



UNIVERSITY LABORATORY SCHOOL  
HIGH SCHOOL  
PROGRAM OF STUDIES  
2025 – 2026

## 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 along with the IGP. 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, schedule changes may be requested ONLY during the first 3 days of school. All changes 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 3<sup>rd</sup> day of school at 3:00 p.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.

## COURSE PROGRESSION AT ULS

### MATH PROGRESSION AT ULS

Grade	Track 1	Track 2	Track 3	Track 4
6 <sup>th</sup> Grade	Math 6	Math 6	Math 6	Pre-Algebra
7 <sup>th</sup> Grade	Pre-Algebra	Pre-Algebra	Pre-Algebra	Algebra I
8 <sup>th</sup> Grade	Math 8	Algebra I	Algebra I	Geometry
9 <sup>th</sup> Grade	Algebra I	<i>Retake Algebra I</i>	Geometry	Algebra II
10 <sup>th</sup> Grade	Geometry	Geometry	Algebra II	Additional TOPS math
11 <sup>th</sup> Grade	Algebra II	Algebra II	Additional TOPS math	Additional TOPS math
12 <sup>th</sup> Grade	Additional TOPS math	Additional TOPS math	Additional TOPS math	Additional TOPS math

### SCIENCE PROGRESSION AT ULS

GRADE	TRACK 1	TRACK 2
9 <sup>th</sup> Grade	Physical Science	Biology I
10 <sup>th</sup> Grade	Biology I	Chemistry
11 <sup>th</sup> Grade	Chemistry	Additional science
12 <sup>th</sup> Grade	Additional science	Additional science

**In 9<sup>th</sup> grade, students who take Algebra I must also take Physical Science.**

For students who wished to schedule Physical Science as a freshman, but were unable, they may request Physical Science their sophomore year. They will then move on to take Chemistry as a junior and an additional science as a senior.

## EARLY GRADUATION

Students interested in early graduation must apply no later than May 15 of their junior year. Applications may be requested from the Secondary Principal.

## HIGH SCHOOL COURSES TAKEN IN MIDDLE SCHOOL

Except for Health class, middle school students who take courses for high school credit may opt to have those grades transferred to their high school transcript or they may opt to exclude the credits from the high school transcript by repeating the course(s) the following year.

High school credits earned in middle school count towards the Carnegie credits needed to graduate, count towards TOPS, and count towards the grade point average. Regardless of how many high school Carnegie credits are earned in middle school, ULS students are required to take English, math, science, and social studies all 4 years of high school.

## HONOR GRADUATES

All students who have a 3.75 or higher-grade point average at the end high school shall be designated as honor graduates and will receive an honor cord or stole at graduation.

## RETENTION

As per the ULS Pupil Progression Plan, students who fail more than any combination of six 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.

## 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.

## CREDIT RECOVERY

Secondary school students who fail a required course either first or second semester must participate in credit recovery to be promoted to the next grade. High school students who wish to enroll in credit recovery while also being concurrently enrolled in the same course at ULS, should contact the school counselor. If a course repeated in credit recovery is not passed by July 31<sup>st</sup> prior to the start of the upcoming school year, the student must return to their Free Appropriate Public Education (FAPE) school district.

Parents/guardians should request the list of ULS approved credit recovery schools from the school counselor. It is ultimately the responsibility of the parent/guardian to contact the approved credit recovery school for information regarding registration, courses offered, dates, times, and costs.

## 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, Honors, and International Baccalaureate courses taken at a previous school will be awarded additional quality points only 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 SCALE AND QUALITY POINTS

TABLE 4

Letter Grade	Grade Scale	Unweighted Quality Points	Weighted Quality Points**
A	100 - 90	4 quality points	5 quality points
B	89 - 80	3 quality points	4 quality points
C	79 - 70	2 quality points	3 quality points
D	69 - 60	1 quality points	2 quality points
F	59 - 0	0 quality points	0 quality points

\*\* 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](mailto: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, Amy Rouse, at [ajrouse@lsu.edu](mailto:ajrouse@lsu.edu). Also, please visit the website for [fall DE offerings and requirements](#) and/or [spring DE offerings and 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.

*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.*

## 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 IB course students must take the IB exam at the end of the course. Questions regarding IB courses should be directed to the AP/IB coordinator Candence Robillard at [crobil1@lsu.edu](mailto:crobil1@lsu.edu). Also, please visit the school website for additional information.

# ULS GRADUATION REQUIREMENTS—**Class of 2026 & 2027**

(ULS graduation requirements align with the TOPS University Diploma requirements)

TABLE 5

CREDITS	COURSES
<b>ENGLISH = 4 CREDITS**</b>	
1 Credit	English I*
1 Credit	English II*
1 Credit	English III <u>or</u> English III H <u>or</u> English III IB
1 Credit	English IV <u>or</u> English IV H <u>or</u> English IV IB
<b>MATH = 4 CREDITS**</b>	
1 Credit	Algebra I*
1 Credit	Geometry*
1 Credit	Algebra II
1 Credit	Algebra III, Advanced Math - Functions & Statistics, Advanced Math – Pre-Calculus H <u>or</u> AP Pre-Calculus Math I IB, Math II IB, AP Calculus AB <u>or</u> AP Calculus BC
<b>SCIENCE = 4 CREDITS**</b>	
1 Credit	Biology I*
1 Credit	Chemistry I
2 Credits	Physical Science, Biology II H, Chemistry II H, Environmental Science <u>or</u> Environmental Systems IB, Physics <u>or</u> Physics I IB, Physics II IB
<b>SOCIAL STUDIES = 4 CREDITS**</b>	
1 Credit	World Geography <u>or</u> AP Human Geography
1 Credit	Civics* <u>or</u> AP U.S. Government*
1 Credit	U.S. History <u>or</u> U.S. History H <u>or</u> IB History of the Americas I
1 Credit	World History <u>or</u> World History H <u>or</u> IB History of the Americas II
<b>PHYSICAL ED. = 1.5 CREDITS</b>	
1 Credit	Physical Education I
½ Credit	Physical Education II (ULS sophomores take a full year of PE II)
<b>HEALTH = ½ CREDIT</b>	
½ Credit	Health
<b>WORLD LANGUAGE = 2 CREDITS</b>	(2 credits of the <u>same</u> language taken <u>in high school</u> )
1 Credit	World Language - credit one
1 Credit	World Language - credit two
<b>FINE ARTS = 1 CREDIT</b>	
1 Credit	Art, Band, Choir, Music & Technology, Theatre I <u>or</u> Theatre IB
<b>ELECTIVES = 3 CREDITS</b>	(See course descriptions in the HS Program of Studies)
1 Credit	
1 Credit	
1 Credit	
<b>TOTAL = 24 CREDITS</b>	

\*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.

\*\*\*Students who previously took Fine Arts Survey can have that credit applied for the Fine Arts requirement.

# ULS GRADUATION REQUIREMENTS—Class of 2028

(ULS graduation requirements align with the TOPS University Diploma requirements)

TABLE 6

CREDITS	COURSES
<b>ENGLISH = 4 CREDITS**</b>	
1 Credit	English I*
1 Credit	English II*
1 Credit	English III <u>or</u> English III H <u>or</u> English III IB
1 Credit	English IV <u>or</u> English IV H <u>or</u> English IV IB
<b>MATH = 4 CREDITS**</b>	
1 Credit	Algebra I*
1 Credit	Geometry*
1 Credit	Algebra II
1 Credit	Algebra III, Advanced Math - Functions & Statistics, Advanced Math – Pre-Calculus H <u>or</u> AP Pre-Calculus Math I IB, Math II IB, AP Calculus AB <u>or</u> AP Calculus BC
<b>SCIENCE = 4 CREDITS**</b>	
1 Credit	Biology I*
1 Credit	Chemistry I
2 Credits	Physical Science, Biology II H, Chemistry II H, Environmental Science <u>or</u> Environmental Systems IB, Physics <u>or</u> Physics I IB, Physics II IB
<b>SOCIAL STUDIES = 4 CREDITS**</b>	
1 Credit	World Geography <u>or</u> AP Human Geography
1 Credit	Civics* <u>or</u> AP U.S. Government*
1 Credit	U.S. History <u>or</u> U.S. History H <u>or</u> IB History of the Americas I
1 Credit	World History <u>or</u> World History H <u>or</u> IB History of the Americas II
<b>PHYSICAL ED. = 1.5 CREDITS</b>	
1 Credit	Physical Education I
½ Credit	Physical Education II (ULS sophomores take a full year of PE II)
<b>HEALTH = ½ CREDIT</b>	
½ Credit	Health
<b>WORLD LANGUAGE = 2 CREDITS</b>	(2 credits of the <u>same</u> language taken <u>in high school</u> )
1 Credit	World Language - credit one
1 Credit	World Language - credit two
<b>FINE ARTS = 1 CREDIT</b>	
1 Credit	Art, Band, Choir, Music & Technology, Theatre I <u>or</u> Theatre IB
<b>ELECTIVES = 3 CREDITS</b>	(See course descriptions in the HS Program of Studies)
1 Credit	Financial Literacy
1 Credit	
1 Credit	
<b>TOTAL = 24 CREDITS</b>	

\*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.

# ULS GRADUATION REQUIREMENTS—Class of 2029

(ULS graduation requirements align with the TOPS University Diploma requirements)

TABLE 7

CREDITS	COURSES
<b>ENGLISH = 4 CREDITS**</b>	
1 Credit	English I*
1 Credit	English II*
1 Credit	English III <u>or</u> English III H <u>or</u> English III IB
1 Credit	English IV <u>or</u> English IV H <u>or</u> English IV IB
<b>MATH = 4 CREDITS**</b>	
1 Credit	Algebra I*
1 Credit	Geometry*
1 Credit	Algebra II
1 Credit	Algebra III, Advanced Math - Functions & Statistics, Advanced Math – Pre-Calculus H <u>or</u> AP Pre-Calculus Math I IB, Math II IB, AP Calculus AB <u>or</u> AP Calculus BC
<b>SCIENCE = 4 CREDITS**</b>	
1 Credit	Biology I*
1 Credit	Chemistry I
2 Credits	Physical Science, Biology II H, Chemistry II H, Environmental Science <u>or</u> Environmental Systems IB, Physics <u>or</u> Physics I IB, Physics II IB
<b>SOCIAL STUDIES = 4 CREDITS**</b>	
1 Credit	World Geography <u>or</u> AP Human Geography
1 Credit	Civics* <u>or</u> AP U.S. Government*
1 Credit	U.S. History <u>or</u> U.S. History H <u>or</u> IB History of the Americas I
1 Credit	World History <u>or</u> World History H <u>or</u> IB History of the Americas II
<b>PHYSICAL ED. = 1.5 CREDITS</b>	
1 Credit	Physical Education I
½ Credit	Physical Education II (ULS sophomores take a full year of PE II)
<b>HEALTH = ½ CREDIT</b>	
½ Credit	Health
<b>WORLD LANGUAGE = 2 CREDITS</b>	(2 credits of the <u>same</u> language taken <u>in high school</u> )
1 Credit	World Language - credit one
1 Credit	World Language - credit two
<b>FINE ARTS = 1 CREDIT</b>	
1 Credit	Art, Band, Choir, Music & Technology, Theatre I <u>or</u> Theatre IB
<b>ELECTIVES = 3 CREDITS</b>	(See course descriptions in the HS Program of Studies)
1 Credit	Financial Literacy
1 Credit	Computer Science
1 Credit	
<b>TOTAL = 24 CREDITS</b>	

\*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

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.

Credit: English I: 1 Carnegie Credit

### ENGLISH II

Prerequisite: 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

Prerequisite: 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

Prerequisite: English II

DE: English 1001 (Spring)

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. Students have the option of dual enrollment in English 1001 during the spring semester. Successful completion of ENGL 1001 affords the student the opportunity to take ENGL 2000 next year.

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)

Prerequisite: English II & Suggested Teacher Approval

DE: English 2201 (Spring)

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. Students have the option of dual enrollment in English 2201 during the spring semester.

Credit: English III IB: 1 Carnegie Credit

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

## ENGLISH IV

Prerequisite: 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

Prerequisite: English III

DE: English 2000 (Fall)

English IV Honors is a year-long 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 argumentative writing, rhetoric, and revision, including a semester-long research project. Students will have the option of dual enrollment for college credit in English 2000 during the fall semester. Completion of English III Honors is highly recommended for students taking this course.

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)

Prerequisite: English III: IB Literature

DE: English 2123 (Fall) and 2202 (Spring)

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 are required to take the IB exam at the end of the school

year. Students have the option of dual enrollment in English 2123 during the fall semester and/or English 2202 spring semester.

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

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)

Prerequisite: 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)

Prerequisite: 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 newsletter, Cub Chronicles, published three times per year. Class size is limited. Students will be selected based upon the previous year's performance.

Credit: Publications II (Yearbook): 1 Carnegie Credit

# MATHEMATICS

## ALGEBRA I

Prerequisite: 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

Prerequisite: 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

Prerequisite: 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

## AP PRE-CALCULUS

Prerequisite: Algebra I, Geometry and Algebra II

This course is designed to cover all required AP Precalculus and IB Math SL 1 material. The material covered will help prepare students for AP Calculus AB and/or AP Calculus BC/IB Math II. The first semester will extend learning from Algebra 2 regarding polynomial, rational, and exponential functions. Topics will cover average rates of change for sequences and functions including linear and quadratic functions, identifying key characteristics of polynomial, rational, and exponential functions, and rewriting polynomial expressions in equivalent forms using the Binomial Theorem. Sequences and series as they relate to linear and exponential functions will be studied. The spring semester will cover logarithmic and trigonometric functions. Right triangle trigonometry and the unit circle are heavily studied throughout the spring semester. This course has been developed as an Advanced Placement Mathematics Course by the College Board and requires a mandatory Advanced Placement Test that concludes the course. Students are required to take the AP exam at the end of the course.

Credit: AP Pre-Calculus: 1 Carnegie Credit

## ADVANCED MATH: FUNCTIONS & STATISTICS (STANDARD LEVEL)

Prerequisite: Algebra II

Math topics include solving equations and inequalities, function properties and graphs with transformations; inverse functions; linear, quadratic, polynomial, rational, exponential, and logarithmic functions with applications; systems of equations. This course is designed to ensure success in entry level college math courses.

## ADVANCED MATH: FUNCTIONS & STATISTICS

Prerequisite: Algebra II, ACT math score of 19-21, ACT composite score of 19 (or PSAT/SAT equivalent)

DE: Math 1021 (Spring)

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. ACT score must be prior to January.

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

Credit: Advanced Math: Functions & Stats w/ Math 1021 (spring only DE): 1.5 Carnegie Credits

## ADVANCED MATH: PRE-CALCULUS HONORS

Prerequisite: Algebra II, ACT math score of 22 or greater or PSAT/SAT equivalent

DE: Math 1021 (Fall) and 1022 (Spring)

This course is a Prerequisite for AP Calculus AB or BC. 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

## BUSINESS CALCULUS

Prerequisite: Algebra I, Geometry, Algebra II, and one additional TOPS approved math course

DE: Math 1431 (Spring)

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 a C or above in 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

## MATH II IB

Prerequisite: Math I IB

Math II IB is the second of a two-year survey of mathematics. In year 2 students will study probability, statistics, and introductory calculus. 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 required 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

## AP CALCULUS AB

Prerequisite: Completion of Algebra I, Geometry, Algebra II, and fourth TOPS approved math; 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. AP test is required at the end of the school year.

Credit: AP Calculus AB: 1 Carnegie Credit

## AP CALCULUS BC

Prerequisite: AP Calculus AB

In the first semester students will study probability and statistics. Continuous review of content from previous years will be essential. In the spring students will complete 2 units of calculus, calculus with parametric and polar functions, and Taylor series, plus a handful of minor topics. This material, in addition to the content from AP Calculus AB will prepare students for the AP Calculus BC exam in May. Success on the AP exam usually earns students two semesters of university calculus credit. Students are required to take the AP Calculus BC exam at the end of the school year. The IB Mathematics SL exam is optional.

Credit: AP Calculus BC: 1 Carnegie Credit

# SCIENCE

## PHYSICAL SCIENCE

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

Prerequisite: Enrolled in Geometry or higher level math

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

Prerequisite: 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 HONORS

Prerequisite: Completion of Biology I & Chemistry I, teacher approval, A or B in Biology I and Chemistry I

DE: General Biology 151

Biology II Honors is an upper level survey of biology. Topics covered in this course include cell biology, basic biochemistry, genetics, protein synthesis, the chemical composition of cells, gene structure and expression, cell organization, the basis of heredity and reproduction, evolution, population genetics and dynamics, and the origins of life's diversity.

Credit: Biology II Honors: 1 Carnegie Credit

## CHEMISTRY II HONORS

Prerequisite: A or B in Chemistry I, Teacher approval, and a recommended 25 or higher on ACT Math

DE: Chemistry 1201 (Fall) and 1202 (Spring)

Chemistry II is a first-year college course and is an in-depth study of the principles and concepts in chemistry. 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 II Honors: 1.0 Carnegie Credits

Credit: Chemistry II Honors w/ DE 1201 (fall only DE): 1.5 Carnegie Credits

Credit: Chemistry II Honors w/ DE 1201 & 1202 (fall & spring DE): 2.0 Carnegie Credits

## ENVIRONMENTAL SCIENCE

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

## ENVIRONMENTAL SYSTEMS IB

Prerequisite: 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. Students are required to take the standard level examination at the end of the course.

Credit: Environmental Systems IB: 1.0 Carnegie Credit

## PHYSICS

Prerequisite: Completion of Chemistry I 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

## PHYSICS I IB (HL OR SL)

Prerequisite: A or B 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, and an introduction to waves. 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)

Prerequisite: Physics I IB

Physics II IB is the second year of the Physics IB course. Topics include waves, fields (gravitational, electric, and magnetic), induction, nuclear and quantum physics (structure of atom, quantum physics, radioactive decay, fission, fusion and stars). 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. Students are required to take the IB exam at the end of the course.

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

## FORENSIC SCIENCE

Prerequisite: Completion of Chemistry I and Algebra II or higher

Forensic Science is an elective course that may be taken senior year but does not count towards your required science courses. 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

Prerequisite: Must earn greater than or equal to 85% both semesters in 8th grade Social Studies.

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. AP test is required at the end of the school year.

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

Prerequisite: "B" or higher in the prior year Social Studies course.

AP US Government & Politics: This course 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. AP test is required at the end of the school year.

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

## 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

DE: History 2057 (Spring)

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.

Credit: United States History Honors: 1 Carnegie Credit

Credit: United States History Honors w/ Hist 2057 (spring only DE): 1.5 Carnegie Credits

## HISTORY OF THE AMERICAS I IB (HL)

Prerequisite: "B" or higher in the prior year Social Studies course.

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. Students will write an in-depth research paper on a topic of their choosing from the Americas region. This paper will follow the IB guidelines and rubric in preparation for the senior year HOA II paper. 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

## HISTORY OF THE AMERICAS II IB (HL)

Prerequisite: 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 20<sup>th</sup> 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 Americans II IB (HL): 1 Carnegie Credit

## WORLD HISTORY

World History will cover the period from the Renaissance through the late 20<sup>th</sup> century. The course emphasizes cause and effect, cultural change, and connections to our condition in the 21<sup>st</sup> 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

DE: History 1005 (Fall) and 1007 (Spring)

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

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. Students are required to take the IB exam at the end of the course.

Credit: Business Management IB: 1 Carnegie Credit

# HEALTH & PHYSICAL EDUCATION

## HEALTH EDUCATION

Positive decision making related to individual health is emphasized as the core of the health course. Units of instruction include and introduction to overall health, mental health, relationships, nutrition, vaping, alcohol abuse, drug use & 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

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

Prerequisite: 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: 1 Carnegie Credit

## PHYSICAL EDUCATION III/IV

Prerequisite: Physical Education I & II

Physical Education III/IV is an elective for students who have completed their basic health and physical education requirements.

Credit: Physical Education III/IV: 1 Carnegie Credit

## WORLD LANGUAGES

### FRENCH I

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

Prerequisite: French I

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

Prerequisite: 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

Prerequisite: French III

French 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, and sharing the planet. Students may enroll as IB certificate students at the standard level or higher level with the approval of the teacher.

Credit: French IV IB: 1 Carnegie Credit

## FRENCH V IB

Prerequisite: 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 and higher level examination. Students are required to take the IB exam at the end of the course.

French V IB: 1 Carnegie Credit

## SPANISH I

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

Prerequisite: 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

Prerequisite: 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

Prerequisite: Spanish III

DE: Spanish 1101 (Fall) and 1102 (Spring)

The primary goal of this course is to offer students an introduction to basic communicative skills in Spanish while developing an awareness and appreciation of Hispanic/Latino cultures. This course is based on the goals from the Standards of Foreign Language Learning in the 21<sup>st</sup> Century, also known as the 5 Cs, which focus on 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

Prerequisite: 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 the approval of the teacher.

Credit: Spanish IV IB: 1 Carnegie Credit

## SPANISH V

Prerequisite: Spanish IV

DE: Spanish 2101 (Fall) and 2102 (Spring)

The primary goal of this course is to provide students with a review of previously learned Spanish and to help them acquire new communicative skills in Spanish while developing an awareness and appreciation of Hispanic/Latino cultures. Course goals from the Standards of Foreign Language Learning in the 21<sup>st</sup> Century, also known as the 5 Cs, which focus on five general areas: communicating in Spanish, gaining knowledge and understanding of cultures of the Hispanic world, 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 V: 1 Carnegie Credit

Credit: Spanish V w/ Span 2101 (fall DE only): 1.5 Carnegie Credits

Credit: Spanish V w/ Span 2101 & 2102 (fall & spring DE): 2 Carnegie Credits

## SPANISH V IB

Prerequisite: 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. Students are required to take the IB exam at the end of the course.

Credit: Spanish V IB: 1 Carnegie Credit

# TECHNOLOGY

## AP COMPUTER SCIENCE PRINCIPLES

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 collaboratively to solve problems.

Credit: AP Computer Science Principles: 1 Carnegie Credit

## COMPUTER TECHNOLOGY/LITERACY

Discover the exciting world of computer technology! This course offers a hands-on introduction to the essential Microsoft tools, concepts, and skills driving today's digital landscape. Students will explore Microsoft programs, including Word and Excel. Through labs, projects, and real-world applications, students will develop a solid foundation in computer skills that opens doors to countless career paths.

Credit: Computer Technology/Literacy: ½ Carnegie Credit

## DIGITAL STORY TELLING

Digital Story Telling is a project based learning (PBL) 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. Throughout the course, experimentation and the practice of storytelling through the lenses of multiple mediums allows students to develop narrative reasoning skills, while simultaneously giving them a realm to be creative and challenged. The course focuses on content creation, specifically in the realms of: Visual, Auditory, Videographic, and Interactive Storytelling. The course also focuses on Digital Literacy, and how to become a responsible citizen. At any point throughout the course, students use information and communication technologies to find, evaluate, create, and communicate information, requiring both cognitive and technical skills.

Credit: Digital Story Telling: 1 Carnegie Credit

## ROBOTICS LSU (I)

This beginning robotics course uses VEX EXP Robotics parts and VEX Code (as well as Visual Studio) software to introduce the student to basic programming in C++ or Python. As well as learning basic syntax, students will learn problem solving strategies incorporating skills such as decomposition, pattern recognition, algorithmic thinking, and abstraction. This course will use discovery learning methodology to engage students in the development, building, and programming of robots to accomplish various tasks. Students will work hands-on in teams to design, build, and program robots as well as document their progress using an engineering notebook. Topics may include motor speed; gear ratios; torque; sensors; programming algorithms involving sequencing, selection, and iteration; project documentation and decision-making. Students will have the opportunity to work as a project manager, a builder, and a programmer throughout each project.

Credit: Robotics I: 1 Carnegie Credit

## ROBOTICS 2 (RCVT)

This advanced robotics course uses VEX Exp and Vex V5 robotics parts with VEX Code software to develop the student's basic programming, design, build, as well as problem solving strategies. This course will involve students in the development, building, and programming of robots to accomplish various tasks specific to the VRC competition. Students will work hand-on in teams to design, build, and program robots as well as document their progress using an engineering notebook. Topics may include game analysis, advanced base design, programming a controller, sensors, intake and lift systems, project documentation, and decision-making. Students have the opportunity to work as a project manager, a builder, and a programmer throughout the course as a collaborative team with the goal to compete with other schools in the area.

Credit: Robotics II: 1 Carnegie Credit

# FINE ARTS

## VISUAL ARTS COURSES

### ART I

Art I is designed for grades 9-10. Fee: \$25. Students are encouraged to develop their own ideas while learning the elements and principles of visual design. Students are also taught the foundations in drawing, painting, sculpture, graphics, ceramics, and printmaking. This course covers the following topics: Studio Production, critical analysis, aesthetic awareness, basic art history. The curriculum of this course focuses on integrating art into the content areas: English, science, math, and social studies. This course is a prerequisite for all other Studio courses.

Credit: Art I: 1 Carnegie Credit

### ART II

Prerequisite: Art I or teacher approval

Art II is designed for grades 10-11. Fee: \$25. This course places emphasis on developing concepts in art making and problem solving. Students will also continue developing skills in drawing, painting, and three-dimensional design covered in Art I, with critical and aesthetic analysis of contemporary artists. Transfer students must submit a portfolio. This course is a prerequisite for Art III/Ceramics III.

Credit: Art II: 1 Carnegie Credit

### ART III

Prerequisite: Art I & Art II at the high school level and teacher approval

Art III is designed for grades 11-12. Fee: \$25. This studio art course is filled with projects and activities that will boost creativity, improve your collaborative participation, and develop your communication skills through creating art. This is an intermediate level of visual arts which concentrates on a variety of painting media as well as mixed media and 3-D forms and graphic arts. This course also examines the history of painting, critical and aesthetic concepts. Transfer students must submit a portfolio.

Credit: Art III: 1 Carnegie Credit

### ART IV

Prerequisite: Art I, Art II, & Art III at the high school level, general portfolio, and teacher approval

Art IV is designed for Grades 12. Fee: \$25. This is an advanced level course which addresses problems that can occur in the studio. Emphasis is placed on form, content, composition and independent exploration. Students submit goals and objectives for projects of their own design. Transfer students must submit a portfolio.

Credit: Art IV: 1 Carnegie Credit

### ART/DESIGN III IB

Prerequisite: Art I & II, 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

Prerequisite: 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. Students are required to complete the IB assessment at the end of the course.

Credit: Art/Design IV IB: 1 Carnegie Credit

## CERAMICS III

Prerequisite: Juniors & Seniors Only

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

Prerequisite: 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

## PHOTOGRAPHY

Prerequisite: Art I

This is an introductory course dealing with small format digital techniques. Students will have the opportunity to express themselves through the medium and build confidence in their ability to create and appreciate art. Students will utilize and become familiar with several technical methods in the production of Photographic memory as well as wrestle with aesthetic issues and their reflective thinking. The core of the course will be on the composition of good photos through studying the Elements of Art and the Principles of Design. Emphasis will be placed on hands-on problem solving, aesthetics and reflection.

Credit: Photography: 1 Carnegie Credit

## THEATRE COURSES

### THEATRE I

Theatre I introduces U-High students to the theatrical arts. Creativity, collaboration, and perseverance are emphasized. Areas covered in depth include theatre vocabulary, roles in the theatre, movement, acting, improvisation, the reading of plays and musicals, theatre design and tech, and viewing theatre and musical theatre performances. Students will be creating projects throughout the year in groups just as they would encounter in the professional theatre world. We will also collaborate with LSU Theatre students.

Credit: Theatre I: 1 Carnegie Credit

### THEATRE ARTS I IB

Prerequisite: 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 meetings 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

Prerequisite: 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. Students are required to complete the IB assessment at the end of the course.

Credit: Theatre Arts II IB: 1 Carnegie Credit

## MUSIC COURSES

*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

Prerequisite: 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

## Music I IB

Prerequisite: Concurrent enrollment in Advanced Band or Advanced Choir and instructor approval

This is a 2 year course for IB credit involving aspects of the composition, performance and critical analysis of music, the course exposes students to forms, styles and functions of music from a wide range of historical and socio-cultural contexts. Students create, participate in, and reflect upon music from their own background and those of others. They develop practical and communicative skills which provide them with the opportunity to engage in music for further study.

Music IB is based on 4 Areas of Inquiry.

- Music for sociocultural and political expression
- Music for listening and performance
- Music for dramatic impact, movement, and entertainment
- Music technology in the electronic age

Each of these areas should be examined in a personal, local, and global context.

Course content is project based.

Credit: Music I IB: 1 Carnegie Credit

## Music II IB

Prerequisite: IB Music I, concurrent enrollment in Advanced Band or Advanced Choir, instructor approval

Continuation of the concepts presented in IB Music I. External and internal assessment criteria will be based on the 4 Areas of Inquiry as listed in IB Music I. Students are required to take the IB assessment at the end of the course.

Credit: Music II IB: 1 Carnegie Credit

## ADVANCED CHOIR

Prerequisite: Audition and director approval

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. Students may audition for All District Choir, All State Choir, and Regional Honor Choir.

Credit: Advanced Choir: 1 Carnegie Credit

## MUSIC AND TECHNOLOGY

Discover how technology is used in the production of music. Discover how technology fits into the recording and production of music; how technology aids in live music performance: the synthesizer & other MIDI controllers; management, care, and operation of music technology devices and equipment; develop conceptual understanding surrounding the legal and ethical issues of digital music creation, sharing, distribution, and consumption. Produce basic-level music technology recording projects.

Credit: Music and Technology: 1 Carnegie Credit

## OTHER COURSES

### ACT PREP/COLLEGE & CAREER READINESS

Prerequisite: Juniors & Seniors

#### ACT PREP (semester 1)

The ACT Prep course is an online, individualized prep class designed to help students improve their scores and boost their confidence for the ACT exam. Students will learn skills for each test section – English, Math, Reading and Science – focusing on time management and test-taking techniques. Through practice, review of key concepts, and diagnostic tests, students will gain familiarity with the ACT format and develop a personalized approach to their test preparation. This course is ideal for those aiming to enhance their scores and perform at their best on test day.

#### COURSE HIGHLIGHTS:

- Comprehensive content review for all sections of the ACT.
- Targeted practice to strengthen areas of improvement.
- Realistic practice tests and timed drills.

#### CAREER AND COLLEGE (semester 2)

This course is designed to equip students with the skills, knowledge, and confidence to navigate their career and college journeys successfully. Students will explore a range of career paths, learn about postsecondary education options, and develop practical skills in goal setting, time management, financial literacy, and professional communication. Students will gain insight into various industries, understand college application processes, and prepare resumes, cover letters, and interview techniques. By end of the course, students will have a clearer vision of their future and postsecondary options.

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

### AMERICAN SIGN LANGUAGE I

Prerequisite: Juniors & Seniors

American Sign Language (ASL) is a highly visual structured language. It is the third most studied language in America. This course is for students who want to learn the basic structure of the American Sign Language and the cultural differences between American Deaf and hearing people. Emphasis will be placed on receptive and expressive skills in sign language without auditory cues. The course consists of basic ASL fingerspelling, beginning signs and ASL grammar, history of the language, regional differences, and various aspects of the culture of the Deaf community. Students will communicate using ASL with their teachers and peers by gesturing, signing, and in writing at all times in the classroom. Class participation is essential for the development of beginner's signing proficiency. Students must be willing to sign in the classroom.

### LEADERSHIP I

Prerequisite: Juniors and Seniors

The course is designed to develop essential leadership skills through activities, hands-on experiences, and practical work. It will also be used to complete tasks for our clubs. Club officers and leaders will have priority in class enrollment. Juniors and Seniors only.

## LEADERSHIP II

Prerequisite: Juniors and Seniors, completion of Leadership I

The course is designed to develop advanced leadership skills through activities, hands-on experiences, and practical work. It will also be used to complete tasks for our clubs. Club officers and leaders will have priority in class enrollment. Leadership I is required. Juniors and Seniors only.

## SCHOOL SERVICE

Prerequisite: Juniors Only

School Service is a non-credit course that provides students with the opportunity to contribute to the daily operations of the school community. Students are assigned to assist in an on-campus office or support a classroom teacher, performing tasks such as organizing materials, delivering messages, assisting with basic clerical work, and providing general support as needed. This course fosters responsibility, reliability, and professionalism while allowing students to develop communication and organizational skills. **This class is not for credit.**

## THEORY OF KNOWLEDGE I IB

Prerequisite: 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 in the IB Diploma Course. **This class is for credit in the spring only. Instructor will provide a schedule of class meetings for the entire year**

Credit: Theory of Knowledge I IB: 0.5 Carnegie Credit

## THEORY OF KNOWLEDGE II IB

Prerequisite: 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 help in completing the internal assessments for their IB courses. **This class is for credit in the fall only.**

Credit: Theory of Knowledge II IB: 0.5 Carnegie Credit

## EARLY RELEASE

### EARLY RELEASE

Early Release is a senior privilege, allowing participating seniors to leave campus before the end of the school day. This option provides students with additional time for work, internships, college preparation, or other responsibilities outside of school. Students must have parent/guardian permission and provide their own transportation. Once dismissed, they are not permitted to remain on campus unless involved in an approved school activity. **Seniors only. This is not for credit.**

## DUAL ENROLLMENT ATTESTATION STATEMENT

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**

HS SEMESTER 1	HS SEMESTER 2	CARNEGIE CREDITS
Biology II Honors	Biology II Honors DE (General Biology 151) <i>taken over both semesters but is considered one college course</i>	1.0 Carnegie credits
Chemistry II Honors DE (CHEM 1201)	Chemistry II Honors DE (CHEM 1202)	2.0 Carnegie credits
English IV IB DE (ENGL 2123)	English IV IB DE (ENGL 2202)	2.0 Carnegie credits
English IV Honors DE (ENGL 2000)	English IV Honors	1.5 Carnegie credits
English III IB	English III IB DE (ENGL 2201)	1.5 Carnegie credits
English III Honors	English III Honors DE (ENGL 1001)	1.5 Carnegie credits
Advanced Math Pre-Calculus DE (MATH 1021)	Advanced Math Pre-Calculus DE (MATH 1022)	2.0 Carnegie credits
Advanced Math Functions	Advanced Math Functions DE (MATH 1021)	1.5 Carnegie credits
Business Calculus	Business Calculus DE (MATH 1431)	1.5 Carnegie credits
US History Honors	US History Honors DE (HIST 2057)	1.5 Carnegie credits
World History DE (HIST 1005)	World History DE (HIST 1007)	2 Carnegie credits
Spanish IV DE (SPAN 1101)	Spanish IV DE (SPAN 1102)	2 Carnegie credits
Spanish V DE (SPAN 2101)	Spanish V DE (SPAN 2102)	2 Carnegie credits

We, parent and student hereby attest that we understand the Carnegie credits awarded for dual enrollment.