</td>
<td>Chemistry</td>
<td>Additional science</td>
</tr>
<tr>
<td>12th Grade</td>
<td>Additional science</td>
<td>Additional science</td>
</tr>
</tbody>
</table>
HIGH SCHOOL COURSES TAKEN IN MIDDLE SCHOOL

Middle school students taking courses for high school credit may opt to have those grades transferred to their high school transcript or they may opt to repeat the course(s) in 9th grade. High school courses taken in middle school, count towards the Carnegie credits needed to graduate, count towards TOPS, count in the class ranking, and count towards a student’s cumulative grade point average. Regardless of how many high school Carnegie credits are earned in middle school, students must take English, math, science, and social studies all 4 years of high school.

HONOR GRADUATES

All students who have a 3.90 or higher-grade point average at the end high school shall be designated as Honor Graduates and recognized as such at Baccalaureate.

SALUTATORIAN

To be eligible for this award, the student(s) shall have the second highest cumulative grade point average at the end of high school. Students must also have been enrolled at ULS their entire junior and senior years.

SUMMER SCHOOL

Students who fail a required course either first or second semester must attend summer school in order to be promoted to the next grade. Students may not enroll in any course, summer school or otherwise, while also being concurrently enrolled in the same course at ULS. The following summer schools are approved by ULS:

- Ascension Parish Public Schools
- Central Community School District
- City of Baker School District
- East Baton Rouge Parish Schools
- Livingston Parish Schools
- Trinity Christian Academy – Zachary (grades 7-12 only)
- West Baton Rouge Parish Schools

Please contact the summer school directly for registration dates, times, costs, and courses offered. It is ultimately the responsibility of the parent/guardian to ensure that the summer school offers the courses(s) needed to be repeated.

As per the ULS Pupil Progression Plan, students who fail more than any combination of four half credits throughout middle school or throughout high school are not eligible for promotion at the LSU Laboratory School and must return to their Free and Appropriate Public Education (FAPE) school district. Further, if a course which is repeated in summer school is not passed before the start of the upcoming school year, the student must return to their FAPE school district.

TAKING COURSES OFF CAMPUS & PROFICIENCY TESTS

Although students are encouraged to seek enrichment opportunities, students may not take a course off campus or take a proficiency test in order to advance to the next level in a discipline. Additionally, once enrolled at ULS, initial Carnegie credit will not be added to the ULS transcript for any course completed elsewhere except for one-half Carnegie credit of Health.

TRANSFER STUDENTS

Students who transfer to the LSU Laboratory School with a letter grade showing on the transcript from the previous school will be given that same letter grade on the LSU Laboratory School transcript. If grade point averages are on the previous school’s transcript and their grade scale is available, that student will be awarded a letter grade based on the previous
school’s grade scale. Should a grade scale for the previous school not be available, letter grades will be based on the LSU Laboratory School’s grade scale.

Advanced Placement, Dual Enrollment and International Baccalaureate courses taken a previous school will be awarded additional quality points if recognized by the Louisiana Department of Education. Upon enrollment, students must submit a college transcript indicating that college credit was awarded in order to receive additional quality points for Dual Enrollment.

VALEDICTORIAN

To be eligible for this award, the student(s) shall have the highest cumulative grade point average at the end of high school. Students must also have been enrolled at the LSU Laboratory School their entire junior and senior years.

GRADING SCALE & QUALITY POINTS

Advanced Placement, Dual Enrollment, Honors, and International Baccalaureate courses are weighted courses and as such earn additional points.

ULS GRADE SCALES AND QUALITY POINTS

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>Unweighted Grade Scale</th>
<th>Unweighted Quality Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>93-100</td>
<td>4 quality points</td>
</tr>
<tr>
<td>B</td>
<td>85 - 92</td>
<td>3 quality points</td>
</tr>
<tr>
<td>C</td>
<td>75 - 84</td>
<td>2 quality points</td>
</tr>
<tr>
<td>D</td>
<td>67 - 74</td>
<td>1 quality points</td>
</tr>
<tr>
<td>F</td>
<td>0 - 66</td>
<td>0 quality points</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>Weighted Grade Scale**</th>
<th>Weighted Quality Points**</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>90-100</td>
<td>5 quality points</td>
</tr>
<tr>
<td>B</td>
<td>80 – 89</td>
<td>5 quality points</td>
</tr>
<tr>
<td>C</td>
<td>70 – 79</td>
<td>3 quality points</td>
</tr>
<tr>
<td>D</td>
<td>60 – 69</td>
<td>2 quality points</td>
</tr>
<tr>
<td>F</td>
<td>0 – 59</td>
<td>0 quality points</td>
</tr>
</tbody>
</table>

** AP/DE/H/IB are weighted courses
WEIGHTED COURSE INFORMATION

Prior to the scheduling process, high school students will have an opportunity to learn about the Advanced Placement, Dual Enrollment, Honors, and International Baccalaureate course offerings from their respective coordinators.

ADVANCED PLACEMENT COURSES

Advanced Placement (AP) classes are complex and abstract. These courses emphasize the academic study and performance skills to help prepare the learner to successfully complete the examinations at the end of these course. The information, skills and assignments are comparable to college courses. Please visit the ULS website for additional information. All AP courses require a one year commitment and cannot be dropped at the semester.

Questions regarding AP courses should be directed to the AP/IB coordinator Candence Robillard at crobil1@lsu.edu.

DUAL ENROLLMENT COURSES

Dual Enrollment (DE) courses follow a college-level curriculum. Students taking DE courses earn high school and college credit. Questions regarding the Dual Enrollment Program should be directed to the DE Coordinator, Aimee Welch-James, at awelch1@lsu.edu. Also, please visit the website for additional DE requirements.

Per Bulletin 741, the student shall earn at least two or three college hours of credit per semester. A course consisting of at least two college hours shall be counted as no more than one unit of credit toward high school graduation. Therefore, all 3-hour DE courses will receive 1 Carnegie unit of high school credit.

For a listing of Advanced Placement, Dual Enrollment, International Baccalaureate course offerings at U-High, please visit the school website.

MINIMUM DUAL ENROLLMENT REQUIREMENTS

<table>
<thead>
<tr>
<th>TABLE 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.5 Cumulative GPA</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

HONORS COURSES

Honors classes are college preparatory classes that cover topics in greater depth.

INTERNATIONAL BACCALAUREATE COURSES

The International Baccalaureate (IB) Program is an internationally recognized program of studies that emphasizes interdisciplinary learning, critical thinking, and global understanding. Students who wish to pursue the full IB Diploma will apply to the program in January of their sophomore year. Other students may select individual IB courses as their schedules allow. All IB courses require at least a one year commitment and cannot be dropped at the semester. All HL IB course students must take the IB exam at the end of the course. SL course students are strongly encourage to take the IB exams for their respective courses.

Questions regarding IB courses should be directed to the AP/IB coordinator Candence Robillard at crobil1@lsu.edu. Also, please visit the school website for additional information.
ULS GRADUATION REQUIREMENTS
Class of 2018 and thereafter
(ULS graduation requirements align with the TOPS University Diploma requirements)

**TABLE 6**

<table>
<thead>
<tr>
<th>CREDITS</th>
<th>COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGLISH = 4 CREDITS**</td>
<td></td>
</tr>
<tr>
<td>1 Credit</td>
<td>English I*</td>
</tr>
<tr>
<td>1 Credit</td>
<td>English II*</td>
</tr>
<tr>
<td>1 Credit</td>
<td>English III or English III H or English III IB</td>
</tr>
<tr>
<td>1 Credit</td>
<td>English IV or English IV H or English IV IB</td>
</tr>
<tr>
<td>MATH = 4 CREDITS**</td>
<td></td>
</tr>
<tr>
<td>1 Credit</td>
<td>Algebra I*</td>
</tr>
<tr>
<td>1 Credit</td>
<td>Geometry*</td>
</tr>
<tr>
<td>1 Credit</td>
<td>Algebra II</td>
</tr>
<tr>
<td>1 Credit</td>
<td>Advanced Math - Functions &amp; Statistics, Advanced Math - Pre calculus H, Math I IB, Math II IB, AP Calculus AB or AP Calculus BC</td>
</tr>
<tr>
<td>SCIENCE = 4 CREDITS**</td>
<td></td>
</tr>
<tr>
<td>1 Credit</td>
<td>Biology I*</td>
</tr>
<tr>
<td>1 Credit</td>
<td>Chemistry I</td>
</tr>
<tr>
<td>2 Credits</td>
<td>Physical Science, Biology II IB, Chemistry AP, Environmental Science, Environmental Systems IB, Physics or Physics I IB, Physics II IB</td>
</tr>
<tr>
<td>SOCIAL STUDIES = 4 CREDITS**</td>
<td></td>
</tr>
<tr>
<td>1 Credit</td>
<td>World Geography or AP Human Geography</td>
</tr>
<tr>
<td>1 Credit</td>
<td>Civics or AP U.S. Government</td>
</tr>
<tr>
<td>1 Credit</td>
<td>U.S. History* or U.S. History H* or IB History of the Americas I*</td>
</tr>
<tr>
<td>1 Credit</td>
<td>World History or World History H or IB History of the Americas II</td>
</tr>
<tr>
<td>PHYSICAL ED. = 1.5 CREDITS</td>
<td></td>
</tr>
<tr>
<td>1 Credit</td>
<td>Physical Education I</td>
</tr>
<tr>
<td>( \frac{1}{2} ) Credit</td>
<td>Physical Education II</td>
</tr>
<tr>
<td>HEALTH = ( \frac{1}{2} ) CREDIT</td>
<td>Health</td>
</tr>
<tr>
<td>( \frac{1}{2} ) Credit</td>
<td></td>
</tr>
<tr>
<td>WORLD LANGUAGE = 2 CREDITS</td>
<td>(2 credits of the same language taken in high school)</td>
</tr>
<tr>
<td>1 Credit</td>
<td>World Language - credit one</td>
</tr>
<tr>
<td>1 Credit</td>
<td>World Language - credit two</td>
</tr>
<tr>
<td>FINE ARTS = 1 CREDIT</td>
<td></td>
</tr>
<tr>
<td>1 Credit</td>
<td>Art, Band, Choir, Fine Arts Survey or Theatre IB</td>
</tr>
<tr>
<td>ELECTIVES = 3 CREDITS</td>
<td>(See course descriptions in the HS Program of Studies)</td>
</tr>
<tr>
<td>1 Credit</td>
<td></td>
</tr>
<tr>
<td>1 Credit</td>
<td></td>
</tr>
<tr>
<td>1 Credit</td>
<td></td>
</tr>
<tr>
<td>TOTAL = 24 CREDITS</td>
<td></td>
</tr>
</tbody>
</table>

*Students must pass the HS LEAP test for these courses in order to graduate.

**Regardless of how many high school credits are earned in middle school, all ULS students are required to take English, math, science, and social studies all 4 years of high school.
Course Descriptions

ENGLISH

ENGLISH I

Pre-Requisite:

Description: English I is an introduction to world literature and composition. Literature study focuses on several topics, themes, and issues traced through novels, short stories, poetry, drama and non-fiction; study also requires students to analyze and respond to literature. Composition study requires that students write both analytically and creatively for a variety of purposes and audiences. Vocabulary study is focused on SAT word study.

Credit: English I: 1 Carnegie Credit

ENGLISH II

Pre-requisite: English I

English II is primarily an American Literature course that focuses on the development of reading, writing, listening and speaking skills to facilitate essay writing, comprehension, analysis, and interpretation of a variety of texts.

Credit: English II: 1 Carnegie Credit

ENGLISH III

Pre-requisite: English II

English III is a college preparatory class offered to juniors. This course aims to foster lifelong literacy habits, critical consumption of information, and sophisticated writing skills. This is a year-long course in which students are immersed in classic and contemporary literature. Writing assignments are both personal and analytical in nature. The course addresses national and state standards and is intended to prepare students for college-level literature and composition classes.

Credit: English III: 1 Carnegie Credit

ENGLISH III HONORS

Pre-requisite: English II

DE: English 1001

English III Honors is a course that develops critical reading, thinking, and expressive skills through intensive study of Western literature. Students will read and analyze a variety of genres and write for a variety of audiences and purposes. Students will use technology for research and presentations.

Credit: English III Honors: 1 Carnegie Credit

Credit: English III Honors w/ Engl 1001 (spring DE only): 1.5 Carnegie Credits

ENGLISH III: IB LITERATURE (HL)

Pre-requisite: English II & Suggested Teacher Approval

DE: English 2201
English III IB is the first course of the two-year IB English study at the higher level. The course fosters an appreciation for the literature and culture of the student’s own society and other world societies. Through the study of world literature, which is a central and integral part of the course, students will gain a broad, international perspective on literature and human thought. The course seeks to facilitate the clear expression of ideas, to aid precise presentation of argument, and to assist in the understanding of both oral and written discourse.

Credit: English III IB: 1 Carnegie Credit

Credit: English III IB w/ Engl 2201 (spring DE only): 1.5 Carnegie Credits

**ENGLISH IV**

Pre-requisite: English III

English IV is a college preparatory class offered to seniors. This course aims to foster lifelong literacy habits, critical consumption of information, and sophisticated writing skills. This is a year-long course in which students are immersed in classic and contemporary literature. Writing assignments are both personal and analytical in nature, including a research project. The course addresses national and state standards and is intended to prepare students for college-level literature and composition classes.

Credit: English IV: 1 Carnegie Credit

**ENGLISH IV HONORS**

Pre-requisite: English III

DE: English 2000

English IV Honors is a literature and composition course. Students will read a variety of genres and selections from world cultures to contemporary drama, fiction, poetry and informational texts. Composition focuses on analytical writing, rhetoric, and revision, including a research component. Students will have the option of dual enrollment for college credit in English 1001 if they meet the requirements for dual enrollment.

Credit: English IV Honors: 1 Carnegie Credit

Credit: English IV Honors w/ DE Engl 2000 (fall DE only): 1.5 Carnegie Credits

**ENGLISH IV: IB LITERATURE (HL)**

Pre-requisite: English III: IB Literature

DE: English 2123 and 2202

English IV IB is the second course of the two-year study that prepares students for the required International Baccalaureate English Exam. Content is a continuation of the IB curriculum. The course focuses on the student’s ability to critically analyze and to express ideas clearly, concretely, and concisely. Students must complete required IB assessments. Students will have the option of dual enrollment for college credit in English 1001 and English 1002 if they meet the DE requirements.

Credit: English IV: IB Lit: 1 Carnegie Credit

Credit: English IV: IB Lit w/ DE Engl 2123 (fall DE only): 1.5 Carnegie Credits

English IV: IB Lit w/ DE Engl 2202 (spring DE only): 1.5 Carnegie Credits

English IV: IB Lit w/ DE Engl 2123 & 2202 (fall & spring DE): 2.0 Carnegie Credit
**CREATIVE WRITING**

Pre-requisite:

Creative Writing is a course where students will read literature and produce writing in several different genres. Students will read and discuss fiction, non-fiction, and poetry in order to familiarize with the different techniques of different authors. Students will experiment with different genres and spend time in small groups. Students are required to submit four formal pieces of writing for a major grade and a portfolio. The course will focus heavily on writing content with emphasis on correct grammar, punctuation, and vocabulary.

Credit: Creative Writing: 1 Carnegie Credit

**PUBLICATIONS I (YEARBOOK)**

Pre-requisite: Suggested Teacher Approval

Publications I is a course in which students create page layouts and copy for the yearbook, and learn basic photography skills. Students will be introduced to basic desktop publishing as well as news writing styles and formats. Students must be able to work independently and cooperatively within strict time frames. Students must also be willing to attend school-related events and activities outside of class time to complete assigned grade level, club, event, academic and/or athletic yearbook pages.

Students will also participate in writing and editing for the student e-newsletter, Cub Chronicles, published three times per year.

Class size is limited. Students will be selected based upon teacher recommendations.

Credit: Publications I (Yearbook): 1 Carnegie Credit

**PUBLICATIONS II (YEARBOOK)**

Pre-requisite: Publications I

Publications II is a course in which students will learn to create yearbook pages using Adobe InDesign and templates. Students will be expected to submit photographs that are suitable for yearbook publication. Students will demonstrate the ability to serve as section editors; this includes journalistic skills and leadership qualities.

Students must be able to work independently and cooperatively within strict time frames. Students must also be willing to attend school-related events and activities outside of class time to complete assigned grade level, club, event, academic and/or athletic yearbook pages.

Students will also participate in writing and editing for the student e-newsletter, Cub Chronicles, published three times per year.

Class size is limited. Students will be selected based upon previous year’s performance.

Credit: Publications II (Yearbook): 1 Carnegie Credit
MATHEMATICS

ALGEBRA I
Pre-requisite: Pre-algebra

Algebra I is a core course which focuses on developing a rich understanding of fundamental algebraic ideas. Topics include solving one-variable equations and inequalities, simplifying radicals, function notation, writing equations of linear functions, graphing linear functions and inequalities, solving systems of equations, properties of exponents, exponential functions, operations with polynomials, factoring polynomials, graphing quadratic functions, and solving quadratic equations. Students must apply problem-solving skills.

Credit: Algebra I: 1 Carnegie Credit

GEOMETRY
Pre-requisite: Algebra I

Geometry is the study of visual patterns and the use of these patterns to describe the physical universe. Students utilize inductive reasoning to make conjectures about the relationships in geometric figures and use deductive reasoning to confirm these conjectures. After discovering or deriving relationships, students use their ideas to solve algebraic problems involving geometry. Euclidean geometry, transformational geometry, and coordinate geometry will be covered.

Credit: Geometry: 1 Carnegie Credit

ALGEBRA II
Pre-requisite: Algebra I & Geometry

Algebra II provides students an opportunity to further their understanding of algebraic concepts and skills introduced in Algebra I and Geometry. It also provides students with opportunities to extend the use of functions as models for dealing with real life situations. Students explore algebraic functions of different degrees through data collection, analysis, and interpretation. Students also learn the skills needed to solve and manipulate functions of varying degrees.

Credit: Algebra II: 1 Carnegie Credit

ADVANCED MATH: FUNCTIONS
Pre-requisite: Algebra II & Suggested Teacher Approval

Advanced Math Functions in the first semester of the course is ACT math preparation and review of Algebra II topics. The second semester focuses on college algebra material in preparation for college algebra. Topics will include the further study of functions, including polynomials, exponential and logarithmic functions, the nature of graphs, matrices, and trigonometry and its applications. Some topics from probability and statistics will also be introduced.

Credit: Advanced Math: Functions: 1 Carnegie Credit

ADVANCED MATH: FUNCTIONS
Pre-requisite: Algebra II & Suggested Teacher Approval

DE: Math 1021
Advanced Math Functions is for those students who have scored a 19, 20, or 21 on the ACT math subtest. The first semester of the course is ACT math preparation and review of Algebra II topics. The second semester is dual enrollment college algebra for 3 college credit hours. Topics will include the further study of functions, including polynomials, exponential and logarithmic functions, the nature of graphs, matrices, and trigonometry and its applications. Some topics from probability and statistics will also be introduced. ACT score must be prior to the start of school.

Credit: Advanced Math: Functions & Stats: 1 Carnegie Credit

Credit: Advanced Math: Functions & Stats w/ Math 1021: 1.5 Carnegie Credits

**ADVANCED MATH: PRE-CALCULUS HONORS**

Pre-requisite: Algebra II & Suggested Teacher Approval

DE: Math 1021 and 1022

Advanced Math Pre-Calculus Honors is for those students who have scored 22 or higher on the ACT math subtest. Students can receive high school credit as well as college credit. In the first semester, topics covered are quadratic equations, systems of linear equations, inequalities, functions, graphs, exponential and logarithmic functions, complex numbers, and theory of equations. Second semester topics include trigonometric functions and identities, inverse trigonometric functions, graphs, solving triangles and equations, complex numbers, and polar coordinates. ACT score must be prior to the start of school.

Credit: Advanced Math: Pre-Calc H: 1 Carnegie Credit

Credit: Advanced Math: Pre-Calc H w/ Math 1021 (fall only DE): 1.5 Carnegie Credits

Credit: Advanced Math: Pre-Calc H w/ Math 1022 (spring only DE): 1.5 Carnegie Credits

Credit: Advanced Math: Pre-Calc H w/ Math 1021 & 1022 (fall & spring DE): 2 Carnegie Credits

**IB MATH STANDARD LEVEL I (PRE-CAL)**

Pre-requisite: Algebra II

IB Math I SL is the first year of a two-year survey of mathematics. In year 1 students will study the binomial theorem, functions and transformations, quadratic functions, simple rational functions, triangle trigonometry, trigonometric functions and equations, exponential and logarithmic functions, and whichever topics of year 2 time allows. Exploration and discovery are encouraged. Students engage with both abstract mathematics and its applications.

Credit: IB Math Standard Level I (Pre-Cal): 1 Carnegie Credit

**IB MATH HIGHER LEVEL I (PRE-CAL)**

Pre-requisite: Algebra II & Suggested Teacher Approval

IB Math I HL is the first year of a two-year survey of mathematics. This course treats all topics with considerable mathematical rigor. Year 1 includes all SL topics described above (all taken to greater depth) in addition to permutations and combinations, proof by induction, complex numbers in both Cartesian and polar form, systems of linear equations and polynomial functions, and whichever topics of year 2 time allows. Exploration and discovery and ultimately proof are encouraged. Students engage with both abstract mathematics and its applications.

Credit: IB Math Higher Level I (Pre-Cal): 1 Carnegie Credit

**IB MATH STANDARD LEVEL II (CALCULUS)**
Pre-requisite: IB Math SL I/IB Math HL1

IB Math II SL is the second of a two-year survey of mathematics. In Year 2 students will study probability, statistics, introductory calculus, and vectors. Students must also complete a mathematical investigation on a topic of their choosing and write a paper explaining their investigation and its results. Students are strongly encouraged to take the internationally administered IB Mathematics SL exam at the end of the course.

Credit: IB Math Standard Level II (Calculus): 1 Carnegie Credit

**IB MATH HIGHER LEVEL II (CALCULUS)**

Pre-requisite: IB Math HL

IB Math II HL is the second of a two-year survey of mathematics. In Year 2 students will study probability, statistics, introductory calculus, and vectors but in considerably greater depth than the SL course. Students must also complete a mathematical investigation on a topic of their choosing and write a paper explaining their investigation and its results. To complete the HL curriculum students must take a third year of mathematics, AP Calculus BC. The BC course will complete the calculus topics required for HL.

Credit: IB Math Higher Level II (Calculus): 1 Carnegie Credit

**BUSINESS CALCULUS**

Pre-requisite: Algebra I, Geometry, Algebra II, and one additional TOPS approved math course

DE: Math 1431

Business Calculus guides students through the basic tenets of Calculus for Business. Topics will include: functions and graphs; differentiation of polynomial, logarithmic, exponential, and rational functions; higher order derivatives with applications, maximum and minimum, break-even analysis, and market equilibrium. Other topics to be covered are: integration, anti-derivative, and the definite integral with applications to marginal analysis, and other problems in business and economics. In order to qualify for dual enrollment Math 1431 through LSU, students need to have either credit for Math 1021 or an ACT math subtest score of at least 25. ACT score must be prior to start of second semester.

Credit: Business Calculus: 1 Carnegie Credit

Credit: Business Calculus w/ Math 1431 (spring only DE): 1.5 Carnegie Credits

**AP CALCULUS AB**

Pre-requisite: IB Math SL II, IB Math HL II, or Adv. Math Pre-Calculus; Suggested Teacher Approval

AP Calculus AB will prepare students for the College Board Advanced Placement Examination by that name. Success on the AP exam usually earns students one semester of university calculus credit. Students enrolled in this class will have the option to take the nationally administered Advanced Placement examination.

Credit: AP Calculus AB: 1 Carnegie Credit

**AP CALCULUS BC**

Pre-requisite: IB Math SL II, IB Math HL II, or Calculus AB; Suggested Teacher Approval

AP Calculus BC will prepare students for the College Board Advanced Placement Examination by that name. Success on the AP exam usually earns students two semesters of university calculus credit. Students enrolled in this class will have the option to take the nationally administered Advanced Placement examination.
SCIENCE

PHYSICAL SCIENCE

Pre-requisite:

Physical Science has three components: science, mathematics, and technology. Students will receive intensive math and science integration in a laboratory setting. Skills targeted are lab inquiry skills, including experimental design, graphical analysis of data, use of the periodic table and other science and mathematical tables, manipulation of algebraic expressions, and activities involving simple ratios.

Credit: Physical Science: 1 Carnegie Credit

BIOLOGY I

Pre-requisite:

Biology I is a course which provides a fundamental overview of living things. Labs are an integral part of the class. It is taught thematically with an emphasis on evolution, genetics, homeostasis, and the unity and diversity of living things.

Credit: Biology I: 1 Carnegie Credit

CHEMISTRY I

Pre-requisite: Completion of Biology I; Enrolled in Algebra II or higher level math

Chemistry I is a course in which students will learn facts, formulas, and principles that compose the language of chemistry. A variety of chemical topics including scientific measurement and problem-solving, physical and chemical changes, atomic theory and structure, formula writing, chemical reactions and equations, stoichiometry, states of matter, chemical bonding, solutions, equilibrium, acids and bases, oxidation-reduction reactions, and electrochemistry. Laboratory and safety skills will be taught and accessed.

Credit: Chemistry I: 1 Carnegie Credit

BIOLOGY II IB (HL)

Pre-requisite: Completion of Biology I & Chemistry or Completion of Biology I and concurrent enrollment in Chemistry

Biology II IB is the first of a two-year study of biology at the higher level for IB students. It is open to IB certificate students. This is a college-level course covering the following topics: cell structure and membranes; chemistry of life (i.e. macromolecules, DNA, proteins, cellular respiration, and photosynthesis); and genetics. All students will complete 60 hours of laboratory studies and 10 hours of Group 4 project over the 2 years. There is no IB exam at the end of the first year.

Credit: Biology II IB (HL): 1 Carnegie Credit

BIOLOGY III IB (HL)

Pre-requisite: Biology II IB

Biology III IB is the second of a two-year study of biology at the higher level for IB students. The course is open to certificate students who have completed Biology II IB (HL). This is a college-level course covering the following topics: ecology and evolution; taxonomic classification and diversity; plants; and human physiology. All students will complete 60 hours of
laboratory studies and 10 hours of Group 4 Project over the 2 years. Students are required to take the IB HL Biology exam at the end of the second year. The IB Exam will cover material from both Biology II and III. \textit{(Please note this class will not be used towards your 4 required high school science courses for graduation.)}

Credit: Biology III IB (HL): 1 Carnegie Credit

\section*{CHEMISTRY AP}

Pre-requisite: B or better in Chemistry I; Suggested Teacher Approval; 25 or higher on PLAN/ACT Math

Chemistry AP is comparable to a first-year college course and is an in-depth study of the principles and concepts in chemistry. Students are required to demonstrate an understanding of these principles through application in a laboratory situation. Content includes structure bonding, stoichiometry, thermodynamics, kinetics, and quantitative analysis. This course is designed toward advanced placement for the college-bound student. Optional for students to take the AP Chemistry Exam at the end of the course.

Credit: Chemistry AP: 1.0 Carnegie Credits

\section*{ENVIRONMENTAL SCIENCE}

Pre-requisite: Seniors Only

Environmental Science is designed to provide students with the essential principals of environmental science and with a comprehensive and fundamental understanding of sound science, stewardship, and sustainability, which are necessary for understanding and exploring the interactions and relations between humans and Earth. It will also offer an up-to-date look at today’s global, national, and regional environmental issues facing our societies. The course will provide an important foundation for students’ general education by coupling scientific issues with community and humanitarian needs.

Credit: Environmental Science: 1.0 Carnegie Credit

\section*{ENVIRONMENTAL SYSTEMS IB}

Pre-requisite: Chemistry

Environmental Systems IB is an advanced level integrated science course that includes a chemistry component, including social and political aspects of human populations in advanced and developing countries, soil science, the geology and politics of water supply, and toxicological effects of air, soil, and water pollution. Environmental Systems requires reading and writing critical analyses of current environmental issues. IB Diploma students are required to take the standard level examination.

Credit: Environmental Systems IB: 1.0 Carnegie Credit

\section*{PHYSICS}

Pre-requisite: Completion of Chemistry and Algebra II or higher

Physics is a course recommended for all students who are interested in how the physical world works. The course will develop problem solving and critical thinking skills related to objects in the real world. The course includes projects, laboratory investigations, a heavy math component, and physics concepts. Topics will include velocity, acceleration, forces, momentum, work, energy, waves, electricity, and magnetism. Students need a scientific calculator.

Credit: Physics: 1 Carnegie Credit

\section*{PHYSICS I IB (HL OR SL)}

Pre-requisite: B or better in Geometry
Physics I IB is the first year of a two-part Physics IB course. Topics in the first year include measurement and uncertainties, mechanics (kinematics, Newton’s laws, energy, work, momentum, circular motion), thermal physics, waves, and electricity and magnetism. A minimum of 40 hours of lab work will be split between both IB physics courses. Spreadsheet software will be heavily utilized to record/analyze data.

Credit: Physics I IB (HL or SL): 1 Carnegie Credit

**Physics II IB (HL or SL)**

Pre-requisite: Physics I IB

Physics II IB is the second year of the Physics IB course. Topics include atomic, nuclear, and particle physics; energy production, advanced wave phenomena, fields (gravity, electric, magnetic), electromagnetic induction, quantum and nuclear physics. One optional topic will be chosen out of: Relativity, Engineering Physics, Imaging, or Astrophysics. A minimum of 40 hours of lab work will be split between both IB physics courses. Spreadsheet software will be heavily utilized to record/analyze data.

Credit: Physics II IB (HL or SL): 1 Carnegie Credit

**Forensic Science**

Pre-requisite: Completion of Chemistry and Algebra II or higher

Forensic Science is an elective course that may be taken senior year in addition but does not count towards your required science course. Forensic Science is designed for the student who has a strong interest in biology. Students explore advanced topics selected from cellular biology, biochemistry, biotechnology, genetics, microbiology, evolution, behavior, ecology, plant and animal anatomy, and physiology. Research and advanced laboratory techniques are emphasized. (LDoE)

Credit: Forensic Science: 1 Carnegie Credit

**Social Studies**

**World Geography**

World Geography is a course that explores basic geographic concepts, national and increasingly global cultures, physical geography, events of the past and present that have shaped the various regions and nations to be studied, and a comprehensive study of regions and nations of the world. Students will study these concepts in the context of the various regions of the world: the United States and Canada, Latin America, Europe, Russia and the Republics, Africa, Southwest Asia, South Asia, East Asia, Southeast Asia, Oceania, and Antarctica.

Credit: World Geography: 1 Carnegie Credit

**AP Human Geography**

Suggested Pre-requisite: A both semesters in 8th grade SS, Advanced/Mastery in SS & ELA on 7th grade LEAP test

AP Human Geography is a university level course that focuses on the cultural, political, economic, and urban geography of the world. The course is arranged around the above themes and problem solving within those themes rather than the traditional focus on regions of the world. The objectives of this course are to make students more geographically literate, more engaged in contemporary global issues, and more multicultural in their viewpoints. Thus, students will develop a critical understanding of the world in which they live and the problems that we as global citizens and citizens of individual nations and regions face. Students will also develop and exercise a critical approach to solving the problems they encounter and develop an appreciation for the complexity of those problems. The course content is structured around the College Board’s
AP Human Geography course description. There will be an emphasis in this course on developing study, reading, and writing skills necessary for college and AP exam success.

Credit: AP Human Geography: 1 Carnegie Credit

CIVICS

Civics is designed to explore the origins of government, political theory, and the American political system. In addition, many local, national, and global social issues are discussed and debated. This course will also review basic economic systems, as well as methods for analyzing financial institutions. The role of the citizen (politically, socially, and economically) is at the heart of this course.

Credit: Civics: 1 Carnegie Credit

AP US GOVERNMENT & POLITICS: UNITED STATES

Pre-requisite:

AP US Government & Politics: United States focuses on governmental and political aspects of the U.S. government. This course explores the political theory and government structure that direct the daily operation of our government and shape our public policies. The objectives of this course go beyond a basic analysis of how our government “works” to help students develop a critical understanding of the strengths and weaknesses of the American political system. As such, students will focus on developing an individual critical understanding of the daily workings of the U.S. government and begin to develop an understanding, and hopefully an appreciation, of the rights and responsibilities of citizens. The course content is structured around the College Board’s AP U.S. Government and Politics course description. There will be an emphasis in this course on developing study, reading, and writing skills necessary for college and AP exam success.

Credit: AP US Government & Politics: United States: 1 Carnegie Credit

UNITED STATES HISTORY

Pre-requisite:

United States History United States History includes basic geographic, economic, social, political, and historical developments following reconstruction and the westward movement. Special attention is given to the impact of industrialization and urbanization, the changing roles of social classes and minority groups, the experience of depression and reform attempts, America’s rise to global power, including relations with the Communist world, and America's role in the Modern Era. This course will help students develop critical thinking skills through the analysis of challenges faced by the U.S. in both foreign and domestic policies, while developing basic tools of historical interpretation, research, and analysis.

Credit: United States History: 1 Carnegie Credit

UNITED STATES HISTORY HONORS

Pre-requisite:

DE: History 2057

United States History Honors/ Dual Enrollment is a college-level survey course that introduces students to the rich political, cultural, social, and intellectual heritage of America. Various themes will appear throughout this course including politics, art, religion, technology, global interactions, economics, human interaction with the environment, geography, and social/cultural aspects of history. Note: If a student drops the DE course, they will remain in the DE class for the remainder of the year, and complete all DE assignments and exams, but will no longer receive DE credit.
HISTORY OF THE AMERICAS I IB (HL)

Pre-requisite:

DE: History 2057

History of the Americas I IB is the first part of a two-year higher level IB history course that explores the history of the Western Hemisphere. The countries of the Americas form a region of great diversity but close historical links. The course covers major developments in the region from around 1860 to 2000: the challenges of nation-building, the emergence of the Americas in global affairs, the Great Depression, the Second World War and the Cold War and their impact on the region. Political, economic, social issues, and, when relevant, cultural aspects are considered. Special attention is given to U.S. history from 1865 to the present and to U.S. interaction with Cuba and Mexico. Any student taking this course must remain in this course for the entire year.

Credit: History of the Americas I IB (HL): 1 Carnegie Credit

Credit: History of the Americas I IB w/ Hist 2057 (spring DE only): 1.5 Carnegie Credits

HISTORY OF THE AMERICANS II IB (HL)

Pre-requisite: History of the Americas I IB

History of the Americas II IB is the second year of the IB higher level sequence. The focus is on 20th century western civilization topics, especially those related to the rise and rule of party states; the causes and effects of war; and the Cold War, including its expansion from Europe into Asia and Latin America. The effects of European social, political, and economic developments since 1848 on international relations and diplomacy will be reviewed. Twentieth century issues across the globe will be related to the crises in Europe, Latin America, and Asia. Students will complete an individual historical investigation. Second semester focus will be on superpower tensions, from 1946 to the collapse of the Soviet Union and the restructuring of Chinese Communism. Students must take the IB history examination at the end of the course.

Credit: History of the Americas II IB (HL): 1 Carnegie Credit

WORLD HISTORY

Pre-requisite:

World History will cover the period from the Renaissance through the late 20th century. The course emphasizes cause and effect, cultural change, and connections to our condition in the 21st century. The influence of Western Civilization on modern institutions, governments, attitudes, and perspectives will be a major focus. The contribution of other areas of the world such as Asia, Africa, and Latin America to our present civilization will also be investigated.

Credit: World History: 1 Carnegie Credit

WORLD HISTORY HONORS

Pre-requisite:

DE: History 1005 and 1007

World History Dual Enrollment covers world history. Topics examine various trends and events in human history from around the globe. It is a goal of this course to examine how Asian, African, American, European, and Middle Eastern cultures are
connected and influence one another, rather than merely a progression of changes over time. This is a challenging, college
level course in which students will receive 6 college credit hours through LSU upon successful completion.

Credit: World History Honors: 1 Carnegie Credit
Credit: World History Honors w/ Hist 1005 (fall DE only): 1.5 Carnegie Credits
Credit: World History Honors w/ Hist 1007 (spring DE only): 1.5 Carnegie Credits
Credit: World History Honors w/ Hist 1005 & 1007 (fall & spring DE): 2 Carnegie Credits

**BUSINESS MANAGEMENT IB**

Pre-requisite:

Business Management IB encourages a holistic view of the world of business while enabling the student to develop the
capacity to think critically about individual and organizational behavior. The curriculum promotes the importance of exploring
business issues from different cultural perspectives and awareness of social, cultural, and ethical factors in the actions of
organizations and individuals in those organizations. Students should be able to appreciate the nature and significance of
change in a local, regional, and global context while appreciating the social and ethical responsibilities that need to be
considered to make informed business decisions.

Credit: Business Management IB: 1 Carnegie Credit

**THEORY OF KNOWLEDGE I IB**

Pre-requisite: IB Diploma Candidate

Theory of Knowledge I IB is a course that investigates the nature of knowledge across the various fields or disciplines. The
course explores the essential question how do we know what we know. The course also is designed to help students develop
the critical thinking skills necessary to examine knowledge questions. ***Zero hour course that will be scheduled before
the regular school day. May also be taken during regular school day.

Credit: Theory of Knowledge I IB: 1 Carnegie Credit

**THEORY OF KNOWLEDGE II IB**

Pre-requisite: IB Diploma Candidate

Theory of Knowledge II IB is a required course for IB Diploma seniors. Students will receive guidance in the construction of
their extended essays and TOK essays. They will also receive college application assistance and help in completing the
internal assessments for their IB courses. ***Zero hour course that will be scheduled before the regular school day. May
also be taken during regular school day.

Credit: Theory of Knowledge II IB: 1 Carnegie Credit

**HEALTH & PHYSICAL EDUCATION**

**HEALTH EDUCATION**

Pre-requisite:
Health Education emphasizes values that define who students are and helps shape decisions they make. Topics may include stress management, relationships, nutrition, drug education, tobacco use, alcohol abuse, communicable and non-communicable diseases. CPR instruction is part of the program with an emphasis on responding to an emergency situation.

Credit: Health Education: ½ Carnegie Credit

**Physical Education I**

Pre-requisite:

Physical Education I emphasizes lifetime activities and individual sports. Wellness and behaviors to promote a healthy lifestyle are a major theme. Units may include weight training, badminton, racquetball, pickleball, speedminton, and tennis.

Credit: Physical Education I: 1 Carnegie Credit

**Physical Education II**

Pre-requisite: Physical Education I

Physical Education II continues to emphasize lifetime activities and individual sports. A progression of activities from Physical Education I is continued with students gaining an opportunity to become more aware of the benefits of physical activity.

Physical Education II: ½ Carnegie Credit

**Physical Education III/IV**

Pre-requisite: Physical Education I & II

Physical Education III/IV is an elective for students who have completed their basic health and physical education requirements. *This course is no longer one hour of dual enrollment because activity courses at LSU are currently only required for kinesiology majors.*

Credit: Physical Education III/IV: 1 Carnegie Credit

**World Languages**

*High school students must take at least two consecutive levels of the same language in high school during grades 9 through 12.*

**French I**

Pre-requisite:

French I is an introduction to the French language and culture. Emphasis will be placed on vocabulary, grammar, reading, and writing as well as the development of pronunciation, speaking, and listening skills.

Credit: French I: 1 Carnegie Credit

**French II**

French II will enhance and develop skills learned in French I. The class will include advanced grammar, advanced vocabulary, and additional verb tenses, as well as increased conversation and composition skills.

Credit: French II: 1 Carnegie Credit
FRENCH III
Pre-requisite: French II

French III is an advanced course in which communication and reading skills will be further developed. Special emphasis will be placed on both written and oral communication based on cultural readings and films.

Credit: French III: 1 Carnegie Credit

FRENCH IV IB
Pre-requisite: French III

French IV IB is an advanced level language class that stresses written and oral communication and is centered on the five themes: identities, experiences, human ingenuity, social organization, sharing the planet. Students may enroll as IB certificate students at the standard with the approval of the teacher.

Credit: French IV IB: 1 Carnegie Credit

FRENCH V IB
Pre-requisite: French IV IB

French V IB is an advanced level course that expands the five themes of IB: identities, experiences, human ingenuity, social organization, sharing the planet through literature and cultural readings. The ability to understand and to communicate with native and non-native speakers in real life situations is the main objective of the class. This course will prepare students for the International Baccalaureate standard level.

French V IB: 1 Carnegie Credit

SPANISH I
Pre-requisite:

Spanish I is an introduction to the Spanish language and culture. Emphasis will be placed on vocabulary, grammar, reading, and writing as well as the development of pronunciation, speaking, and listening skills.

Credit: Spanish I: 1 Carnegie Credit

SPANISH II
Pre-requisite: Spanish I

Spanish II will enhance and develop skills learned in Spanish I. The class will include advanced grammar, advanced vocabulary, and additional verb tenses, as well as increased conversation and composition skills.

Credit: Spanish II: 1 Carnegie Credit

SPANISH III
Pre-requisite: Spanish II

Spanish III is an advanced course in which communication and reading skills will be further developed. Special emphasis will be placed on both written and oral communication based on literature and cultural readings and films.

Credit: Spanish III: 1 Carnegie Credit
SPANISH IV

Pre-requisite: Spanish III

DE: Spanish 1101 and 1102

The primary goal of the first semester of this course (Spanish 1101) is to offer students an introduction to basic communicative skills in Spanish while developing an awareness and appreciation of Hispanic/Latino cultures. The primary goal of the second semester (Spanish 1102) is to continue to offer students an introduction to basic communicative skills in Spanish while developing an awareness and appreciation of Hispanic/Latino cultures. These courses are based on the five general areas: communication in Spanish, gaining knowledge and understanding of cultures of the Hispanic worlds, connecting with other disciplines and acquiring new information, developing awareness of similarities and differences (comparisons) among language and culture systems around the world, and using Spanish to participate in communities at home and around the world.

Credit: Spanish IV: 1 Carnegie Credit

Credit: Spanish IV w/ Span 1101 (fall DE only): 1.5 Carnegie Credits

Credit: Spanish IV w/ Span 1101 & 1102 (fall & spring DE): 2 Carnegie Credits

SPANISH IV IB

Pre-requisite: Spanish III

Spanish IV IB is an advanced level language class that stresses written and oral communication and is centered on the five themes of IB: identities, experiences, human ingenuity, social organization, sharing the planet. Students may enroll as IB certificate students at the standard or higher level with approval of the teacher.

Credit: Spanish IV IB: 1 Carnegie Credit

SPANISH V IB

Pre-requisite: Spanish IV IB

Spanish V IB is an advanced level course that expands the five themes of IB: identities, experiences, human ingenuity, social organization, sharing the planet through literature and cultural readings. The ability to understand and to communicate with native and non-native speakers in real life situations is the main objective of the class. This course will prepare students for the International Baccalaureate standard level or higher-level examination.

Credit: Spanish V IB: 1 Carnegie Credit

COMPUTER TECHNOLOGY/LITERACY

Pre-requisite:

Are your technology skills ready for college? Computer Technology/Literacy is a project-based course that will provide the student with necessary Microsoft Office tools for success in preparing Word documents and Excel spreadsheets in high school, college and life. Students will select and integrate appropriate productivity tools including, but not limited to, word processor, spreadsheet, PowerPoint/Prezi, desktop publishing, presentation graphics, draw and paint programs.

Credit: Computer Technology/Literacy: ½ Carnegie Credit
**Digital Media (Formerly Multimedia Production)**

Pre-requisite:

Digital Media is a course designed to educate students on the ever-changing digital world, as well as to provide hands-on experience with media production software and equipment. The curriculum covers a wide range of areas, so it appeals to a diverse group of students. Topics covered in Digital Media include basic graphic design, basic animation, audio production, and video production.

Credit: Digital Media: 1 Carnegie Credit

**Photography and Photoshop (Formerly Digital Graphics and Animation)**

Pre-requisite: Multimedia Production

This is a basic course in photography designed to offer experiences with a point-and-shoot camera and DSLR cameras in class. Various camera settings will be learned to offer greater creative and technical control. This course builds the foundation for visual literacy regarding both form and content of photographic images. Digital processing, editing, retouching, enhancing, and advanced composition techniques using Adobe Photoshop will be taught. This class requires a time commitment outside of school to be successful.

Credit: Photography & Photoshop: 1 Carnegie Credit

**AP Computer Science Principles**

Pre-requisite:

AP Computer Science Principles introduces students to the idea of computer science, inviting students to develop the computational thinking needed for success across multiple disciplines. This course requires no background or knowledge of computer science to be successful. The course is unique in its focus on pushing students to be creative and encouraging students to apply creative processes when developing computational artifacts. The course highlights the relevance of computer science by emphasizing the major impact advances in computing have on people and society. Students will develop effective communication and collaboration skills by working individually and collaborating to solve problems.

Credit: AP Computer Science Principles: 1 Carnegie Credit

**AP Computer Science A**

Pre-requisite: Geometry and either AP Computer Science Principles OR Special Permission of Instructor

AP Computer Science A introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. In this course the student will learn to design and implement computer programs that solve problems relevant to today’s society, including art, media, and engineering. The student will also learn to apply programming tools and solve complex problems through hands-on experiences and examples. All programming will be done in the Java programming language.

Credit: AP Computer Science A: 1 Carnegie Credit

**Fine Arts**

**Art I**
Pre-requisite: Freshmen & Sophomores Only

Art I is an introduction to the visual arts. It is open to 9th and 10th grade students who are interested in exploring the world of art. Students will learn about the elements of art and principles of design while experiencing a variety of media. Students will begin to develop a personal portfolio and sketch books.

Credit: Art I: 1 Carnegie Credit

**ART II**

Pre-requisite: Art I or by portfolio

Art II is an intermediate level visual arts exploration. Art elements and principles will continue to be emphasized. This course is open to all high school students. A variety of media will be available for students to experience. Students will continue to develop a personal portfolio and sketch book.

Credit: Art II: 1 Carnegie Credit

**ART III**

Pre-requisite: A portfolio of at least 3 pieces to be approved by instructor

Art III is a more advanced course for those students desiring further art knowledge and experience in the visual arts. With each multi-week project, students will build upon their skillful use of materials and knowledge of the Elements and Principles of Design as pertains to drawing and painting. Students will use a range of media and tools, including those of traditional drawing/painting as well as collage and printmaking. They will be encouraged to explore various styles and concepts, in the interest of self-discovery. Furthermore, students will have guided freedom regarding choice of media and subject matter as they begin to consider their strengths and future intentions.

Credit: Art III: 1 Carnegie Credit

**ART IV**

Pre-requisite: Approved by instructor

Art IV is an advanced level visual arts course. With each multi-week project, students will build upon their skillful use of materials and knowledge of the Elements and Principles of Design as pertains to drawing and painting. Students will use a range of media and tools, including those of traditional drawing/painting as well as collage and printmaking. They will be encouraged to explore various styles and concepts, in the interest of self-discovery. Furthermore, students will have guided freedom regarding choice of media and subject matter as they begin to consider their strengths and future intentions. Portfolio development, independent research, and service learning are the major components of the course.

Credit: Art IV: 1 Carnegie Credit

**ART/DESIGN III IB**

Pre-requisite: Art I & II or IB Diploma Candidate and approval of instructor

Art III IB is the first of a two-year study at the standard or higher level for students in the IB Diploma Program. Students not in the Diploma Program may enroll in the class as IB certificate students. The art teacher and IB coordinator must recommend higher level students. This class is a more advanced course for those students desiring further knowledge and experience in the visual arts. Art research, art criticism, and art production are required.

Credit: Art/Design III IB: 1 Carnegie Credit
ART/DESIGN IV IB

Pre-requisite: Art III IB and approval of instructor

Art IV IB is the second of a two-year study designed for highly motivated students who are interested in art history and aesthetics as well as art criticism and production. It requires college level art research plus a culminating art exhibition in the spring, which is evaluated by an external juror.

Credit: Art/Design IV IB: 1 Carnegie Credit

CERAMICS III

Pre-requisite: Approved by instructor

Ceramics III is a course designed to teach students several methods of hand building pottery, as well as throwing on the potter’s wheel. Students will also learn about various sculptural techniques and have the opportunity to create sculptures in clay. In addition, different clay bodies such as stoneware, raku and low fire earthenware will be utilized. Students will study types of glazes and methods of glazing, so they are able to choose glazes that will enhance the final outcome of their piece. Class presentations, topics and critiques are designed to give the students a better understanding of aesthetics, history and will increase students’ life skills and problem-solving abilities.

Credit: Ceramics III: 1 Carnegie Credit

CERAMICS IV

Pre-requisite: Ceramics III

Ceramics IV is a course designed for advance students who have had experience with pottery, as well as throwing on the potter’s wheel. Students will also explore various sculptural techniques and have the opportunity to create sculptures in clay. In addition, different clay bodies such as stoneware, raku and low fire earthenware will be utilized. Students will study types of glazes and methods of glazing, so they are able to choose glazes that will enhance the final outcome of their piece. Class presentations, topics and critiques are designed to give the students a better understanding of aesthetics, history and will increase students’ life skills and problem-solving abilities.

Credit: Ceramics IV: 1 Carnegie Credit

THEATRE ARTS I IB

Pre-requisite: Suggested Theatre Teacher Approval; Juniors Only

Theatre Arts I IB is the first of a two-year course that is a practical exploration of three areas of concentration: theatre in the making, theatre in performance, and theatre in the world. Each of these three areas is viewed through the lenses of a critical audience member, a production team member, and a performer. In addition to several critical papers and an independent study project, all students will be expected to participate in a class-designed performance. Because this is a performance-based course, some meeting outside of regular class time will be required. Students enrolled in Theatre I will have the option of taking Theatre II in the senior year.

Credit: Theatre Arts I IB: 1 Carnegie Credit

THEATRE ARTS II IB

Pre-requisite: Theatre Arts I IB
Theatre Arts II IB is the second year of a two-year course in which students continue to develop an understanding and appreciation of world theatre traditions and techniques. During this year, the focus shifts to an independent study style which allows students to research specific interests as well as develop their own productions. In addition, second year students will hone their skills as critical participants in the theatre process. Because this is a performance-based course, some assignments and performances will take place outside of the regular school day.

Credit: Theatre Arts II IB: 1 Carnegie Credit

Band and Choir classes are open to any student and can be started at any grade level with the approval of the Band or Choir Director. Up to four credits can be earned in Band or Choir. Students are required to attend all scheduled after school events. This includes concerts, festivals, sectional rehearsals, marching commitments, and similar events.

**ADVANCED BAND**

Pre-requisite: Permission of instructor if no prior band experience

Advanced Band has two components – marching band and concert band. Band is primarily performance based and includes elements of music theory, history, appreciation, and sight reading as it relates to band. After school and weekend commitments are required as listed in the syllabus. Previous experience on a band instrument is recommended but not required with permission of instructor. Marching uniforms are provided, and students must purchase the proper marching/concert shoes. Band camp is required and usually is scheduled at the end of July, two weeks before school starts. Concert and marching performances are required. Band camp does not conflict with football.

Credit: Advanced Band: 1 Carnegie Credit

**JAZZ ENSEMBLE**

Pre-requisite: Enrollment in Advanced Band or Advanced Choir

Jazz Band is open to 11th and 12th grade students who are interested in exploring jazz techniques as they relate to individual instruments, history, and listening skills. Students are expected to learn how to improvise. Concert attendance is required. Students must also be enrolled in Advanced Band or Advanced Choir. Pep Band is required for Jazz Band members.

Credit: Jazz Ensemble: 1 Carnegie Credit

**MUSIC IB I (SL)**

Pre-requisite: IB Music Teacher Approval

Music IB is a history/theory class based on the study of Western European Classical tradition and the study of World Music. Students will develop perceptual skills through a wide range of musical experiences. They will learn to recognize and analyze all types of music from all over the world. This course is taken concurrently with Advanced Band or Advanced Choir to satisfy the IB Group Performance requirements. This is a Standard Level course taught over 2 years. The class is available for Dual Enrollment credit 2nd semester senior year.

Credit: Music IB I (SL): 1 Carnegie Credit

**MUSIC IB II (SL)**

Pre-requisite: IB Music Teacher Approval

DE: Music 1751
Music IB is a history/theory class based on the study of Western European Classical tradition and the study of World Music. Students will develop perceptual skills through a wide range of musical experiences. They will learn to recognize and analyze all types of music from all over the world. This course is taken concurrently with Advanced Band or Advanced Choir to satisfy the IB Group Performance requirements. This is a Standard Level course taught over 2 years. The class is available for Dual Enrollment credit 2nd semester senior year.

Credit: Music II IB: 1 Carnegie Credit

Credit: Music II IB w/ Mus 1751 (spring DE only): 1.5 Carnegie Credits

PERCUSSION ENSEMBLE

Pre-requisite: Permission of Instructor, Concurrent with Advanced Band

Percussion Ensemble is open to students with previous percussion experience in band or by permission of the Band Director with proof of private percussion lessons. Percussion ensemble students will be members of the marching band/Advanced Band and learn skills specific to drum line in the fall and small percussion ensemble work in the spring. Curriculum will include rudiments and work with mallets. All Advanced Band performances and band camp are required.

Credit: Percussion Ensemble: 1 Carnegie Credit

BEGINNING CHOIR

Pre-requisite:

Beginning Choir is a non-audition choir open to first time choir students. Quality of sound, proper vocal production, sight singing, and performances are the basic concentrations. Performance requirements are 3 concerts per year. Concert attire is required.

Credit: Beginning Choir: 1 Carnegie Credit

INTERMEDIATE CHOIR

Pre-requisite: Beginning Choir

Intermediate Choir is a non-audition choir for 10th, 11th, and 12th grade students who have taken Beginning Choir. Quality of sound, proper vocal production and technique, and sight singing must all be in place before entering this course. Performance requirements are 3 per year. Concert attire is required.

Credit: Intermediate Choir: 1 Carnegie Credit

ADVANCED CHOIR

Pre-requisite: Audition

Advanced Choir is the highest level of mixed voice choir. More advanced literature and more frequent performances are experienced in this choir. This course is for all high school grades upon audition. Students are to be able to perform with proper posture, vocal technique, and read music at a fairly high proficiency. Higher level music should be the expectation of all students in this class. Three to four performances are required during the school year. Concert attire is required.

Credit: Advanced Choir: 1 Carnegie Credit

FINE ARTS SURVEY

Pre-requisite: Freshmen & Sophomores Only
Fine Arts Survey is designed to increase students' understanding and enjoyment of the arts in our culture as well as provide exposure to the arts from other parts of the world. Visual and performing arts will be explored through historical review, investigation of the creative process, aesthetic perception, and significance and importance to contemporary society. The course will discuss music, dance, theater/film, visual arts.

Credit: Fine Arts Survey: 1 Carnegie Credit

OTHER COURSES

ACT PREP/COLLEGE & CAREER READINESS

Pre-requisite: Juniors & Seniors

ACT Prep (semester one) is an online, Princeton Review ACT Prep class. Students will apply Princeton Review strategies and tips to thousands of ACT questions and take online full-length practice tests during the class period. The goal for this online course is for students to improve their ACT score.

College & Career Readiness (semester two) will provide students the tools to transition to their chosen direction after high school. The skills taught are imperative to ensuring that each student has a clear understanding of how to succeed and thrive in work, at college, or both. A connection of classroom activities will help the student make wise career and college decisions. Students will engage in: career portfolio development, aptitude assessment, career research and identify career pathways, interviewing and job acquisition skills, resume/letter of application/references, case employment studies, college preparation, college research, financial aid options, essay writing, testing (ACT, SAT, etc.), and college application process.

Credit: ACT Prep/College & Career Readiness: 1 Carnegie Credit

INDEPENDENT STUDY

Pre-requisite: Seniors Only

Independent Study is open only to seniors. Students enrolled in Independent Study are taking this course to further their knowledge and skills in an area that is not taught by our high school. The coursework will be done online. This course may or may not be for credit depending on the subject taken.

Credit: Independent Study: Carnegie Credit varies

SCHOOL SERVICE

Pre-requisite: Juniors Only

School Services is open only to juniors. Students enrolled in School Service are assigned to teachers as assistants at a designated time. No credit is awarded for this course. The Secondary School Principal will determine what offices or classrooms service workers are placed. This class is not for credit.

Credit: School Service: 0 Carnegie Credit

STUDY HALL

Pre-requisite: Seniors Only or IB Diploma Candidates

Study Hall is open only to seniors. Seniors who have room in their schedule may request a study hall. No credit is awarded for this course. The Secondary School Principal will determine what hour of the day students have their study hall. This class is not for credit.
INDEPENDENT STUDY
SENIORS

Independent Study is a new course offering in conjunction with the Course Choice options funded through the Louisiana Department of Education. Students enrolled in these courses will receive their grades directly from the provider and those grades will be entered onto the high school transcript. Progress, success, and evaluation is between the student and the provider of the course.

There is also an option for students who wish to further their knowledge but do not want to select a course from the Course Choice providers. These students may find and select their own course/provider, but they will not receive high school credit for the course. The parent/guardian will be responsible for all costs associated.

Finally, regardless of which option a student selects, all seniors must be enrolled in at least 5 credit-bearing courses which must include an English, a math, a science, and a social studies course. If the student’s independent study is a noncredit-bearing course, the student will need to select an additional credit-bearing course to meet the requirement.

TABLE 7

<table>
<thead>
<tr>
<th>Provider</th>
<th>Course Choice</th>
<th>Term</th>
<th>Carnegie Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Edgenuity</td>
<td>Anatomy &amp; Physiology</td>
<td>20-21</td>
<td>1.0</td>
</tr>
<tr>
<td>Edgenuity</td>
<td>Fashion &amp; Interior Design</td>
<td>S1</td>
<td>0.5</td>
</tr>
<tr>
<td>Edgenuity</td>
<td>Family &amp; Consumer Sciences</td>
<td>S1</td>
<td>0.5</td>
</tr>
<tr>
<td>Edgenuity</td>
<td>Financial Literacy</td>
<td>20-21</td>
<td>1.0</td>
</tr>
<tr>
<td>Edgenuity</td>
<td>Psychology</td>
<td>20-21</td>
<td>1.0</td>
</tr>
<tr>
<td>Edgenuity</td>
<td>Psychology AP</td>
<td>S1</td>
<td>1.0</td>
</tr>
<tr>
<td>LSU Eunice</td>
<td>Introduction to Criminal Justice DE</td>
<td>S1</td>
<td>1.0</td>
</tr>
<tr>
<td>LSU Eunice</td>
<td>Introduction to Psychology DE</td>
<td>S1</td>
<td>1.0</td>
</tr>
<tr>
<td>LSU Eunice</td>
<td>Philosophy DE</td>
<td>S1</td>
<td>1.0</td>
</tr>
</tbody>
</table>

- Course Choice: ______________________________________________________ (funded by LDOE)

  Or

- Non-Course Choice: ________________________________________________ (funded by Parent/Guardian)

Parent Signature: ___________________________ Date: __________________

Student Signature: ___________________________ Date: __________________

Student Printed Name: ___________________________
Per Bulletin 741, §2327. Dual Enrollment A.4, the student shall earn at least two or three college hours of credit per semester. A course consisting of at least two college hours shall be counted as no more than one unit of credit toward high school graduation.

Due to this requirement in Bulletin 741, all students registered in a 2-3 hour DE class receive 1 high school Carnegie credit for that semester. See the table below to view examples of our DE classes below. Receiving additional Carnegie units will affect overall GPA, which is used to calculate class rank.

**TABLE 8**

<table>
<thead>
<tr>
<th>HS SEMESTER 1</th>
<th>HS SEMESTER 2</th>
<th>CARNEGIE CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spanish IV DE (SPAN 1101)</td>
<td>Spanish IV DE (SPAN 1102)</td>
<td>2.0 Carnegie credits</td>
</tr>
<tr>
<td>English IV IB DE (ENGL 2123)</td>
<td>English IV IB DE (ENGL 2202)</td>
<td>2.0 Carnegie credits</td>
</tr>
<tr>
<td>English IV Honors DE (ENGL 2000)</td>
<td>English IV Honors</td>
<td>1.5 Carnegie credits</td>
</tr>
<tr>
<td>English III IB</td>
<td>English III IB DE (ENGL 2201)</td>
<td>1.5 Carnegie credits</td>
</tr>
<tr>
<td>English III Honors</td>
<td>English III Honors DE (ENGL 1001)</td>
<td>1.5 Carnegie credits</td>
</tr>
<tr>
<td>Advanced Math Pre-Calculus DE (MATH 1021)</td>
<td>Advanced Math Pre-Calculus DE (MATH 1022)</td>
<td>2.0 Carnegie credits</td>
</tr>
<tr>
<td>Advanced Math Functions</td>
<td>Advanced Math Functions DE (MATH 1021)</td>
<td>1.5 Carnegie credits</td>
</tr>
<tr>
<td>Business Calculus</td>
<td>Business Calculus DE (MATH 1431)</td>
<td>1.5 Carnegie credits</td>
</tr>
<tr>
<td>IB History of the Americas I</td>
<td>IB History of the Americas I DE (HIST 2057)</td>
<td>1.5 Carnegie credits</td>
</tr>
<tr>
<td>US History Honors</td>
<td>US History Honors DE (HIST 2057)</td>
<td>1.5 Carnegie credits</td>
</tr>
<tr>
<td>World History DE (HIST 1005)</td>
<td>World History DE (HIST 1007)</td>
<td>2 Carnegie credits</td>
</tr>
<tr>
<td>Music II IB</td>
<td>Music II IB DE (MUS 1751)</td>
<td>1.5 Carnegie credits</td>
</tr>
</tbody>
</table>

I _______________________ (parent) and I _______________________ (student), hereby attest that I understand the Carnegie credits awarded for dual enrollment.

_________________________  _________________________
Parent Signature/Date      Student Signature/Date