

FONTAINEBLEAU HIGH SCHOOL

2025-2026

PROGRAMS OF STUDY

ADMINISTRATION

NATHAN CORLEY

PRINCIPAL

CHRIS NELSON
ASST. PRINCIPAL

MARY PRIEBE
ASST. PRINCIPAL

LORI TAYLOR
ASST. PRINCIPAL

KATHY BIRD
ADMINISTRATIVE ASST.

JOHNNY WORTMANN
ADMINISTRATIVE ASST.

ELICIA THURMAN
ADMINISTRATIVE ASST.

SCHOOL COUNSELORS:

CHÉ ASHBY-JACKSON

KIM MCKINLEY

LEAH MOLLERE

SHANNON FRANCIS

HOLLIS ANNE SHANE

100 BULLDOG DRIVE
MANDEVILLE, LA 70471
WWW.FONTAINEBLEAUHIGH.STPSB.ORG

The ultimate mission of Fontainebleau High School is to provide our students with the ability and tools necessary to function successfully in an advancing society.

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INTRODUCTION

The purpose of this guide is to help you and your parents make better decisions concerning your course selections for the coming year. It is essential that you think seriously about a particular subject before scheduling it. It is also important to use this booklet for an overall plan for your entire school career. Each class that you choose should be a part of an overall plan. Read this guide carefully and discuss your plans with your parents.

COUNSELORS

A counselor is assigned to you and will work with you concerning your academics, vocational and career information, college and scholarship counseling, personal challenges, testing, written recommendations, and references, etc. You would be well advised to communicate your unique interests, abilities, needs, and ambitions to your counselor.

It is important to understand that the role of the counseling staff is to advise students. Students and their parents/guardians assume full responsibility for the course work scheduled. Though the school personnel will attempt to locate and correct any errors, it is the students' and their parents' responsibility to select the courses, keep copies of records and plan their schedule to meet all requirements for graduation. Also, parents and students have the responsibility to check the requirements for the college of their choice and schedule coursework accordingly.

GRADE CLASSIFICATION

CLASSIFICATION	MINIMUM CREDITS
Sophomores	5 Credits
Juniors	11 Credits
Seniors	17 Credits
Total Credits for Graduation - TOPS University Diploma	24 Credits
Total Credits for Graduation - TOPS Tech Diploma	23 Credits

INDIVIDUAL GRADUATION PLAN (IGP)

The Louisiana Department of Education *requires* every student to develop, with the input of his/her parent/guardian, an IGP by the end of the eighth grade. The purpose of the IGP document includes: explore educational and career opportunities, make appropriate secondary/postsecondary decisions as part of an overall career plan, outline a course of study based on the student's talents and interests, and consider graduation requirements relevant to the student's chosen area of concentration and postsecondary requirements. The student, parent/guardian, and counselor will review and sign the plan annually.

TESTING

Leap 2025

The Louisiana Department of Education has initiated an assessment program to support consistent and rigorous standards in key high school courses. All students must pass three exams in the following categories to graduate with either the TOPS University Diploma or the TOPS Tech Diploma: (a) English I or English II; (b) Algebra I or Geometry; and (c) Biology or U.S. History.

Advanced Placement

AP gives students the chance to tackle college-level work while still in high school and earn college credit. Visit College Board website to learn more about AP and useful tools such as exam practice tests. FHS requires a fee and students must take the AP or CLEP exam.

CLEP

CLEP is an exam developed to give students an opportunity to earn college credit in 34 different courses. Find study resources, detailed exam descriptions, test-taking tips, and more at: clep.collegeboard.org/exams/offered. If you are interested in taking a CLEP exam, please see Ms. Jackson in the school counseling office.

FREE APPLICATION FOR FEDERAL STUDENT AID (FAFSA)

Completion of the FAFSA is a Louisiana Department of Education requirement for graduation. The FAFSA form must be filed within the deadlines for priority consideration. A FAFSA form *must* be electronically completed as early as October at www.fafsa.gov. It is the student and parent's responsibility to fill out the FAFSA form by the required deadline. For more information, go to www.fafsa.gov or contact Ms. Francis.

HIGH SCHOOL GRADUATION OPTIONS

Louisiana TOPS University Curriculum

The successful completion of the Louisiana TOPS University Diploma Curriculum requires a minimum of 24 units in specific courses as detailed in this Program of Study. Students who successfully complete this curriculum will have completed the minimum required curriculum as a component of TOPS eligibility as well as Louisiana public university freshman entrance requirements. Eligibility for TOPS as well as entrance to Louisiana public universities also relies on earning a minimum required GPA as well as minimum required ACT composite scores and sub-scores.

Louisiana TOPS Tech Curriculum

TOPS Tech provides *career courses* and *workplace experiences* to high school students, allowing them to continue their education after high school, *certifying them for career fields*. While in high school, participating students will achieve *industry certificates or college credentials* in addition to their high school diplomas. These credentials will qualify graduates to continue their studies after high school at a community or technical college *or* to launch a career upon graduating. Students completing the TOPS Tech Curriculum must complete a TOPS Tech Pathway including nine pathway elective credits for a total of 23 high school credits, and at least one industry based certification for the chosen pathway.

LOUISIANA TUITION OPPORTUNITY PROGRAM FOR STUDENTS (TOPS)

This program awards college, university, or state technical college tuition to Louisiana high school graduates at a Louisiana college or university who meet specific academic standards. **To receive the TOPS award, students must earn a cumulative grade point average of 2.5 in the core curricula courses** (see TOPS Core Curriculum) **and score a 20 on the ACT or greater than the state's prior year average.** The annual award amount varies since it is based on the amount of tuition charged by individual institutions. TOPS offers four award programs: Opportunity, Performance, Honors, and Tops Tech. The application for the TOPS award begins with filing the Free Application for Federal Student Aid (FAFSA).

DUAL ENROLLMENT PROGRAM (DE)

Dual Enrollment is a program that allows eligible high school students, currently attending St. Tammany Parish public or private schools, to concurrently enroll in a college course. The credits that students earn will be eligible towards both a high school diploma and college credit. To be eligible for the Early Start/Dual Enrollment Program, please see the "Eligibility Guidelines" for each institution in this Program of Study.

SHORT DAY FOR SENIORS

Since a seven-period day schedule has been funded to enhance educational opportunities for high school students, it is the intent of the St. Tammany Parish School district to have students complete four full years of a high school education. It is strongly recommended that students who wish to get an early start in college participate in Early Start/Dual Enrollment courses or Advanced Placement courses. Seniors are **required** to enroll in five (5) classes for credit during both semesters in their senior year. If they choose to request a short day, applications are in the school counseling office. Seniors must have a minimum of 19 credits as well as an 18+ ACT score or a Silver+ WorkKeys score to schedule short day.

INTERNSHIP

Internship is a 2 hour elective course offered either in the morning or afternoon designed to provide students with a structured work site for training and experience in a specific career field. Students will be exposed to a work environment off campus that will allow them to observe and participate in their specified career field. Students need reliable transportation to and from the internship site, no excessive absences, and a good discipline record.

SCHEDULE CORRECTION POLICY

Schedules will be changed only for the following reasons: Incorrect placement; a period or a requirement for graduation is missing; duplicate class.

Schedules will not be changed for: a different elective; a different lunch; a different teacher; a different time.

The process for schedule change request is:

1. Write your schedule change request on the form available in the school counseling office.
2. Put your request in the basket designated for your class.
3. Submit only 1 request. Be patient; we are working as fast as we can.

Gifted Program

The Gifted Program at Fontainebleau High School offers academic courses in grades 9-12 that meet the unique needs of gifted students. Classes are designed to have reduced numbers to facilitate individualized instruction. Gifted courses are weighted courses, and students have the opportunity to earn college credits in select courses through Advanced Placement or CLEP testing. Students must be identified as gifted and have a current IEP in St. Tammany Parish. If the student has been previously identified as gifted in St. Tammany and wishes to resume gifted services, they may contact the Gifted Department to begin the IEP process.

Gifted Course Offerings:

9th Grade: English I, World Geography (AP Human Geography), Geometry

10th Grade: English II, Government (AP Government), Algebra II

11th Grade: English III (CLEP/AP Language and Composition), U.S. History (CLEP/ AP), Pre-Calculus (CLEP/AP)

12th Grade: English IV (CLEP/AP Literature), World History (CLEP/AP)

Honors Course Entrance Requirements for Entering Freshmen

Students wishing to enroll in advanced level courses such as honors and/Advanced Placement courses as freshmen must earn at least 4 points on the honors rubric for *each* core content area for which they would like to be considered for entrance into the course.

<u>ENGLISH</u>	<u>MATH</u>	<u>SCIENCE</u>	<u>SOCIAL STUDIES</u>
Previous Course Grade A = 3 points B = 2 points C = 1 point D = 0 points	Previous Course Grade A = 3 points B = 2 points C = 1 point D = 0 points	Previous Course Grade A = 3 points B = 2 points C = 1 point D = 0 points	Previous Course Grade A = 3 points B = 2 points C = 1 point D = 0 points
STANDARDIZED ASSESSMENT: Advanced: 3 points Mastery: 2 points Basic: 1 point	STANDARDIZED ASSESSMENT: Advanced: 3 points Mastery: 2 points Basic: 1 point	STANDARDIZED ASSESSMENT: Advanced: 3 points Mastery: 2 points Basic: 1 point	STANDARDIZED ASSESSMENT: Advanced: 3 points Mastery: 2 points Basic: 1 point

TOPS UNIVERSITY
(College Diploma) Course Requirements
For Incoming Freshmen Beginning Fall 2014

English				
4 Units Required	Course Code	TOPS		Course Title
		4 Point Scale	5 Point Scale	
1 Unit	120331	✓		English I
	120617	✓		English Language Part 1: Cambridge IGCSE
	120619	✓		English Literature Part 1: Cambridge IGCSE
1 Unit	120332	✓		English II
	120618	✓		English Language Part 2: Cambridge IGCSE
	120620	✓		English Literature Part 2: Cambridge IGCSE
1 Unit	120333	✓		English III
	120329		✓	English III: Gifted
	120341		✓	English III: Honors
	120325		✓	English III: AP English Language and Composition
	120403		✓	English III: IB Literature
	120327		✓	English III: IB Language & Literature
	120404		✓	English III: IB Literature & Performance
	120601		✓	English III: DE - CENL 1013 English Composition I
	120602		✓	English III: DE - CENL 1023 English Composition II
	120603		✓	English III: DE - CENL 2153 American Literature I
	120604		✓	English III: DE - CENL 2163 American Literature II
	120605		✓	English III: DE - CENL 2173 Major American Writers
	120621		✓	English Language Part 1: Cambridge AICE - AS (Honors)
120623		✓	Literature in English Part 1: Cambridge AICE - AS (Honors)	
1 Unit	120334	✓		English IV
	120330		✓	English IV: Gifted
	120342		✓	English IV: Honors
	120326		✓	English IV: AP English Literature and Composition
	120405		✓	English IV: IB Literature
	120328		✓	English IV: IB Language & Literature
	120406		✓	English IV: IB Literature & Performance
	120622		✓	English Language Part 2: Cambridge AICE - AS (Honors)
	120624		✓	Literature in English Part 2: Cambridge AICE - AS (Honors)
	120606		✓	English IV: DE - CENL 1013 English Composition I
	120607		✓	English IV: DE - CENL 1023 English Composition II
	120608		✓	English IV: DE - CENL 2103 British Literature I
	120609		✓	English IV: DE - CENL 2113 British Literature II
	120610		✓	English IV: DE - CENL 2123 Major British Writers
	120611		✓	English IV: DE - CENL 2203 World Literature I
	120612		✓	English IV: DE - CENL 2213 World Literature II
	120613		✓	English IV: DE - CENL 2223 Major World Writers
	120614		✓	English IV: DE - CENL 2303 Introduction to Fiction
	120615		✓	English IV: DE - CENL 2323 Introduction to Literature
120616		✓	English IV: DE - CENL 2313 Introduction to Poetry and/or Drama	
120825		✓	English IV: DE - CENL 2403 Introduction to African American Literature	

Mathematics

4 Units Required	Course Code	TOPS		Course Title
		4 Point Scale	5 Point Scale	
1 Unit	160321	✓		Algebra
1 Unit	160323	✓		Geometry
1 Unit	160322	✓		Algebra II
Note: Integrated mathematics I, II, and III, including the Cambridge IGCSE integrated mathematics sequence, may be substituted for the Algebra I, Geometry, and Algebra II sequence.				
1 Unit	160375	✓		Algebra III
	160508		✓	Additional Math - Cambridge IGCSE
	160500		✓	Algebra III: DE - CMAT 1213 College Algebra
	160347	✓		Advanced Math - Functions and Statistics
	160349	✓		Probability and Statistics
	165031	✓		Statistical Reasoning
	160367		✓	Probability and Statistics: Honors
	160352		✓	Probability and Statistics: AP Statistics
	160509		✓	Math 1 (Probability and Statistics): Cambridge AICE (Honors)
	160356		✓	Probability and Statistics: DE- CMAT 1303 Introductory Statistics
	160346	✓		Advanced Math - Pre-Calculus
	160501		✓	Adv Math-Pre Calc: DE- CMAT 1223 Trigonometry
	160348	✓		Pre-Calculus
	160372		✓	Pre-Calculus: Gifted
	160366		✓	Pre-Calculus: Honors
	160329		✓	Pre-Calculus: AP Pre-Calculus
	160365		✓	Pre-Calculus: IB Math Studies I
	160369		✓	Pre-Calculus: IB Math Studies II
	160502		✓	Pre-Calculus: DE - CMAT 1233 or (CMAT 1213 & 1223) Algebra and Trigonometry
	160510		✓	Math 1 (Pure Math): Cambridge AICE - AS (Honors)
	160326	✓		Calculus
	160368		✓	Calculus: Honors
	160357		✓	Calculus I: Gifted
	160358		✓	Calculus II: Gifted
	160511		✓	Math 2 Part 1: Cambridge AICE - A Level (Honors)
	160512		✓	Math 2 Part 2: Cambridge AICE - A Level (Honors)
	160327		✓	Calculus: AP Calculus AB
	160328		✓	Calculus: AP Calculus BC
	160359		✓	Calculus: IB Mathematics SL I
	160370		✓	Calculus: IB Mathematics SL II
	160360		✓	Calculus: IB Mathematics HL I
	160371		✓	Calculus: IB Mathematics HL II
	160504		✓	Calculus: DE - CMAT 2103 Applied Calculus
160498		✓	Calculus: DE - CMAT 2113 Differential Calculus I	
160499		✓	Calculus: DE - CMAT 2116 Integral Calculus I	
160506		✓	Calculus: DE - CMAT 2113-5 Calculus I	
160507		✓	Calculus: DE - CMAT 2123-5 Calculus II	
160355		✓	Calculus: IB Further Mathematics	
061175		✓	AP Computer Science A ¹	

¹ AP Computer Science A shall be used as either an elective, a math, or foreign language credit.

Science

4 Units Required	Course Code	TOPS		Course Title
		4 Point Scale	5 Point Scale	
1 Unit	150301	✓		Biology I
	150321		✓	Biology I: DE - C BIO 1013 General Biology I
	150322		✓	Biology I: DE - C BIO 1033 General Biology I (Sci Majors)
1 Unit	150401	✓		Chemistry I
	150400		✓	Chemistry I: Honors
	150412		✓	Chemistry I: Gifted
	150413		✓	Chemistry I: DE - CCEM 1013 General Chemistry Survey I
	150414		✓	Chemistry I: DE - CCEM 1103 Chemistry I
	150415		✓	Chemistry I: DE - CCEM 1123 Chemistry I (Sci Majors)
2 Units from the following. No more than one course from each unit grouping will count towards the two unit requirement.				
1 Unit	150302	✓		Biology II
	150327		✓	Biology II: Gifted
	150307		✓	Biology II: AP Biology
	150305		✓	Biology II: IB Biology I
	150308		✓	Biology II: IB Biology II
	149993		✓	Biology II: Cambridge AICE - AS (Honors)
	150323		✓	Biology II: DE - C BIO 1013 General Biology I
	150324		✓	Biology II: DE - C BIO 1033 General Biology I (Sci Majors)
	150325		✓	Biology II: DE - C BIO 1023 General Biology II
	150326		✓	Biology II: DE - C BIO 1043 General Biology II (Sci Majors)
	150303		✓	Biology II: Honors
	150334	✓		Human Anatomy & Physiology
	150330		✓	Anatomy: DE - C BIO 2213 Human Anatomy & Physiology I
	150331		✓	Anatomy: DE - C BIO 2214 Human Anatomy & Physiology I (Lec/Lab)
	150332		✓	Anatomy: DE - C BIO 2223 Human Anatomy & Physiology II
150333		✓	Anatomy: DE - C BIO 2224 Human Anatomy & Physiology II (Lec/Lab)	
149995		✓	Microbiology: DE- BIOL 2102 - General Microbiology	
1 Unit	150402	✓		Chemistry II
	150416		✓	Chemistry II: Gifted
	150410		✓	Chemistry II: AP Chemistry
	150423		✓	Chemistry II: IB Chemistry I
	150411		✓	Chemistry II: IB Chemistry II
	150425		✓	Chemistry II: Cambridge AICE - AS (Honors)
	150417		✓	Chemistry II: DE - CCEM 1003 General, Organic and Biochemistry
	150418		✓	Chemistry II: DE - CCEM 1013 General Chemistry Survey I
	150419		✓	Chemistry II: DE - CCEM 1103 Chemistry I
	150420		✓	Chemistry II: DE - CCEM 1123 Chemistry I (Sci Majors)
	150421		✓	Chemistry II: DE - CCEM 1113 Chemistry II
	150422		✓	Chemistry II: DE - CCEM 1133 Chemistry II (Sci Majors)
150424		✓	Chemistry II: Honors	
150505		✓	Organic Chemistry: DE - CCEM 2213 - Organic Chemistry I	
1 Unit	150901	✓		Earth Science
	150909		✓	Earth Science: DE - CGEO 1103 Physical Geology
	150910		✓	Earth Science: DE - CGEO 1113 Historical Geology
1 Unit	150310	✓		Environmental Science
	312093	✓		Environmental Awareness
	150328		✓	Environmental Science: Honors
	150913		✓	Environmental Science: Gifted
	150914		✓	Environmental Science: DE - CEVS 1103 Environmental Science
1 Unit	150311		✓	Environmental Science: AP Environmental Science
	150312		✓	Environmental Science: IB Environmental Systems
1 Unit	150802	✓		Physical Science
	150915		✓	Physical Science: DE - CPHY 1023 Physical Science I
	110810	✓		Principles of Engineering
	110864	✓		(LSU Partnership) Principles of Engineering
	080109	✓		PLTW Principles of Engineering

Science

4 Units Required	Course Code	TOPS		Course Title
		4 Point Scale	5 Point Scale	
1 Unit	010302	✓		Agriscience II ²
1 Unit	150000 or 150700	✓		Physics I
	150699		✓	Physics: Honors
	150705		✓	Physics: Gifted
	149997	✓		Physics I: Cambridge IGCSE
	150724		✓	Physics: AP Physics I - Algebra Based
	150703		✓	Physics: IB Physics I
1 Unit	150725		✓	Physics: AP Physics II - Algebra Based
	150794		✓	Physics: AP Physics C - Electricity and Magnetism
	150795		✓	Physics: AP Physics C - Mechanics
	150704		✓	Physics: IB Physics II
	149999		✓	Physics II: Cambridge AICE - AS (Honors)
	150726		✓	Physics: DE - CPHY 2113 Physics I (Algebra/Trig Based)
	150727		✓	Physics: DE - CPHY 2114 Physics I (Lecture and Lab)
	150728		✓	Physics: DE - CPHY 2133 Physics I (Calculus Based)

² Agriscience I is a prerequisite for Agriscience II and is an elective course.

Social Studies

4 Units Required	Course Code	TOPS		Course Title
		4 Point Scale	5 Point Scale	
1 Unit	220403	✓		U.S. History
	220409		✓	U.S. History: Honors
	220406		✓	U.S. History: Gifted
	220404		✓	AP U.S. History
	220405		✓	IB History of the Americas I
	220407		✓	U.S. History: DE - CHIS 2013 American History I
	220408		✓	U.S. History: DE - CHIS 2023 American History II
1 Unit	220502	✓		American Government
	220505		✓	Government: Honors
	220513		✓	Government: Gifted
	220501	✓		Civics (1st semester)
	220504	✓		Civics (2nd semester)
	220604		✓	Government: AP Government and Politics: Comparative
	220503		✓	Government: AP Government and Politics: United States
	220514		✓	Government: DE - CPOL 2013 Introduction to American Govt
	220515		✓	Government: DE - CPOL 2113 Introduction to State & Local Govt
220516		✓	Government: DE - CPOL 2213 Introduction to Comparative Govt	
2 Units from the following: No more than one course from each unit grouping will count towards the two unit requirement.				
1 Unit	220402	✓		Western Civilization
	220446		✓	Western Civilization: DE - CHIS 1013 Western Civilization I
	220447		✓	Western Civilization: DE - CHIS1023 Western Civilization II
	220410	✓		European History
	220449		✓	European History: Gifted
	220412		✓	European History: AP European History
	220453		✓	History (European): Cambridge AICE - AS (Honors)
1 Unit	220300	✓		World Geography
	220315		✓	World/Human Geography: Gifted
	220310		✓	World Geography: AP Human Geography
	220311		✓	World Geography: IB Geography
	220453		✓	Geography: Cambridge AICE - AS (Honors)
	220312		✓	World Geography: DE - CGRG 2113 World Regional Geography or DE- CGRC 2213 Physical Geography
1 Unit	220401	✓		World History
	220400		✓	World History: Honors
	220413		✓	World History: AP World History
	220414		✓	World History: IB World History
	220411		✓	World History: IB History of the America II
	220450		✓	World History: DE - CHIS 1113 World Civilization I
	220451		✓	World History: DE - CHIS 1123 World Civilization II
	220454		✓	History (International) : Cambridge AICE - AS (Honors)
1 Unit	222009	✓		History of Religion
	222013		✓	History of Religion: DE - CPHL 2213 World Religions
1 Unit	220201	✓		Economics
	220606		✓	Economics: Gifted
	220603		✓	Economics: AP Macroeconomics
	220605		✓	Economics: AP Microeconomics
	220610		✓	Economics: IB Economics
	220517		✓	Economics: Cambridge AICE - AS (Honors)
	220202		✓	Economics: DE - CECN 2113 Economic Principles
	220608		✓	Economics: DE - CECN 2213 Macroeconomics
	220609		✓	Economics: DE - CECN 2223 Microeconomics
1 Unit	222004		✓	Psychology: AP Psychology
	225011		✓	Psychology: DE - CPSY 2013 Intro to Psychology ³

³For Fall 2022 graduates and thereafter.

Social Studies

4 Units Required	Course Code	TOPS		Course Title
		4 Point Scale	5 Point Scale	
1 Unit	220512	✓		African-American History ⁴
	220511		✓	African-American History: DE – CHIS 2103 African American History ⁴

⁴ For Spring 2022 graduates and thereafter.

Foreign Language

2 Units Required	Course Code	TOPS		Course Title
		4 Point Scale	5 Point Scale	
2 Units	123501	✓		Arabic I
	123502	✓		Arabic II
	123503	✓		Arabic III
	123504	✓		Arabic IV
	123507		✓	Arabic: IB Language ab initio
	123508		✓	Arabic: IB Language B
	123505		✓	Arabic: DE - CARB 1013/1014 Elementary Arabic I
	123506		✓	Arabic: DE - CARB 1023/1024 Elementary Arabic II
2 Units	121001	✓		French I
	121002	✓		French II
	121003	✓		French III
	121004	✓		French IV
	121009		✓	French III: Gifted
	121010		✓	French IV: Gifted
	121006		✓	French: AP French Language and Culture
	121007		✓	French: IB Language ab initio
	121008		✓	French: IB Language B
	120999		✓	French: Cambridge AICE - AS (Honors)
	121011		✓	French: DE - CFRN 1013/1014 Elementary French I
	121012		✓	French: DE - CFRN 1023/1024 Elementary French II
	121013		✓	French: DE - CFRN 2013/2014 Intermediate French I
	121014		✓	French: DE - CFRN 2023 Intermediate French II
2 Units	121101	✓		German I
	121102	✓		German II
	121103	✓		German III
	121104	✓		German IV
	121107		✓	German III: Gifted
	121108		✓	German IV: Gifted
	121106		✓	German: AP German Language and Culture
	121113		✓	German: IB Language ab initio
	121114		✓	German: IB Language B
	120115		✓	German: Cambridge AICE - AS (Honors)
	121109		✓	German: DE - CGRM 1013/1014 Elementary German I
	121110		✓	German: DE - CGRM 1023/1024 Elementary German II
	121111		✓	German: DE / CGRM 2013 Intermediate German I
121112		✓	German: DE / CGRM 2023 Intermediate German II	
2 Units	121601	✓		Latin I
	121602	✓		Latin II
	121603	✓		Latin III
	121604	✓		Latin IV
	121607		✓	Latin III: Gifted
	121608		✓	Latin IV: Gifted
	121606		✓	Latin: AP Latin
	121613		✓	Latin: IB Classical Language
	121609		✓	Latin: DE - CLTN 1013/1014 Elementary Latin I
	121610		✓	Latin: DE - CLTN 1023/1024 Elementary Latin II
	121611		✓	Latin: DE - CLTN 2013 Intermediate Latin I
	121612		✓	Latin: DE - CLTN 2023 Intermediate Latin II
2 Units	122501	✓		Spanish I
	122502	✓		Spanish II
	122503	✓		Spanish III
	122504	✓		Spanish IV
	122509		✓	Spanish III: Gifted
	122510		✓	Spanish IV: Gifted
	122506		✓	Spanish: AP Spanish Language and Culture

Foreign Language

2 Units Required	Course Code	TOPS		Course Title
		4 Point Scale	5 Point Scale	
	122507		✓	Spanish: IB Language ab initio
	122508		✓	Spanish: IB Language B
	122498		✓	Spanish: IB Spanish IV
	122499		✓	Spanish: IB Spanish V
	122600		✓	Spanish: Cambridge AICE - AS (Honors)
	122601		✓	Spanish Literature: Cambridge AICE - AS (Honors)
	122511		✓	Spanish: DE - CSPN 1013/1014 Elementary Spanish I
	122512		✓	Spanish: DE - CSPN 1023/1024 Elementary Spanish II
	122513		✓	Spanish: DE - CSPN 2013/2014 Intermediate Spanish I
122514		✓	Spanish: DE - CSPN 2023 Intermediate Spanish II	
2 Units	123101	✓		Chinese I
	123102	✓		Chinese II
	123103	✓		Chinese III
	123104	✓		Chinese IV
	123108		✓	Chinese III: Gifted
	123109		✓	Chinese IV: Gifted
	123106		✓	Chinese: AP Chinese Language and Culture
	123110		✓	Chinese: IB Language ab initio
	123107		✓	Chinese: IB Language B
123124		✓	Chinese: Cambridge AICE - AS (Honors)	
2 Units	121401	✓		Italian I
	121402	✓		Italian II
	121403	✓		Italian III
	121404	✓		Italian IV
	121407		✓	Italian III: Gifted
	121408		✓	Italian IV: Gifted
	121406		✓	Italian: AP Italian Language and Culture
	121409		✓	Italian: IB Language ab initio
	121410		✓	Italian: IB Language B
2 Units	121501	✓		Japanese I
	121502	✓		Japanese II
	121503	✓		Japanese III
	121504	✓		Japanese IV
	121506		✓	Japanese III: Gifted
	121507		✓	Japanese IV: Gifted
	121505		✓	Japanese: AP Japanese Language and Culture
	121508		✓	Japanese: IB Language ab initio
	121509		✓	Japanese: IB Language B
	121510		✓	Japanese: Cambridge AICE - AS (Honors)
2 Units	121200	✓		Hindi I
	121201	✓		Hindi II
	121202	✓		Hindi III
	121203	✓		Hindi IV
2 Units	121700	✓		Portuguese I
	121701	✓		Portuguese II
	121702	✓		Portuguese III
	121703	✓		Portuguese IV
2 Units	123520	✓		Vietnamese I
	123521	✓		Vietnamese II
	123522	✓		Vietnamese III
	123523	✓		Vietnamese IV
2 Units	123530	✓		Korean I
	123531	✓		Korean II
	123532	✓		Korean III
	123533	✓		Korean IV

Foreign Language

2 Units Required	Course Code	TOPS		Course Title
		4 Point Scale	5 Point Scale	
2 Units	122001	✓		Russian I
	122002	✓		Russian II
	122003	✓		Russian III
	122004	✓		Russian IV
2 Units	123301	✓		Hebrew I
	123302	✓		Hebrew II
	123303	✓		Hebrew III
	123304	✓		Hebrew IV
2 Units	123201	✓		Greek I
	123202	✓		Greek II
	123203	✓		Greek III
	123204	✓		Greek IV
2 Units	123456	✓		American Sign Language I
	123457	✓		American Sign Language II
2 Units	121150	✓		Indigenous Language I
	121151	✓		Indigenous Language II
2 Units	061175		✓	AP Computer Science A ⁵
	061102	✓		Computer Science ⁵
2 Units	121300	✓		Computer Coding as a Foreign Language I ⁶
	121301	✓		Computer Coding as a Foreign Language II ⁶

⁵ For Fall grade 9 entry 2023-2024 students graduating in 2026-2027 and thereafter. AP Computer Science A may be used as either an elective, a math, or foreign language credit.

⁶ For Fall grade 9 entry 2023-2024 graduating in 2026-2027 and thereafter. Computer Coding as a Foreign Language shall be aligned to a coding language approved by the Louisiana Workforce Commission to the Industry Based Certification State Focus List.

Art

1 Unit Required	Course Code	TOPS		Course Title
		4 Point Scale	5 Point Scale	
1 Unit	030501	✓		Art I
	030502	✓		Art II
	030503	✓		Art III
	030504	✓		Art IV
	110560	✓		Art: Drafting
	030596		✓	Art History: Gifted
	030597		✓	Art: AP Art History
	030595		✓	Art History: DE - CART 2103 Art History I
	030594		✓	Art History: DE- CART 2113 Art History II
	030514		✓	Studio Art Design: Talented Visual Arts I
	030515		✓	Studio Art Design: Talented Visual Arts II
	030516		✓	Studio Art Design: Talented Visual Arts III
	030517		✓	Studio Art Design: Talented Visual Arts IV
	030520		✓	Studio Art Design: DE - CART 1113 Art Structure/2-D Design
	030521		✓	Studio Art Drawing: DE - CART 2203 Beginning Drawing
	030509		✓	Art: AP Studio Art: 2-D Design
	030508		✓	Art: AP Studio Art: 3-D Design
	030519		✓	Art: AP Studio Art: Drawing
	030522		✓	Art: IB Visual Arts
	030360	✓		Applied Music
	030300	✓		Beginning Band
	190110	✓		Marching Band
	030310	✓		Beginning Choir
	030353	✓		Sectional Rehearsal
	030361	✓		Studio Piano I
	030362	✓		Studio Piano II
	030363	✓		Studio Piano III
	030480	✓		Studio Strings I
	030481	✓		Studio Strings II
	030482	✓		Studio Strings III
	030301	✓		Intermediate Band
	030311	✓		Intermediate Choir
	030439		✓	Music: Talented Choir: Intermediate
	030302	✓		Advanced Band
	030312	✓		Advanced Choir
	030440		✓	Music: Talented Choir: Advanced
	030320	✓		Beginning Orchestra
	030321	✓		Intermediate Orchestra
	030459		✓	Music: Talented Orchestra: Intermediate
	030322	✓		Advanced Orchestra
	030460		✓	Music: Talented Orchestra: Advanced
	030313	✓		Small Voice Ensemble
030449		✓	Music: Talented Small Voice Ensemble II	
030303	✓		Wind Ensemble	
030304	✓		Jazz Ensemble	
030352	✓		Guitar Class	
030350	✓		Piano Class	
030341	✓		Music Theory I	
030342	✓		Music Theory II	
030318	✓		Music and Media	
030319	✓		Music and Technology	
030371		✓	Music: Talented Music I	
030372		✓	Music: Talented Music II	
030373		✓	Music: Talented Music III	

Art

1 Unit Required	Course Code	TOPS		Course Title
		4 Point Scale	5 Point Scale	
	030374		✓	Music: Talented Music IV
	030365		✓	Music: IB Music I
	030366		✓	Music: IB Music II
	030332	✓		Fine Arts Survey
	030364		✓	Fine Arts Survey: AP Music Theory
	030590		✓	Fine Arts Survey: DE - CMUS 1013 Music Appreciation
	030591		✓	Fine Arts Survey: DE - CDNC 1013 Dance Appreciation
	030592		✓	Fine Arts Survey: DE - CART 1023 Introduction to Visual Arts
	030593		✓	Fine Arts Survey: DE - CART 1013 Exploring the Arts
	030600	✓		Dance I
	030621	✓		Dance II
	030631	✓		Dance III
	030641	✓		Dance IV
	030719		✓	Dance: IB Dance
	030700	✓		Theatre I
	030721	✓		Theatre II
	030731	✓		Theatre III
	030741	✓		Theatre IV
	030701	✓		Technical Theatre
	030702	✓		Theatre Design and Technology
	030710		✓	Theatre: Talented Theatre I
	030711		✓	Theatre: Talented Theatre II
	030712		✓	Theatre: Talented Theatre III
	030713		✓	Theatre: Talented Theatre IV
	030718		✓	Theatre: IB Theatre
	030709		✓	Theatre: Talented Introduction to Film Studies
	030706		✓	Theatre: IB Film Study I
	030707		✓	Theatre: IB Film Study II
	030708		✓	Theatre: IB Film Study III
	030715		✓	Theatre: DE - CTHE 2103 Acting I
	030716		✓	Theatre: DE - CTHE 2113 Acting II
	030717		✓	Theatre: DE - CTHE 1013 Introduction to Theatre
	030810	✓		Media Arts I
	030820	✓		Media Art II
	030830	✓		Media Arts III
	030840	✓		Media Arts IV
	312400	✓		Photography I
	312405	✓		Photography II
	312414	✓		Digital Photography
	040241	✓		Digital Storytelling (LSU Partnership)
	080020	✓		Sound Design (LSU Partnership)
	080021	✓		Digital Image and Motion Graphics (LSU Partnership)
	110860	✓		Engineering Design and Development
	110861	✓		Engineering Design and Development (LSU Partnership)
	051103	✓		Speech III ⁷
	051104	✓		Speech IV ⁷

⁷ Speech III and IV (1 Unit Combined).

Physical Education

1.5 Units Required	Course Code	TOPS		Course Title
		4 Point Scale	5 Point Scale	
1 Unit	190105	✓		Physical Education I
	190100	✓		Adapted Physical Education I ⁸
	170001	✓		JROTC I ⁹
	170002	✓		JROTC II
	170003	✓		JROTC III
	170004	✓		JROTC IV
½ Unit	190106	✓		Physical Education II
	190097	✓		Adapted Physical Education II
	170001	✓		JROTC I
	170002	✓		JROTC II
	170003	✓		JROTC III
	170004	✓		JROTC IV
	190110	✓		Marching Band
	190113	✓		Extracurricular Sports
	190111	✓		Cheerleading
	190112	✓		Dance Team

Health Education

.5 Units Required	Course Code	TOPS		Course Title
		4 Point Scale	5 Point Scale	
½ Unit	190500	✓		Health Education
2 Units	170001	✓		JROTC I ⁹
	170002	✓		JROTC II

Electives¹⁰

2 Units ¹⁰ Required	Course Code	TOPS		Course Title
		4 Point Scale	5 Point Scale	
2 Units	Electives			

Financial Literacy¹¹

1 Unit Required ¹¹	Course Code	TOPS		Course Title
		4 Point Scale	5 Point Scale	
1 Unit	160345	✓		Financial Literacy

TOPS University Diploma Minimum Course Requirements

Total 24 Units

⁸ Adapted physical education restricted to eligible special education student

⁹ In schools having approved Junior Reserve Officer Training Corps (JROTC) training, credits may, at the option of the local school board, be substituted for the required credits in physical education and JROTC I and II may be used to meet the health education requirement provided the following requirements are met. A minimum of 2000 minutes of instructional time shall be devoted to health education in JROTC I and in JROTC II. Students must take both JROTC I and JROTC II to meet the health education requirement. All of the standards and GLEs for health shall be covered in JROTC I and JROTC II. JROTC I and JROTC II shall include instruction in CPR, automated external defibrillators, and content relative to dating violence as required by state law

¹⁰ For Fall grade 9 entry 2024-2025 and thereafter, 2 electives are required. For grade 9 entry prior to 2024-2025, 3 electives are required.

¹¹ For Fall grade 9 entry 2024-2025 and thereafter, financial literacy is required. For grade 9 entry prior to 2024-2025, financial literacy is not required.



TOPS Tech
(Career Diploma) Course Requirements
For Incoming Freshmen Beginning Fall 2014

English				
4 Units Required	Course Code	TOPS		Course Title
		4 Point Scale	5 Point Scale	
1 Unit	120331	✓		English I
	120617	✓		English Language Part 1: Cambridge IGCSE
	120619	✓		English Literature Part 1: Cambridge IGCSE
1 Unit	120332	✓		English II
	120618	✓		English Language Part 2: Cambridge IGCSE
	120620	✓		English Literature Part 2: Cambridge IGCSE
2 Units from the following:				
No more than one course from each unit grouping will count towards the two unit requirement.				
2 Units	120336	✓		Business English
	120350	✓		Technical Writing
	120333	✓		English III
	120341		✓	English III: Honors
	120329		✓	English III: Gifted and Talented
	120325		✓	English III: AP English Language Arts and Composition
	120403		✓	English III: IB Literature
	120327		✓	English III: IB Language & Literature
	120404		✓	English III: IB Literature & Performance
	120601		✓	English III: DE - CENL 1013 English Composition I
	120602		✓	English III: DE - CENL 1023 English Composition II
	120603		✓	English III: DE - CENL 2153 American Literature I
	120604		✓	English III: DE - CENL 2163 American Literature II
	120605		✓	English III: DE - CENL 2173 Major American Writers
	120621		✓	English Language Part 1: Cambridge AICE - AS (Honors)
	120623		✓	Literature in English Part 1: Cambridge AICE - AS (Honors)
	120334	✓		English IV
	120342		✓	English IV: Honors
	120330		✓	English IV: Gifted and Talented
	120326		✓	English IV: AP English Literature and Composition
	120405		✓	English IV: IB Literature
	120328		✓	English IV: IB Language & Literature
	120406		✓	English IV: IB Literature & Performance
	120622		✓	English Language Part 2: Cambridge AICE - AS (Honors)
	120624		✓	Literature in English Part 2: Cambridge AICE - AS (Honors)
	120606		✓	English IV: DE - CENL 1013 English Composition I
	120607		✓	English IV: DE - CENL 1023 English Composition II
	120608		✓	English IV: DE - CENL 2103 British Literature I
	120609		✓	English IV: DE - CENL 2113 British Literature II
	120610		✓	English IV: DE - CENL 2123 Major British Writers
	120611		✓	English IV: DE - CENL 2203 World Literature I
120612		✓	English IV: DE - CENL 2213 World Literature II	
120613		✓	English IV: DE - CENL 2223 Major World Writers	
120614		✓	English IV: DE - CENL 2303 Introduction to Fiction	
120615		✓	English IV: DE - CENL 2323 Introduction to Literature	

	120616		✓	English IV: DE - CENL 2313 Introduction to Poetry and/or Drama
Note: Or comparable Louisiana technical college courses offered by Jump Start regional teams as approved by BESE				

Mathematics				
4 Units Required	Course Code	TOPS		Course Title
		4 Point Scale	5 Point Scale	
1 Unit	160321	✓		Algebra ¹
	160331	✓		Applied Algebra I
	160338	✓		Algebra I, Part 2 ²
1 Unit	160323	✓		Geometry ³
	160332	✓		Applied Geometry ³
1 Unit	160345	✓		Financial Literacy ⁴
1 Unit from the following:				
1 Units	160322	✓		Algebra II ¹
	160351	✓		Math Essentials
	165040	✓		Transition to College Mathematics
	040307	✓		Business Math
	165031	✓		Statistical Reasoning
	160375	✓		Algebra III
	160508	✓		Additional Math - Cambridge IGCSE
	160500		✓	Algebra III: DE - CMAT 1213 College Algebra
	160347	✓		Advanced Math - Functions and Statistics
	160346	✓		Advanced Math - Pre-Calculus
	160501		✓	Adv Math-Pre Calc: DE - CMAT 1223 Trigonometry
	160348	✓		Pre-Calculus
	160365		✓	Pre-Calculus: IB Math Studies I
	160502		✓	Pre-Calculus: DE - CMAT 1233 Algebra and Trigonometry
	160366		✓	Pre-Calculus: Honors
	160349	✓		Probability and Statistics
160510		✓	Math 1 (Pure Math): Cambridge AICE - AS (Honors)	
Note: Or comparable Louisiana Technical College courses offered by Jump Start regional teams as approved by the State Board of Elementary and Secondary Education.				

¹ Integrated Mathematics I, Integrated Mathematics II, and Integrated Mathematics III may be substituted for Algebra I, Geometry, and Algebra II.

² The elective course Algebra I - Part 1 is a prerequisite.

³ For Fall grade 9 entry 2023-2024 and thereafter, Geometry is required. For grade 9 entry prior to 2023-2024, students must take three additional Math courses of which Geometry is an option.

⁴ For Fall grade 9 entry 2024-2025 and thereafter, Financial Literacy is required. For grade 9 entry prior to 2024-2025, students must take four units of math, of which Financial Math is an option.

Science

2 Units Required	Course Code	TOPS		Course Title
		4 Point Scale	5 Point Scale	
1 Unit	150301	✓		Biology I
	150321		✓	Biology I: DE - CBIO 1013 General Biology I
	150322		✓	Biology I: DE - CBIO 1033 General Biology I (Sci Majors)
1 Unit	150401	✓		Chemistry I
	150412		✓	Chemistry I: Gifted and Talented
	150413		✓	Chemistry I: DE - CCEM 1013 General Chemistry Survey I
	150414		✓	Chemistry I: DE - CCEM 1103 Chemistry I
	150415		✓	Chemistry I: DE - CCEM 1123 Chemistry I (Sci Majors)
	150400		✓	Chemistry I: Honors
	150901	✓		Earth Science
	150909		✓	Earth Science: DE - CGEO 1103 Physical Geology
	150910		✓	Earth Science: DE - CGEO 1113 Historical Geology
	150310	✓		Environmental Science
	150913		✓	Environmental Science: Gifted and Talented
	150311		✓	Environment Science: AP Environmental Science
	150312		✓	Environmental Science: IB Environmental Systems
	150914		✓	Environmental Science: DE - CEVS 1103 Environmental Science
	150328		✓	Environmental Science: Honors
	150802	✓		Physical Science
	150915		✓	Physical Science: DE - CPHY 1023 Physical Science I
	110810	✓		Principles of Engineering
	110864	✓		(LSU Partnership) Principles of Engineering
	080109	✓		PLTW Principles of Engineering
	010302	✓		Agriscience II ⁵
	150307		✓	Biology II: AP Biology
	150305		✓	Biology II: IB Biology I
	150308		✓	Biology II: IB Biology II
	149993		✓	Biology II: Cambridge AICE - AS (Honors)
	150410		✓	Chemistry II: AP Chemistry
	150423		✓	Chemistry II: IB Chemistry I
	150411		✓	Chemistry II: IB Chemistry II
	150425		✓	Chemistry II: Cambridge AICE - AS (Honors)
	150000	✓		Physics I
	149997	✓		Physics I: Cambridge IGCSE
	149999		✓	Physics II: Cambridge AICE - AS (Honors)
	150724		✓	Physics: AP Physics I - Algebra Based
	150725		✓	Physics: AP Physics II - Algebra Based
150703		✓	Physics: IB Physics I	
150704		✓	Physics: IB Physics II	
150794		✓	Physics: AP Physics C - Electricity and Magnetism	
150795		✓	Physics: AP Physics C - Mechanics	

⁵ The elective course Agriscience I is a prerequisite.

Social Studies

2 Units Required	Course Code	TOPS		Course Title
		4 Point Scale	5 Point Scale	
1 Unit	220403	✓		U.S. History
	220409		✓	U.S. History: Honors
	220406		✓	U.S. History: Gifted
	220404		✓	AP U.S. History
	220405		✓	IB History of the Americas I
	220407		✓	U.S. History: DE - CHIS 2013 American History I
	220408		✓	U.S. History: DE - CHIS 2023 American History II
1 Unit	220502	✓		American Government
	220505		✓	Government: Honors
	220513		✓	Government: Gifted
	220501	✓		Civics (1st semester)
	220504	✓		Civics (2nd semester)
	220604		✓	Government: AP Government and Politics: Comparative
	220503		✓	Government: AP Government and Politics: United States
	220514		✓	Government: DE - CPOL 2013 Introduction to American Govt
	220515		✓	Government: DE - CPOL 2113 Introduction to State & Local Govt
	220516		✓	Government: DE - CPOL 2213 Introduction to Comparative Govt

Physical Education

1.5 Units Required	Course Code	TOPS		Course Title
		4 Point Scale	5 Point Scale	
1 Unit	190105	✓		Physical Education I
	190100	✓		Adapted Physical Education I ⁶
	170001	✓		JROTC I ⁷
	170002	✓		JROTC II
	170003	✓		JROTC III
	170004	✓		JROTC IV
½ Unit	190106	✓		Physical Education II
	190097	✓		Adapted Physical Education II
	170001	✓		JROTC I
	170002	✓		JROTC II
	170003	✓		JROTC III
	170004	✓		JROTC IV
	190110	✓		Marching Band
	190113	✓		Extracurricular Sports
	190111	✓		Cheerleading
	190112	✓		Dance Team

Health Education

.5 Units Required	Course Code	TOPS		Course Title
		4 Point Scale	5 Point Scale	
½ Unit	190500	✓		Health Education
2 Units	170001	✓		JROTC I ⁸
	170002	✓		JROTC II

Electives

3 Units Required	Course Code	TOPS		Course Title
		4 Point Scale	5 Point Scale	
9 Units	Jump Start course sequence, workplace experiences and approved credentials (a minimum of one industry-based credential is required for graduation).			

TOPS TECH Diploma Minimum Course Requirements

Total 23 Units

⁶ Adapted physical education restricted to eligible special education students.

⁷ In schools having approved Junior Reserve Officer Training Corps (JROTC) training, credits may, at the option of the local school board, be substituted for the required credits in physical education.

⁸ JROTC I and II may be used to meet the health education requirement provided the following requirements are met. A minimum of 2000 minutes of instructional time shall be devoted to health education in JROTC I and in JROTC II. Students must take both JROTC I and JROTC II to meet the health education requirement. All of the standards and GLEs for health shall be covered in JROTC I and JROTC II. JROTC I and JROTC II shall include instruction in CPR, automated external defibrillators, and content relative to dating violence as required by state law.



TOPS Core Curriculum

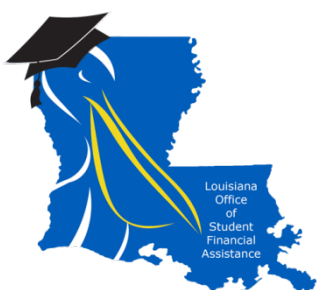
For the Opportunity, Performance and Honors Awards
For High School graduates of 2018 and thereafter

Units	Courses ¹
ENGLISH = 4 Units	
1 Unit	English I
1 Unit	English II
1 Unit from the following:	English III, AP English Language Arts and Composition, or IB English III (Language A or Literature and Performance)
1 Unit from the following:	English IV, AP English Literature and Composition, or IB English IV (Language A or Literature and Performance)
MATH = 4 Units	
1 Unit	Algebra I
1 Unit	Geometry
1 Unit	Algebra II
1 Unit from the following:	Algebra III; Advanced Math - Functions and Statistics, Advanced Math - Pre-Calculus, Pre-Calculus, or IB Math Methods I (Mathematical Studies SL); Calculus, AP Calculus AB, or IB Math Methods II (Mathematics SL); AP Calculus BC; Probability and Statistics or AP Statistics; IB Further Mathematics HL; IB Mathematics HL
SCIENCE = 4 Units	
1 Unit	Biology I
1 Unit	Chemistry I
2 Units from the following:	Earth Science; Environmental Science; Physical Science; Agriscience I and Agriscience II (one unit combined); Chemistry II, AP Chemistry, or IB Chemistry II; AP Environmental Science or IB Environmental Systems; Physics I, AP Physics B, or IB Physics I; AP Physics C: Electricity and Magnetism, AP Physics C: Mechanics, or IB Physics II; AP Physics I and AP Physics II; Biology II, AP Biology, or IB Biology II
SOCIAL STUDIES = 4 Units	
1 Unit from the following:	U.S. History, AP U.S. History, or IB U.S. History
1 Unit from the following:	Civics, Government, AP U.S. Government and Politics: Comparative, or AP U.S. Government and Politics: United States
2 Units from the following:	Western Civilization, European History, or AP European History; World Geography, AP Human Geography, or IB Geography; World History, AP World History, or IB World History; History of Religion; IB Economics, Economics, AP Macroeconomics, or AP Microeconomics
FOREIGN LANGUAGE = 2 Units	
	Foreign Language, both units in the same language, which may also include the following AP and IB courses: AP Chinese Language and Culture, AP French Language and Culture, AP German Language and Culture, AP Italian Language and Culture, AP Japanese Language and Culture, AP Latin, AP Spanish Language and Culture, IB French IV, IB French V, IB Spanish IV, and IB Spanish V
ART = 1 Unit	
1 Unit from the following:	Performance course in Music, Dance or Theatre; Fine Arts Survey; Art I, II, III, and IV; Talented Art I, II, III, and IV; Talented Music I, II, III and IV; Talented Theater Arts I, II, III, and IV; Speech III and Speech IV (one unit combined); AP Art History; AP Studio Art: 2-D Design; AP Studio Art: 3-D Design; AP Studio Art: Drawing; AP Music Theory; IB Film Study I; IB Film Study II; IB Music I; IB Music II; IB Art Design III; IB Art Design IV; IB Theatre I or Drafting
TOTAL = 19 Units	
Please see reverse side for core (substitute) equivalents to the TOPS Core Curriculum	

Core Curriculum Course(s)	Recently Approved Equivalent (Substitute) Course(s)
Algebra I, Geometry, and Algebra II	Integrated Mathematics I, II and III
Art	Media Arts I - IV; Photography I, Photography II, and Digital Photography
Algebra III; Advanced Math - Functions and Statistics, Advanced Math - Pre-Calculus, Pre-Calculus, or Math Methods I IB (Mathematical Studies SL); Calculus, AP Calculus AB, or Math Methods II IB (Mathematics SL); AP Calculus BC; Probability and Statistics or AP Statistics; IB Further Mathematics HL; IB Mathematics HL	AP Computer Science A
Biology II	Human Anatomy and Physiology
Western Civilization, European History, or AP European History; World Geography, AP Human Geography, or IB Geography; World History, AP World History, or IB World History; History of Religion; IB Economics, Economics, AP Macroeconomics, or AP Microeconomics	AP Psychology
Foreign Language	Mandarin Chinese I-IV Hindi I – IV Portuguese I-IV Vietnamese I-IV

¹ **GIFTED COURSES:** Any core curriculum course that is taken by a student who has been identified as gifted pursuant to State Board of Elementary and Secondary Education (BESE) policy and that is taken in fulfillment of the student’s Individualized Education Plan shall be considered a “Gifted Course” and shall fulfill the core curriculum.

Beginning with students entering the 9th grade in 2014-2015 and graduating in the 2017-2018 school year and thereafter, the calculation of the TOPS Core Curriculum grade point average (GPA) will use a five- (5.00) point scale for grades earned in certain designated Advanced Placement (AP) courses; International Baccalaureate (IB) courses; Gifted courses; Dual Enrollment courses, Honors courses and Articulated courses offered for college credit by the Louisiana School for the Math, Science and the Arts used to complete the TOPS Core Curriculum. The courses currently designated to be calculated on the 5.00 point scale can be viewed at <https://www.osfa.la.gov/5scale>. For the designated courses, five quality points will be assigned to a letter grade of “A”, four quality points will be assigned to a letter grade of “B”, three quality points will be assigned to a letter grade of “C”, two quality points will be assigned to a letter grade of “D”, and zero quality points will be assigned to a letter grade of “F”. Note that students earning credit in courses graded on the five (5.00) point scale may earn a grade point average on the TOPS Core Curriculum that exceeds 4.00.



This core curriculum is accurate as of the date of publication and includes courses listed in TOPS statute.

Louisiana Office of Student Financial Assistance (LOSFA)
A program of the Board of Regents
P.O. Box 91202, Baton Rouge, LA 70821-9202
(800) 259-5626
custserv@la.gov
www.osfa.la.gov



Updated: 09/06/2017



TOPS Tech Core Curriculum

For the TOPS Tech Award – JumpStart Curriculum

For High School graduates of 2018 and thereafter

Students may also qualify for the TOPS Tech Award by completing the TOPS Core Curriculum for the Opportunity, Performance and Honors Awards

Units	Courses
1 Unit	English I
1 Unit	English II
2 Units	English III, English IV, AP or IB English courses, Business English, Technical Writing, or comparable Louisiana Technical College courses offered by Jump Start regional teams as approved by the State Board of Elementary and Secondary Education.
1 Unit	Algebra I; or both Algebra I, Part 1 and Algebra I, Part 2; or an applied or hybrid algebra course
3 Units	Geometry, Algebra II, Math Essentials, Financial Literacy, Business Math, Algebra III, Advanced Math -Functions and Statistics, Advanced Math - Pre-Calculus, Pre-calculus, or comparable Louisiana Technical College courses offered by Jump Start regional teams as approved by the State Board of Elementary and Secondary Education. Integrated Mathematics I, II, and III may be substituted for Algebra I, Geometry, and Algebra II, and shall equal three mathematics credits
1 Unit	Biology
1 Unit	Chemistry I, Earth Science, Environmental Science, Agriscience I and Agriscience II (both for one unit), Physical Science, Physics, or AP or IB science courses
1 Unit	U.S. History, AP U.S. History, or IB U.S. History
1 Unit	Civics, Government, AP U.S. Government and Politics: Comparative, or AP U.S. Government and Politics: United States
9 Units	In Jump Start course sequences, workplace experiences, and credentials. A student shall complete a regionally designed series of Career and Technical Education Jump Start coursework and workplace-based learning experiences leading to a statewide or regional Jump Start credential. This shall include courses and workplace experiences specific to the credential, courses related to foundational career skills requirements in Jump Start, and other courses, including career electives, that the Jump Start regional team determines are appropriate for the career major.
TOTAL: 21 units	



This core curriculum is accurate as of the date of publication and includes courses listed in TOPS statute and those determined to be equivalent by the La. Board of Regents and BESE.

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P.O. Box 91202, Baton Rouge, LA 70821-9202 Updated: 10/01/2018



Course Descriptions

Agricultural Science

Agricultural Mechanics I

Grades 10-12

Prerequisite: Agricultural Science II

This course provides an introduction to the fundamental principles and practices of agricultural mechanics, focusing on three key areas: small engines, electrical systems, and welding. Students will develop hands-on skills in the maintenance and repair of small engines, including troubleshooting, diagnostics, and basic overhauls. The electrical component covers essential wiring techniques, circuit design, and electrical safety within agricultural settings. Students will also gain practical experience in various welding processes, learning basic welding techniques and safety procedures. Emphasis is placed on applying these skills to real-world agricultural applications. Successful completion of this course prepares students to take the Louisiana Ag Mechanics certification exam.

Agricultural Mechanics II

Grades 10-12

Prerequisite: Agricultural Mechanics I

A continuation of Agricultural Mechanics I.

Agricultural Science I

Grades 9-12

Agricultural Science I is an intro-level course that allows students to apply their knowledge in the different fields of agricultural science. Students will be exposed to concepts and the application of horticulture, animal production, small engines, leadership, wildlife conservation, meat processing, agricultural economics, plant science, animal science and sales and services. This course will prepare the students for real work experiences. Students interested in agricultural and science careers should take this course.

Agricultural Science II

Grades 9-12

Prerequisite: Agricultural Science I

Agricultural Science II is a mid-level course that allows students to apply their knowledge in the different fields of agricultural science. Students will be exposed to concepts and the application of horticulture, animal production, small engines, leadership, wildlife conservation, meat processing, agricultural economics, plant science, animal science and sales and services. This course will prepare students for real work experiences. Students interested in agricultural and science careers should take this course.

Agricultural Science III

Grades 9-12

Prerequisite: Agricultural Science II

Certification opportunity: Agriculture Technician

Agricultural Science III is an advanced-level course that allows students to apply their knowledge in the different fields of agricultural science. Students will be exposed to concepts and the application of horticulture, animal production, small engines, leadership, wildlife conservation, meat processing, agricultural economics, plant science, animal science and sales and services. This course will prepare students for real work experiences. Students interested in agricultural and science careers should take this course.

Business Education

Advanced Fundamentals of HTML, CSS, and Javascript

Grades 11-12

A continuation of Fundamentals of HTML, CSS, and Javascript

Business Computer Applications

Grade 9-12

Prerequisite: IBCA

Business Computer Applications (BCA) is an advanced elective designed to expose students to Microsoft Office Excel. Students will be exposed to basic Excel and practice real skills for real jobs. Students interested in Accounting, Business Management, Finance, Retail, and Entrepreneurship should take this course.

Business Law

Grade 11-12

Business law introduces students to the fundamental legal concepts that affect businesses and how they operate. Topics include contracts, consumer protection, real estate and property rights, employment law, and the structures of businesses, as well as a general survey of the legal system and its procedures. The course also provides an introduction to important practical skills, including the basics of negotiation; writing agreements; and reading and interpreting a financial statement.

CIW Internet Business Associate

Grade 9-12

Certification Opportunity: Internet Business Associate

Internet Business Associate prepares students to work effectively in today's business environment. In this course, students will learn about the tasks involved in various Information Technology (IT) job roles, and explore career opportunities in the IT industry. Students will also learn about Internet connection methods, Internet protocols, the Domain Name System (DNS), cloud computing and mobile devices. Students will study the basic functions of Web browsers, the components of Web addresses and browser use in the business world. Students will learn how browser plug-ins and add-ons can improve your Web-browsing experience, and students will use browsers to download and manage files. Also, other important knowledge includes how databases work as they relate to Web search engines, using search engines to conduct basic and advanced web searches, and understanding privacy and personal information on the Internet. Finally, students will study the fundamental elements of project and program management, and the importance of acquiring these skills for all IT job roles.

CIW Site Development Associate

Grade 9-12

Prerequisites: *CIW Internet Business Associate, CIW Network Technology Associate*

Certification Opportunity: *Site Development Associate*

The CIW Site Development Associate certification program focuses on essential Web page development skills. This certification validates how to develop Web sites using Hypertext Markup Language version 5 (HTML5) and Cascading Style Sheets (CSS), writing code manually, using graphical user interface (GUI) authoring tools, creating images, hyperlinks, tables, forms, video and audio to your Web pages.

In addition to HTML5 and CSS coding, you will be assessed how to use HTML5 and JavaScript Application Programming Interfaces (APIs) to extend the functionality of Web pages, such as geolocation, drag-and-drop, canvas and offline Web applications. Other topics include validating your HTML and CSS code, employing search engine optimization (SEO), using style sheets extensively to format Web page content, and implementing fundamental design concepts. Throughout the course, you will learn how Web sites are developed as managed projects. You will also identify e-commerce solutions and relate Web site development to business goals.

Computer Science Principles Advanced Placement

Grade 9-12

Required: *course fee; AP exam*

This course offers a comprehensive introduction to computer science, exploring fundamental concepts such as algorithms, data structures, various programming paradigms, and the organization of computer architecture. Students will learn to analyze, trace, and write code; apply techniques for algorithm analysis and creation; simulate data patterns; perform binary and base conversions; and understand the basic components of computer networks and systems.

Customer Service and Sales

Grade 10-12

Certification opportunity: *National Retail Federation-The Business of Retail*

Customer Service and Sales is a mid-level course designed to develop the necessary skills for success as a customer service provider. The course examines various service situations and develops an attitude of superior customer service which is critical to success in all organizations. This course provides guidelines and best practices for providing excellent customer service that will enable frontline associates and service staff in back-up and support roles to build, maintain, and increase a loyal customer base.

Digital Media I

Grade 10-12

Certification opportunity: Adobe Certified Professional (ACP), Adobe Visual Design Specialist

Digital Media I is an introductory course designed to give students an understanding of how to effectively use Adobe Photoshop, Illustrator, and InDesign. Students will be exposed to Adobe Photoshop, Illustrator, and InDesign through project-based learning, learning skills that will prepare them for the ACP certification exam, Digital Media II, and many graphics related jobs. Students who are interested in graphic design, visual arts, and advertising should take this course.

Digital Media II

Grade 10-12

Prerequisites: Digital Media I, Adobe Certified Professional (ACP) certification(s)

**Certification opportunity: Adobe Certified Professional (ACP) & Adobe Certified Expert (ACE)
Self-Directed ONLY**

Digital Media II is an intermediary course designed to put students' graphic design training to work. Students will be exposed to digital design and screen printing that will prepare them for a job in the field of graphic design and/or garment decoration and many other graphics related jobs. Students who are interested in graphic design, visual arts, advertising, and garment decoration should take this course.

Digital Media III

Grade 11-12

**Prerequisite: Digital Media I, Digital Media II, Adobe Certified Professional (ACP),
certification(s)**

**Certification opportunity: Adobe Certified Professional (ACP) & Adobe Certified Expert (ACE)
Self-Directed ONLY**

Digital Media III is an advanced course designed to continue to put students graphic design training to work and teach students the ins and outs of running a graphic design business. Students will be exposed to management practices ranging from leadership to inventory to design to costing and pricing that will prepare them for employment or entrepreneurship. Students who are interested in graphic design, being a well-versed employee, and/or running their own business should take this course.

Digital Media IV

Grade 11-12

Prerequisites: Digital Media III

A continuation of Digital Media III.

Digital Photograph

Grade 10-12

Digital photography is an intermediate course designed to give students a strong foundation in photography principles, camera operations, and digital editing techniques. Students will explore composition, lighting, and visual storytelling while developing technical proficiency in industry-standard software such as Adobe Photoshop and Lightroom.

Fundamentals of HTML, CSS, and JavaScript

Grade 11-12

Fundamentals of HTML, CSS, and JavaScript is an introductory course designed to introduce students to creating interactive websites. Through the course of the year we will be creating websites and web games with a goal of allowing students to pursue a career in programming. Students who are interested in programming, computers, or creating video games should take this course.

Internship

Grade 12

Multiple credits available

Internship is a two hour elective advanced course designed to provide students with a structured work site for training and experience in a specific career field. Students will be exposed to a work environment off campus that will allow them to observe and participate in their specified career field. Students need reliable transportation to and from the internship site, no excessive absences, and a good discipline record.

Introduction to Business Computer Applications (IBCA)

Grade 9-12

IBCA is an introductory course designed to prepare students with computer application skills and touch method of operating a computer keyboard. Skills in Microsoft Word and PowerPoint applications and Google Docs and Google Slides are introduced. This is a course designed to teach students how to use the computer as a business and personal tool through the use of Microsoft Office.

Jobs for American Graduates (JAG) I, II, III, IV

Grade 9-12

Selection Process

JAG Specialists deliver an array of counseling, employability skills development, career association, job development, and job placement services that will result in either a quality job leading to a career after graduation or enrollment in a postsecondary education and training program.

Principles of Business***Grade 10-12***

Principles of Business is an introductory business course designed to introduce students to the economy they live in, the businesses they will work at, and the work place skills that are needed to be a successful community member and employee. Students will be exposed to an overall view of the global economy and the businesses that work within that economy, the work skills that employers are seeking in their employees, networking, marketing, advertising, and finally a self-assessment with an industry professional. All students are encouraged to take this course.

Quest for Success***Grade 9-12***

Advanced career readiness highlights skills students will need for college and career success including but not limited to soft skills, post-secondary options, personal finance, workplace safety, and career research. Students will also earn their OSHA-10 Certification in the first semester of the class.

English

ACT Prep

Grade 11-12

ACT Prep is a mid-level course designed to utilize a variety of resources to identify strengths and weaknesses in preparation for ACT/SAT testing.

Business English

Grade 11-12

Prerequisite: English I, II

Students will enhance written and verbal communication skills that are essential to success in business organizations and industry. Students are expected to read, comprehend, interpret, and analyze literary and informational texts and to create and publish documents such as reports, essays, letters, commercials, and technical manuals. Students study rhetorical devices and persuasive techniques and apply research skills to identify a successful career path.

English I

Grade 9

English I is an introductory course where students read, analyze and respond to literature as a record of life experiences. Students will receive instruction in combining and writing 8-12 sentence expository and persuasive paragraphs as well as 4-5 paragraph essays.

English I Gifted

Grade 9

Required: Identified as Gifted by STPSB

Freshmen identified as gifted will read, comprehend, analyze, and respond to classic and contemporary literature, including fiction, poetry, drama, and nonfiction, in a seminar-oriented class. Using the writing process, students will compose expository, literary analysis, narrative, and research-based writing. In addition to the goal of fostering college readiness through research and critical-thinking skills, students will undertake creative and affective explorations of course content and self-selected interests. Students will present their work in a variety of formats including formal essays and presentations, journals, and creative projects.

English I Honors

Grade 9

Honors: Recommendation

English I Honors is an introductory course designed to teach students to read, comprehend, analyze, and respond to classic and contemporary literature, including fiction and nonfiction pieces, while adhering to conventions of standard English. Using the writing process, students will compose expository, literary analysis, narrative, and research-based writing. Students will also demonstrate understanding and analytical thought in speaking and listening as tools for

learning and communicating in various settings.

English II

Grade 10

English II is a mid-level course designed to teach students to read, comprehend, analyze, and respond to literature using proper conventions of standard English. Students will be exposed to expository, literary analysis, narrative, persuasive, and research-based writing that will prepare them for English III.

English II Gifted

Grade 10

Required: Identified as Gifted by STPSB

Sophomores identified as gifted will read and analyze nonfiction, short stories, drama, poetry and selected novels of classic and contemporary literature in a seminar-oriented class. Writing will be focused on using the writing process to develop various types of essays, with a focus on rhetorical and literary analysis. In addition to the goal of fostering college readiness through research and critical-thinking skills, students will undertake creative and affective explorations of course content and self-selected interests. Students will present their work in a variety of formats including formal essays and presentations, journals, and creative projects.

English II Honors

Grade 10

Honors: Recommendation

English II Honors is an advanced course designed to teach students to read, comprehend, analyze, and respond to classic and contemporary literature, including fiction and nonfiction pieces while adhering to conventions of standard English. Using the writing process, students will compose expository, literary analysis, narrative, and research-based writing. Students will also demonstrate understanding and analytical thought in speaking and listening as tools for learning and communicating in various settings.

English III

Grade 11

English III is a mid-level course designed to teach students to analyze classic and contemporary American literature. Students will write for a variety of audiences and purposes with a concentration in persuasive writing and research-based argument writing aligned with MLA standards. The course requires students to develop competence in speaking and listening as tools for learning and communicating. Additionally, students will take a diagnostic ACT English test and follow an individualized study path designed to help them improve their ACT score.

English III Advanced Placement

Grade 11

College credit opportunity

Prerequisite: English I, II; Recommendation

Required: course fee; AP exam

AP English Language and Composition is an advanced course aligned to an introductory college-level class in rhetorical analysis and composition. The course engages students in the close reading and critical analysis of primarily nonfiction texts (essays, speeches, etc.) to deepen their understanding of the ways writers use language to hone a convincing argument. This course employs the use of Socratic discussion and reciprocal teaching as a means to stimulate critical thinking. Writing assignments require students to analyze and interpret nonfiction works and to craft argument papers of their own. AP Language is designed to prepare students for the Language and Composition College Board Advanced Placement Exam.

English III Advanced Placement-Gifted

Grade 11

Identification as Gifted by STPSB

Juniors identified as gifted will analyze classic and contemporary American literature through a seminar-oriented class. In addition to the goal of fostering AP test and college-readiness through research and critical thinking skills, students will undertake creative and affective explorations of course content and self-selected interests. Students will present their work in a variety of formats including formal essays and presentations, informal discussion, journals, and creative projects. Juniors in gifted English are eligible to take the AP and CLEP tests in May.

English III Honors

Grade 11

Honors: Recommendation

English III Honors is an advanced course designed to teach students to analyze classic and contemporary American literature. Students will take a diagnostic ACT English test and follow an individualized study path designed to help them improve their ACT score. Using the writing process, students will compose literary analysis, narrative, and research-based writing focusing on a variety of audiences and purposes. Students will also demonstrate competence in speaking and listening as tools for learning and communicating.

English IV

Grade 12

English IV (on level) is a Mid-Level course. Students will analyze a wide range of British literature from many different periods. Additionally, it is designed with the goal of demonstrating college-ready proficiency in research and writing skills, by having students explore a particular topic or career path. Students will present their research findings in a formal paper in the first semester and will deliver an oral and visual

presentation to a panel of teachers in the second semester.

English IV Advanced Placement

Grade 12

College credit opportunity

Prerequisite: English III, recommendation

Required: Course fee; AP exam

AP English IV Literature and Composition is an advanced course which aligns to an introductory college-level literary analysis course and uses college level texts. The course engages students in the close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. This course employs the use of Socratic discussion as a means to stimulate critical thinking as well as writing assignments that require students to analyze and interpret literary works. AP Literature is designed to prepare students for the Literature and Composition College Board Advanced Placement Exam.

English IV Advanced Placement-Gifted

Grade 12

Required: Identification as Gifted by STPSB

Seniors identified as gifted will analyze classic and contemporary British literature through a seminar-oriented class. In addition to the goal of fostering AP test and college-readiness through research and critical thinking skills, students will undertake creative and affective explorations of course content and self-selected interests. Students will present their work in a variety of formats including formal essays and presentations, informal discussion, journals, and creative projects. Seniors in gifted English are eligible to take the AP and/or CLEP tests in May.

English IV Dual Enrollment

Grade 12

College credit opportunity

Prerequisite: English I, II, III

Required: Course fee; meet DE eligibility guidelines

English IV DE is an advanced level course focusing on composition, literary analysis and argument. The second semester entails critical reading and writing, focusing more intently on argument. Both require two timed essays and several researched essays in MLA format. The course content is determined by the university. Students should be prepared to meet college-level expectations regarding work-ethic.

Gifted Independent Research

Grade 11-12

Prerequisites: Gifted IEP in STPSB

Students will explore their passions and develop advanced research skills. Throughout the course, they will be immersed in the research process from inception to completion of a self-selected project for which they will gather, evaluate, document, and synthesize sources including scholarly articles from academic journals, data and information from credible sites and publications, authentic data through self-designed methods, anecdotal evidence, and other mediums such as interviews. Finally, they will present their findings through various mediums that may include but are not limited to short films, works of art, speeches or performances, fictional or nonfictional creative writing, and video series. This course will enhance and encourage the development of critical and creative thinking skills, self-directed learning, and problem solving as well as prepare students for the rigor of college and career through organizational methods, accountability checks, and seminar discussions.

Publications I: Yearbook

Grade 10-12

Recommendation: C average in English

Publications I is an introductory course which introduces the student to the fundamentals of journalistic procedures as they apply to yearbook production. This course provides hands-on experience, terminology, interviewing, basic layout design and photography techniques, and copy writing utilized in printed publications.

Publications II: Yearbook

Grade 10-12

Prerequisite: Publications I

Publications II is an advanced course which introduces students to money management, sales, theme selection, intricate layout design, and advanced photography techniques, copy writing and feature writing, and other aspects of print production.

Publications III: Yearbook

Grade 11-12

Prerequisite: Publications II

A continuation of Publications II.

Publications IV: Yearbook

Grade 11-12

Prerequisite: Publications III

A continuation of Publications III.

Technical Writing

Grade: 12

Prerequisites: Working towards TOPS Tech Diploma; English I and II, Business English

Students will enhance writing and editing skills related to the many types of business and technical writing. Students study and develop a variety of documents generated in business and industry such as business manual, emails, reports, presentations, letters, newsletters, flyers, personal memoirs, comic strips, advertisements, public service announcements and business proposals. Students also apply research skills to plan a career path and employment portfolio.

English as a Second Language

ESL I, II, III

Grade 9-12

These introductory courses develop proficiency skills in listening, speaking, reading and writing from beginning to advanced levels and expand vocabulary, grammar and reading comprehension through the content areas. Emphasis is placed upon contextual understanding, linking to real-life experiences, interactive communication and personal expression.

Reading I, II, III

Grade 9-12

Reading skills from beginning to advanced levels are developed through Rosetta Stone, an internationally acclaimed interactive English learning program. Students will use all four language domains of listening, speaking, reading and writing to attain higher skill levels in reading comprehension as they advance at their own pace using computer assisted language learning CD's with the accompanying student texts and workbooks.

Study Skills I, II, III, IV

Grade 9-12

These courses develop language survival skills for daily life and classroom work from beginning to advanced levels and provide a foundation for academic success by sharpening skills in all areas of communication. Students will gain understanding of their learning styles, how to set goals, manage time, use library resources, improve memory, take notes in class, raise scores for both objective and essay tests, strengthen reading and writing skills and use graphic aids.

Grammar practice, higher order thinking exercises and content area readings are also targeted. Students will apply newly acquired study skills to mainstream class assignments by bringing class work into the study skills class to gain additional practice and assistance.

Family and Consumer Science

Baking and Pastries

Grade 9-12

Baking and pastries teaches students the fundamentals of food safety, baking principles, mixing and cooking methods, and measurements. Students learn to bake breads, pastries, pies, tarts, cakes, cookies, custards, mousses, and other pastries.

Child Development

Grade 9-12

Child Development is an introductory course designed to teach students about the basic information regarding the development of children from the pre-natal stage through adolescence. Topics focus on all areas of growth and development of the infant through school aged children. Emphasis is placed with hands on projects conducted both semesters.

Family and Consumer Science

Grade 9-12

FACS is an introductory level course emphasizing the value of teens gaining skills for managing their daily lives. Making decisions, effective communication, clothing care, food preparation techniques, interior design concepts, household safety, budgets, careers and child care guidelines are covered.

Food and Nutrition/Advanced Food and Nutrition

Grade 10-12

Food and Nutrition is an introductory course designed for students to explore the relationship of nutrition to health and well-being. Labs are designed to reinforce class lessons and to teach basic cooking skills. Students that are interested in a career in health, nutrition or wellness should take this course.

ProStart I

Grade 11-12

Prerequisites: Food & Nutrition and Advanced Foods

Certification opportunity: ServSafe and ProStart

Dual enrollment opportunity

Required: Meet DE eligibility guidelines

Note: All students must take the national certification exam; ServSafe and ProStart

ProStart 1 is a mid-level course that is part of a of a two- year program that prepares students for careers in the restaurant/food service industry. Topics covered include customer service, food and kitchen safety, foodservice equipment, nutrition, business mathematics, control of foodservice costs and career preparation and development. Advanced food preparation techniques will be taught.

ProStart II

Grade 11-12

Prerequisites: ProStart I

Certification opportunity

Dual Enrollment opportunity

Required: Meet DE eligibility guidelines

Note: All students will take the national certification exam.

Prostart II is an advanced course and part of the ProStart program which prepares students for careers in the restaurant/food service industry. Topics covered include career preparation and development, the history and art of foodservice, the lodging industry, marketing and menu development, purchasing and inventory control, standard accounting practices, tourism and communication with customers. It is highly recommended for students to get a job in food service during their time in this course.

Fine Arts

Art I

Grade 9-12

Required: Purchase of basic art supplies based on teacher supply list

Art I is an introductory course open to all students. Drawing expertise is not required. The student is introduced to the elements and principles of design. Composition and creative thinking are developed through a variety of projects such as drawing, painting, sculpture, print making and ceramics.

Art I Talented

Grade 9-12

Required: Special selection process

Art I is an introductory course that focuses on drawing. We will explore drawing in all its capacities using various media including charcoal, collage, printmaking and inks. Studio work will develop and reinforce student understandings of the elements and principles of art and design. Students will learn how to create, critique, evaluate and appreciate works of art. Students will improve their ability to create via direct observation. Students will explore their own aesthetic views. Art history will be infused throughout the course. Sketchbook work outside of class is expected. Students will have opportunities to enter contests and exhibit their work.

Art II

Grade 9-12

Prerequisite: Art I

Required: Purchase of basic art supplies based on teacher supply list

Students review and apply knowledge of the art elements and principles of design. The first semester of Art II further develops technical skills in drawing from observation using a variety of new media and creative approaches to composition, such as: charcoal, watercolor, India Ink, chalk pastel, colored pencil, and printmaking. The second semester of Art II focuses on 3D-Design and Sculpture using found objects, wood, paper, cardboard, Styrofoam, plaster, and ceramics.

Art II Talented

Grade 9-12

Prerequisite: Talented Art I

Required: Special selection process

In Art II, we will explore additive and subtractive sculptural techniques such as carving, assemblage, casting and modeling. Studio work will develop and reinforce student understandings of the elements and principles of art and design. Students will learn how to create, critique, evaluated and appreciate works of art. Students will explore their own aesthetic views. Art history will be infused throughout the course. Sketchbook work outside of class is required. Studio time outside of class is expected. Students will have opportunities to

enter contests and exhibit their work. A suggested supply list will be provided.

Art III

Grade 10-12

Prerequisites: Art II

Required: Purchase of basic art supplies based on teacher supply list

This is a painting class. Art III reinforces skills of drawing within the discipline of painting. Students will explore techniques in watercolor, India ink, tempera, acrylic, and oil paint. Art III students will also participate in various local and national art contests.

Art III Talented

Grade 9-12

Prerequisite: Talented Art II

Required: Special selection process

The main focus in Art III, an advanced level course, is drawing and painting in acrylic and ink, with some printmaking or other two-dimensional media such as collage. TAP Visual Art III is designed for the art students who are serious about pursuing art in high school and beyond. Students who elect to take this course should be self-motivated and self-directed as well as cooperative, responsible art students. There is an emphasis on developing creative, conceptual thinking as well as personal expression and observational drawing skills. Students will work in a variety of media including drawing, painting, printmaking, collage and more. Art history will be infused throughout the course. Sketchbook work outside of class is required. Studio time outside of class is expected. Students will have opportunities to enter contests and exhibit their work.

Art IV

Grade 12

Prerequisite: Art I, II, III

Required: Participation in Senior Art Show; purchase of art supplies

This course provides the advanced art student the opportunity for portfolio development. The first semester of Art IV focuses on creating a breadth of work – a variety of content prompts and media. The second semester of Art IV is Senior Project Concentration. Students will create a series based on a concept of their own design to produce a whole body of work.

Art IV Talented

Grade 10-12

Prerequisite: Talented Art III

Required: Special selection process

Art IV is an advanced level course designed to allow the experienced and serious art student to investigate specific areas of art in depth. TAP Visual Art IV is an academically rigorous class. Students will choose from a variety of art areas from self-directed and designed art experiences. Students who elect to take this course should be self-motivated and self-directed as well as cooperative, responsible art students. This course is especially directed toward those preparing art portfolios for college entrance. Critiques, written analyses, artist statements, out of class assignments and completion of a senior series will be required. Sketchbook work outside of class is required. Studio time outside of class is required. Students will have opportunities to enter contests and exhibit their work. A suggested supply list will be provided.

Fine Arts Survey

Grade 9-12

Fine Arts Survey is an introduction to all the arts: art, theater, and music. This course will explore major periods, movements, artists, composers, and performers from Prehistory to the 21st century. It will also increase the students' appreciation for the synthesis of different art forms. Students will learn how the arts have become a global and cross-cultural institution.

All Band, Applied Music, Chorus and Talented Music classes are performance classes. Band/chorus students will be challenged to achieve mastery and musical expertise. Appropriate musical compositions will be performed. Participation in after school rehearsals and performances are mandated and are factored in the student's grade for the course.

Advanced Band

Grade 9-12

Required: Band fee

Advanced band, an advanced level course, emphasizes instrumental technique and ensemble rehearsal skills, music literacy, music history, and performance practice. This is a co-curricular class, meaning students are required to attend rehearsals, participate in contests, festivals, and performances outside of school hours. Supplies needed for this course will be listed in the band handbook or class syllabus.

Applied Music

Grade 9-12

Required: Band fee

Applied music, an advanced course, emphasizes ensemble rehearsal skills and techniques. This is a co-curricular class, and students are required to attend rehearsals, participate in contests, festivals, and performances outside of school hours.

Intermediate Band

Grade 9-12

Required: Band fee

Intermediate band emphasizes advanced instrumental technique and ensemble rehearsal skills, music literacy, music history, and performance practice. This is a co-curricular class, meaning students are required to attend rehearsals, participate in contests, festivals, and performances outside of school hours. Supplies needed for this course will be listed in the band handbook or class syllabus.

Jazz Ensemble

Grade 9-12

Required: Audition and fees

Jazz Ensemble is an advanced course chosen by audition. Members must be willing to commit to community performances and festivals during and outside the school day. Music will include professional, college, and upper level high school big band jazz literature from every jazz era. Rehearsals will concentrate on developing ensemble skills and improvisation. The goals for the ensemble will be to expose our school and community to America's musical art form and enrich the music education of the students at FHS. Auditions will include a prepared piece of music, scales, site reading, and improvisation for those interested in sole chairs. This is a co-curricular class, meaning students are required to attend rehearsals, participate in contests, festivals, and performances outside of school hours. Supplies needed for this course will be listed in the band handbook or class syllabus.

Wind Ensemble

Grade 9-12

Required: Audition and fees

Wind ensemble is an advanced course emphasizing instrumental technique and ensemble rehearsal skills, music literacy, music history, and performance practice. This is a co-curricular class, meaning students are required to attend rehearsals, participate in contests, festivals, and performances outside of school hours. Supplies needed for this course will be listed in the band handbook or class syllabus.

Advanced Chorus

Grade 9-12

Required: Audition and fees

Advanced chorus is designed for choir students who have a fundamental understanding of choral technique, can read music and demonstrate the ability to sing in-tune.

Piano

Grades 9-12

Piano is a beginning class, designed for students with little or no prior piano instruction. Students progress through daily practice and class activities, perform in ensembles and prepare for written, as well as performance exams. Students are required to purchase a book, but do not need to own a piano/keyboard.

Small Vocal Ensemble

Grade 9-12

Required: Audition and fees

Small vocal ensemble is an advanced course designed for male and female choir students, who have achieved choral success at the junior high or high school level, can demonstrate the ability to sight-read music at a competitive level and possess excellent choral technique and control of the vocal instrument.

Music I, II, III, IV Talented

Grade 9-12

Required: Special selection process

Talented music is an accelerated course which focuses on independent and small group study in performance skills, technique, musicianship, ear training, music theory and analysis, composition, improvisation and music history and styles. Talented music is part of the special education program and is only available through audition. Information about the selection process is available through the special education and counseling offices.

Theatre I, II, III, IV Talented

Grade 9-12

Required: Special selection process

Talented theatre, part of the Special Education program, is only available by screening. The course consists of accelerated and independent training in a variety of theatrical areas including performance, design, directing, and history.

Theatre I

Grade 9-12

Theatre I is a beginning course which covers the principles of stage movement, vocal projection, diction, and pantomime. Students will also become familiar with the history and vocabulary of Theatre, as well as practice techniques for overcoming stage fright and gaining confidence in performance and presentation settings. Through a variety of scenes and monologues, students will also research character development, setting, tone, and text interpretation. Finally, students will create and perform original scripts and monologues.

Speech I

Grade 9-12

Speech I is an introductory course designed to teach students the fundamentals of public speaking as well as how to communicate on a social and professional level. Students will be exposed to writing, practicing, and presenting all types of speeches in front of their classroom audience that will prepare them for advancement to Speech II as well as real-world situations outside the classroom. Students in all career paths should take this course.

Speech II

Grade 9-12

Prerequisite: Speech I

Speech II is a mid-level course designed to add to the student's knowledge of public speaking that was gained in Speech I. Students will be exposed to oral interpretation of music/literature, informal and formal debate formats, and all areas of mass communications. Students that are interested in a career in law, politics, or mass communication should take this course.

TV Productions I

Grade 10-12

Certification opportunity: Adobe Certification using Adobe Premiere Pro CS6

TV Productions is an introduction to the broadcast media. Students will be exposed to the basic principles of broadcast journalism and is designed to teach student-reporters how to conduct on-camera interviews and produce videos that will be aired on the school-wide morning broadcast. Included will be training requirements for using broadcast equipment and editing with Adobe Premiere Pro CS6. Students will be required to film after-school activities such as sporting events and theater performances.

TV Productions II

Grade 10-12

Prerequisite: TV Production

Certification opportunity: Adobe Certification using Adobe Premiere Pro CS6

TV productions II is an advanced level course designed to improve upon a student's knowledge of the broadcast medium. Students will be exposed to the daily grind of being on-camera. Anchors are responsible for writing, delivering, and editing the morning news program. Students will use digital media equipment: video cameras, teleprompter, green screen, lighting and editing with Adobe Premiere Pro CS6 to format BTV, Bulldog Television. Students that are interested in a career path in Media should take this course.

World Languages

French I

Grade 9-12

French I is an introductory course that covers basic conversation, listening skills, reading, writing and translating. Cultural awareness activities are also included. The primary goal of French I is to build a foundation of vocabulary and grammar in preparation for level 2. Cultural awareness activities include an overview of France, Paris (its points of interest,) the provinces of France (specific foods, places to visit) and French-speaking areas outside of France (where they are, their attractions, traditions).

French II

Grade 9-12

A continuation of French I.

French III

Grade 10-12

French III, an advanced level course, deepens the proficiency begun in earlier levels, focusing on complex grammatical concepts in written, oral, and comprehension contexts. Cultural study includes an overview of history, with its connection to literature. Students explore the literary works: Le Petit Prince and Les Misérables. They also learn about 19th century impressionist art, and specific artists' styles and characteristics, with a final project devoted to one artist and a chosen work, which each student endeavors to duplicate.

French IV

Grade 11-12

A continuation of French III.

French V

Grade 11-12

A continuation of French IV.

Spanish I

Grade 9-12

Spanish I is an introductory course designed to teach students the language through writing, speaking, listening and reading. Students will be exposed to the culture of Spanish speaking countries. They learn to communicate in the target language using greetings, present tense verb conjugation and vocabulary. This course teaches basic grammatical concepts and prepares students for Spanish II. The students have the opportunity to learn vocabulary and grammatical structures using ASL gestures, songs and rhymes.

Spanish II

Grade 9-12

Spanish II is an intermediate level course designed to incorporate grammatical concepts and vocabulary learned in Spanish I with new vocabulary and verb conjugation. Spanish II students learn past tense, future and conditional tenses, command and subjunctive. The grammar and vocabulary are used to create and tell stories and to speak during communicative activities. Spanish II students continue to learn about the culture of Spanish speaking countries. The students have the opportunity to learn vocabulary and grammatical structures using ASL gestures, songs and rhymes

Spanish III

Grade 10-12

Spanish III is an accelerated course designed to give students more opportunities to use the language. Students give presentations in Spanish and tell stories in the target language. There are some new grammatical concepts such as perfect tense verb conjugation and the imperfect subjunctive. The students demonstrate a more sophisticated use of the language in reading, writing and listening activities.

Spanish IV and V

Grade 11-12

Required: Teacher recommendation

Spanish IV/V are accelerated courses designed to encourage speaking, reading, writing and listening skills in the target language. Students must present projects in the target language. The students read, translate and discuss a variety of literary works in Spanish.

Industrial Arts

Basic Technical Drafting

Grades 10-12

Certification opportunity

Basic Technical drafting is an introductory course designed to study the technical elements of drafting, which include instruments, lettering, sketching, applied geometry, projections, pictorial representation, dimensioning, sectioning, symbols and auxiliaries. Students will be exposed to AutoCad software that will prepare them for more advanced computer assisted drafting and design. Students that are interested in drafting, architecture, and engineering design should take this course.

Advanced Technical Drafting

Grade 10-12

Prerequisite: Basic Technical Drafting

Certification opportunity

CMAD drafting is a mid-level continuation of Basic Technical Drafting which includes an opportunity to acquire a User Certification in AUTOCAD software. Students that are interested in enhancing their computer aided drafting and design skills in concert with basic drafting and design concepts should take this course.

Automotive Tech I Dual Enrollment

Grade 11-12

2 credits

Required: Materials fee

Certification opportunity; Dual enrollment opportunity

Required: Meet DE eligibility guidelines

Students are provided specialized instruction and practical shop experience to prepare students with entry level skills in the servicing and maintaining of all types of automobiles. Possible certifications are available: Brakes, Electrical/Electronic Systems, Engine Performance, Suspension/Steering through Northshore Technical Community College — up to 5 college credits can be earned.

Automotive Tech II Dual Enrollment

Grade 11-12

2 credits

Prerequisite: Automotive Technician I

Certification opportunity; Dual Enrollment opportunity

Required: Materials fee; Meet DE eligibility guidelines

The student will continue to complete course work required for the 4 possible certifications through Northshore Technical Community College — up to 5 college credits can be earned.

Carpentry

Grade 10-12

Certification opportunity; Dual Enrollment opportunity

Required: Core Certification; meet DE eligibility guidelines

Students learn basic carpentry, quantitative, and safety skills essential to entry-level employment. Completing this Helper pathway includes: introduction to carpentry, building materials, fasteners and adhesives, hand and power tools, construction drawings, specifications and layout and wall systems.

Welding I

Grade 10-12

Dual Enrollment opportunity

Required: Core Certification; meet DE eligibility guidelines

This mid-level course provides the skills necessary for a career with basic entry-level welding. The course emphasizes developing the student's skills and understanding the welding field. Students may be CORE and Level 1 certified upon completion of this course, and may accumulate up to 5 college credits.

Welding II

Grade 10-12

2 credits

Prerequisite: Welding I

Certification opportunity; Dual enrollment opportunity

Required: Meet DE eligibility guidelines

This class is an advanced level course designed to use and reinforce the skills acquired in Welding I. Students may be Level 1 certified upon completion of this course, and may accumulate up to 5 college credits.

Mathematics

Algebra I

Grade 9-12

Honors: Recommendation

This introductory course includes understanding the use of the language of algebra and the integration of algebra with other mathematics. It includes working with properties of real numbers, sets and set notation, equations and inequalities, graphing, systems of equations, relations and functions, rational expressions, and quadratic functions.

Geometry

Grade 9-12

Prerequisite: Algebra I

Geometry is an introductory course designed to expose students to Euclidean Geometry. Students will be exposed to investigations of transformations, and congruence and similarity of plane figures, such as lines, triangles, polygons and circles. Students will be guided on how to prove these concepts through the use of logical arguments. Properties of 3-dimensional figures and conditional probability will also be studied. This course will prepare students for Algebra II.

Geometry Honors

Grade 9-10

Prerequisite: Algebra I

Note: May also enroll in Algebra II concurrently with recommendation

Honors Geometry is a mid-level course designed to deepen and broaden students' understanding of Euclidean Geometry. Students will be exposed to investigations of transformations, and congruence and similarity of plane figures, such as lines, triangles, polygons and circles. Students will be challenged to prove these concepts using logical arguments. Students will also investigate properties of 3-dimensional figures and conditional probability. This course will prepare students for Algebra II.

Geometry Gifted

Grade 9-10

Prerequisite: Algebra I

Required: Identification as Gifted by STPSB

Gifted Geometry is an advanced course designed to deepen and broaden students' understanding of Euclidean Geometry. Students will be exposed to investigations of transformations, and congruence and similarity of plane figures, such as lines, triangles, polygons and circles. Students will be challenged to prove properties of plane figures using logical arguments and extend those properties to 3-dimensional figures. Students will also investigate conditional probability. In addition to the goal of fostering college-readiness through critical thinking, students will be challenged to use creativity, research skills, and affective skills to explore how course content can be used to find solutions to real world problems. Students will present their work in a variety of formats including constructed responses, essays, presentations, informal discussion, and creative projects. This course will prepare students for Algebra II.

Algebra II

Grade 10-12

Prerequisite: Algebra I

Honors: Recommendation

This advanced course includes relations and functions, graphing quadratic, rational, radical, absolute value, exponential, and logarithmic functions with transformations. It also includes solving quadratic equations by factoring, completing the square and using the quadratic formula, conic sections, and exponential and logarithmic functions.

Algebra II Gifted

Grade (10-11)

Prerequisite: Algebra I

Required: Identification as Gifted by STPSB

Algebra II Gifted is an advanced course designed to deepen and broaden students' understanding of functions. Students will be exposed to solving and graphing a wide variety of functions including: linear, quadratic, rational, radical, absolute value, exponential, and logarithmic functions. In addition to the goal of fostering college-readiness through critical thinking, students will be challenged to use creativity, research skills, and affective skills to explore how course content can be used to find solutions to real world problems. Students will present their work in a variety of formats including constructed responses, essays, presentations, informal discussion, and creative projects. This course will prepare students for Pre-Calculus and College Algebra.

Algebra III

Grade 11-12

Prerequisite: Algebra II

Algebra III is an advanced level course. Students will solidify topics learned in Algebra II, while focusing on work with many type of functions such as polynomial, rational, radical, exponential, and logarithmic. Modeling real-life problems and fitting data to those models will be an integral component of this course. This course will give students the work needed in preparation for College Algebra.

College Algebra Dual Enrollment

Grade 11-12

Prerequisite: Algebra II

Required: Meet DE eligibility requirements, university course fee, MathXL fee

College Algebra DE is an advanced, college-level course whose requirements are set by the university. It is a study of families of functions and their graphs. Topics include linear, polynomial, rational, exponential and logarithmic functions. Functions will be used to model and solve application-based problems. This class satisfies the requirements for both high school credit in Algebra III and college credit in College Algebra. The course is taught in a traditional manner but all homework, quizzes, and tests are delivered through Math XL. Students will pursue 3 hours of college credit in College Algebra (SLU Math 161). This is a 3-credit hour course, taught for a full year. This is a rigorous, fast-paced course. This is an excellent choice for non-STEM related college majors, nursing, and non-math or science education majors.

Pre-Calculus Advanced Placement

Grade 11-12

Prerequisite: Algebra II

Recommended prerequisite: Grade of B or higher in Algebra II-H or Algebra II-G

Required: Course fee; AP Examination

In AP Pre-Calculus, students explore everyday situations using mathematical tools and lenses. Through regular practice, students build deep mastery of modeling and functions, and they examine scenarios through multiple representations. They will learn how to observe, explore, and build mathematical meaning from dynamic systems, an important practice for thriving in an ever-changing world. Specific topics include: Polynomial and Rational Functions, Exponential and Logarithmic Functions, Trigonometry and Polar Functions, and Functions involving Parameters, Vectors, and Matrices.

Trigonometry Dual Enrollment

Grade 11-12

Prerequisite: College Algebra Dual Enrollment

Required: Meet DE eligibility requirements, university course fee, and MathXL fee

Trigonometry DE is an advanced, college-level course whose requirements are set by the university. A study of trigonometric functions, topics include the laws of sine and cosine, the trigonometric functions and their graphs, inverse trigonometric functions, trigonometric identities and equations. Trigonometry and trigonometric functions will be used to model and solve real world applications. The course is taught in a traditional manner but all homework, quizzes, and tests are delivered through Math XL. This is a rigorous, fast-paced course designed for students interested in STEM college majors.

Pre-Calculus Advanced Placement Gifted

Grade 10-11

Prerequisite: Algebra II

Required: Identification as Gifted by STPSB

Recommended prerequisite: Grade of B or higher in Algebra II-H or Algebra II-G

In AP Pre-Calculus, students explore everyday situations using mathematical tools and lenses. Through regular practice, students build deep mastery of modeling and functions, and they examine scenarios through multiple representations. They will learn how to observe, explore, and build mathematical meaning from dynamic systems, an important practice for thriving in an ever-changing world. Specific topics include: Polynomial and Rational Functions, Exponential and Logarithmic Functions, Trigonometry and Polar Functions, and Functions involving Parameters, Vectors, and Matrices.

Probability and Statistics Dual Enrollment

Grade 12

Prerequisite: College Algebra or >28 math ACT and high school GPA ≥ 2.5

Required: Meet DE eligibility requirements, university fee, and MathXL fee

Probability & Statistics DE is an advanced, college-level course whose requirements are set by the university. Topics include an introduction to statistical reasoning, graphical display of data, measure of central tendency and variability, sampling theory, the normal curve, standard scores, Student's T, Chi Square, and correlation techniques. This class satisfies the requirements for both high school credit in Probability & Statistics and college credit in Elementary Statistics. The course is taught in a traditional manner but all homework, quizzes, and tests are delivered through Math XL. Students will pursue 3 hours of college credit in Elementary Statistics (SLU Math 241). This is a 3-credit hour course, taught for a full year. This course is an excellent choice for seniors interested in a 4th year of math but not interested in taking calculus.

Calculus Advanced Placement AB

Grade 11-12

Prerequisites: Pre-Calculus

Required: Completion of summer review packet, course fee, and Advanced Placement test

AP Calculus is an advanced course designed to introduce students to differential and integral calculus concepts. Students will be exposed to limits, first and second derivatives, integrals, and the Fundamental Theorem of Calculus, all of which will prepare them for post-secondary mathematics. This course is designed for self-motivated, self-disciplined students who are interested in taking the Advanced Placement Calculus Test to earn college credit for first semester college calculus. The test score necessary to earn college credit is determined by individual colleges/universities. Students who are considering a math or science based major in college should take this course.

Calculus Advanced Placement BC

Grade 11-12

Prerequisites: Calculus Advanced Placement AB

Required: Completion of summer review packet, course fee, and Advanced Placement test

AP Calculus is an

Applied Calculus Dual Enrollment

Grade 12

Prerequisite: College algebra or >28 math ACT and high school GPA ≥ 2.5

Required: Meet DE eligibility requirements, university fee, and MathXL fee

Applied Calculus DE is an advanced, college-level course whose requirements are set by the university. It is an introduction to differential and integral calculus. Topics include limits, the derivative, applications of the derivative, antiderivatives, the definite integral and the Fundamental Theorem of Calculus. Polynomial, rational, radical, exponential, and logarithmic functions will be studied. This class satisfies the requirements for both high school and college credit in Applied Calculus. The course is taught in a traditional manner but all homework, quizzes, and tests are delivered through Math XL. Students will pursue 3 hours of college credit in Applied Calculus (SLU Math 163).

Financial Literacy

Grade 11

This mid-level course focuses on personal finance. Students will explore important life skills through mathematical applications. Topics address decision making and personal responsibilities such as understanding paychecks and income, budgeting, banking, credit, loans, buying a house, buying a car, insurance, and investments.

Business Math**Grade 12****1 Credit*****Prerequisite: Algebra I***

This advanced course focuses on math in business situations. Students will explore how businesses function through math applications. Topics include all facets of managing a business such as personnel, production, purchasing, sales, marketing, storage, distribution, services, accounting, and planning.

Health and Physical Education

Physical Education I

Grade 9

This introductory course is designed to provide a broad range of activities. The curriculum consists of flag football, softball, ultimate Frisbee, volleyball, basketball and physical/motor fitness.

Physical Education II

Grade 10

½ credit-paired with health education

This mid-level course focuses on a variety of lifetime sports activities. The curriculum consists of badminton, field hockey, softball, soccer, speedball, physical fitness, volleyball & basketball.

Physical Education III

Grade 11-12

This advanced level course emphasizes lifetime sports, leisure pursuits and the importance of physical fitness.

Physical Education IV

Grade 12

This advanced level course will place emphasis on physical conditioning and weightlifting.

Health Education

Grade 10-12

½ credit-paired with PE II

This introductory course is designed to motivate and assist students to maintain and improve their health, prevent disease and reduce health-related risk behaviors.

Conditioning I, II, III

Grade 10-12

1 Credit

Required: Athletes only

Junior Reserve Officer Training Corp (JROTC)

Completion of JROTC I and JROTC II satisfies the PE and Health Graduation Requirements.

JROTC I (2 Semester Course)

Grade 9-12

This introductory course is designed to teach cadets leadership skills, military customs and courtesies, health and physical fitness. This course will prepare them to hold positions of leadership within the battalion leading fellow cadets.

JROTC II (2 Semester Course)

Grade 9-12

This mid-level course is designed to teach cadet physical fitness lessons, problem solving, wellness, first aid and government. This course will prepare them to hold positions of leadership within the battalion leading fellow cadets.

JROTC III (2 Semester Course)

Grade 11

Certification opportunity

This advanced level course is designed to access active leadership and leadership application techniques taught in JROTC I and II. Cadets will learn effective communication, physical fitness, military heritage, decision making, time management and financial management. Students will begin exploring their career interests for post high school pursuits.

JROTC IV (2 Semester Course)

Grade 12

Certification opportunity

This advanced course is designed to give the cadets an understanding of leadership principles by learning and assessing various leadership styles, power bases and influences. Cadets will learn various management and communication skills needed to become an effective leader. Cadets will also learn to conduct a service learning project.

Science

Astronomy

Grade 10-12

Recommended prerequisites: A grade of B or higher in Algebra I and Physical Science

Astronomy is an introduction to astronomical concepts and scientific practices and includes observational labs. Students should have a decent grasp of high school algebra and physical science to do well in the course. The first half of the course covers Planetary Astronomy including the night sky, constellations and seasons, telescopes and visual astronomy, astrophotography, the Earth, Moon, and Solar System, the history of astronomy, gravity and light, and the laws of orbital mechanics. The second half will cover Astrophysics and Cosmology including stellar formation and evolution, radio and gravity wave astronomy, galaxies, the origins and evolution of the Universe, black holes, and the theory of relativity.

Physical Science

Grade 9

Physical science is an introductory course consisting of one semester of chemistry and one semester of physics. Students will discover themes of how the physical world works through theoretical and practical laboratory experiences, concentrating on developing scientific skills of observing, inferring, data collecting, and graphing. First semester will cover the topics of using and understanding the mechanics of the Periodic Table of Elements, Ionic and Covalent Bonding, States of Matter, Physical and Chemical changes and Nuclear Chemistry. Second semester will concentrate mostly on physics, focusing on Newton's laws, Potential and Kinetic Energy, Transfer of energy, Sound /Light Waves, Forces and Electricity.

Physical Science Honors

Grade 9

Physical Science Honors is an introductory course consisting of one semester of chemistry and one semester of physics. Students will be challenged with a deeper level of understanding and higher expectations of critical thinking at an accelerated rate. Students will discover themes of how the physical world works through theoretical and practical laboratory experiences, concentrating on developing scientific skills of observing, inferring, data collecting, and graphing. First semester will cover the topics of using and understanding the mechanics of the Periodic Table of Elements, Ionic and Covalent Bonding, States of Matter, Physical and Chemical changes and Nuclear Chemistry. Second semester will concentrate mostly on physics, focusing on Newton's laws, Potential and Kinetic Energy, Transfer of energy, Sound /Light Waves, Forces and Electricity.

Biology I

Grade 10

This introductory course provides students with an overview understanding of the principles of living things; focusing specifically on concepts of evolution, cells and tissue structuring, cellular respiration/photosynthesis, disease transmission/inheritance, and ecosystem interactions. This course heavily relies on the use of the following skill sets: high level critical thinking, basic level algebraic skills, graph production, and data analysis. These skills are developed and used to help students to drive their own hypotheses and conclusions using scientific inquiry.

Biology I Honors

Grade 9-10

Honors: Teacher Recommendation

This introductory course provides students with an overview understanding of the principles of living things; focusing specifically on concepts of evolution, cells and tissue structuring, cellular respiration/photosynthesis, disease transmission/inheritance, and ecosystem interactions. Students will be challenged with a deeper level of understanding and higher expectations of critical thinking at an accelerated rate. This course heavily relies on the use of the following skill sets: high level critical thinking, basic level algebraic skills, graph production, and data analysis. These skills are developed and used to help students to drive their own hypotheses and conclusions using scientific inquiry.

Chemistry

Grade 11-12

Prerequisite: Enrollment in or completion of Algebra II. Physical science recommended

Chemistry is a mid-level course designed to explore the fundamental principles of chemistry which characterize the properties of matter and how it reacts. Basic algebraic skills are necessary for this course. Laboratory experiences, demonstration, and problem solving are stressed. Topics include, but are not limited to: measurement, atomic structure, electron configuration, the periodic table, bonding, gas laws, properties of liquids and solids, solutions, stoichiometry, reactions, kinetics, equilibrium, acids and bases, and nuclear chemistry. Content covered in this course will prepare students for both Biology II and Physics.

Chemistry Honors

Grade 11-12

Prerequisite: Enrollment in or completion of Algebra II-H

Chemistry Honors is a mid-level course recommended for the above-average student who has a strong background in honors math and science classes. Basic algebraic skills are necessary for this course. Laboratory experiences, demonstration, and problem solving are stressed. This course covers the same material as Chemistry, but at an advanced level and at an accelerated rate. Content covered in this course will prepare students for both Biology II and Physics.

Biology II

Grade 11-12

Honors: Required B average in biology and enrollment in or completion of Chemistry

Biology II is an advanced level course designed for those students who exhibit interest in life sciences. This one-year course is a continuation of the study of Biology that includes an in-depth study of cellular processes, genetics, evolution, ecology, human body systems, and additional topics as time permits. This is a college preparatory course intended to prepare students for college science courses. Significant time will be spent on experimental design and analysis, interpretation of scientific models, and making and supporting claims based on evidence. Strong reading comprehension, critical thinking, and study skills are critical for success in this course.

Biology II Dual Enrollment

Grade 11-12

Prerequisite: B or higher in Honors Chemistry I or recommendation

Required: University course fee; Meet DE eligibility guidelines

Biology II Dual Enrollment is an advanced course focusing on cell and molecular processes, including a study of biological molecules, cell structure and function, cellular respiration, photosynthesis, cell reproduction and genetics. Evolution, diversity of life, plant and animal form and function, and ecology are topics covered in the spring. The course involves extensive, college-level lab work, and students are required to write scientific lab reports in order to receive the lab credits.

Biology II Advanced Placement

Grade 11-12

Required: B average in Biology H and Chemistry H, course fee, Advanced Placement test

AP Biology is a yearlong advanced level course equivalent of a freshman-level collegiate general biology course. Students can expect challenging content, a rigorous pace, extensive lab work and a significant time commitment to studying and reading. The textbook used by AP Biology is also used by college biology majors and the kinds of labs done by AP students are equivalent to those done by college students. AP Biology is a course that aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. This course is designed to prepare students for the Biology College Board Advanced Placement Exam.

Environmental Science

Grade 9

Environmental Science Grade 9 is an intro-level course that examines the processes at work in our natural environment, how we use those natural systems and the resources they provide, and the human impact on those systems. The course includes discussions of Earth's systems (interactions between the atmosphere, hydrosphere, geosphere, and biosphere), ecology (the study of the interactions of organisms and their environment), biodiversity (the variety of plants and animals), resource use, pollution, and sustainability (balancing resource use with economic growth, environmental care, and social well-being). Emphasis will be placed on introductory concepts connected to larger and more complex environmental systems such as how the carbon cycle affects air pollution and global warming.

Environmental Science

Grade 11-12

Environmental Science is a mid-level course that examines the processes at work in our natural environment, how we use those natural systems and the resource they provide, and the human impact on those systems. The course includes discussions of Earth's systems (weather and climate, water cycle, etc.), ecology (the study of the interactions of organisms and their environment), biodiversity, resource use, pollution, and sustainability (how we can use resources with less harm to the environment). Emphasis will be placed on current and local issues, as well as how individuals can make more sustainable choices.

Environmental Science Honors

Grade 11-12

Honors prerequisite: C average in Chemistry H or Biology I H or a B in on-level Chemistry or Biology I

This mid-level course covers the same content as Environmental Science, but at greater depth and at an accelerated rate. Strong reading comprehension and writing skills are recommended. Additional emphasis will be placed on critical thinking to analyze complex issues, experimental design, and data analysis.

Forensic Science

Grade 11-12

Prerequisite: B or higher in biology, chemistry, geometry (or higher math), or teacher recommendation

Practical-based course. Students will learn and practice the skills used by forensic techs and crime scene investigators. Includes a field trip STSPO crim lab and guest speaks from the coroner's office. Topics include hair, fiber, and fingerprint analysis; glass fracture and ballistics; blood serology and spatter; foot treads; handwriting; DNA fingerprinting; and death investigation and autopsy.

Physics Honors

Grade 11-12

Prerequisite: B average in Chemistry H and Algebra II H, currently enrolled in Pre-calculus or Calculus, teacher recommendation

Physics Honors is an advanced level course recommended for the above average student who has a strong background in honors math and science classes. Laboratory experiences, demonstration, and problem solving are stressed. Basic algebraic skills are necessary for success in this course. This course covers the same material as Physics, but at an advanced level and at an accelerated rate and is designed for those students who exhibit interest in science.

Physics I Advanced Placement

Grade 11-12

Required: B average in Chemistry H and Algebra II H, enrollment in or completion of Pre-Calculus or Calculus, teacher recommendation, Advanced Placement exam

AP Physics 1 is an advanced level course equivalent to a first-semester college course in algebra-based physics. It is recommended for the above average student who has a strong background in honors math and science classes. Students will investigate the natural laws of physics and their application to everyday occurrences through advanced mathematics, problem solving and critical thinking. Topics include Newtonian mechanics, work, power, energy, mechanical waves, sound, and an introduction to electric circuits. All AP Physics 1 students will prepare to take the AP exam at the end of the school year.

Anatomy & Physiology Honors

Grade 11-12

1 Credit

Required: B average in Biology H

Dual Enrollment opportunity (online, tuition required)

This is an advanced level for students interested in pursuing a degree in the health sciences, Biological sciences, or a nursing field. The course focuses on anatomical terminology, anatomical identification, and physiological processes of human body systems. Students enrolled in this course should realize that this course requires an extensive amount of time, effort, reading, and memorization. Successful completion of this course requires dedication and commitment.

Health Science I (Health Occupations)

Grade 9-12

Health Occupations is an introductory course for students interested in the health care fields. The four career clusters will be explored. Students will also be taught employment and soft skills such as resume writing, recognizing reportable behavior, and interviewing techniques.

Medical Terminology

Grade 10-12

Dual Enrollment opportunity (offered online and subject to tuition)

Prerequisite: Health Science I (Health Occupations)

Students will develop study skills needed to determine language of health care professions. Concentration of pathology, diagnostic and therapeutic techniques in human body systems will be the main focus of this course.

Lab Assistant-Course of Independent Study in Science

Grade 12

Required: Teacher or Dept. Chair recommendation

Lab Assistant is an advanced level course for students interested in science. Students work independently to prepare lab solutions and materials, set up labs and assist during labs for a variety of science disciplines. Students will learn how to work with other students as they assist during the lab classes.

First Responder

Grade 11-12

Certification opportunity

This mid-level course introduces students to basic assessment of medical/trauma injuries and hands-on techniques used for patient care. Legal and psychological aspects of emergency medicine are included. CPR and first aid certification may be earned through the AHA, as well as licensure in EMR. Gatekeeper Course for students on the Health Science Pathway: EMT, CCMA, PPN courses. The Bureau of EMS does not allow for scholastic or physical accommodations.

Pre-Practical Nursing Dual Enrollment I

Grade 11

2 Credits, first of three-year program

Required: High school GPA > 2.0; Pre-ACT: Math-19, Reading-18, Language-14; counselor recommendation, application, interview, parent meeting, tuition payment

This course sequence provides high school students an opportunity to advance their education and skills by completing the courses of the first semester of the traditional Practical Nursing Program during their Junior and Senior year of High School. This will allow them an accelerated (12 months / 3 semesters) completion of the Practical Nursing Program after high school graduation. This theory class will be a hybrid of synchronous online lectures and face to face experience at the Lacombe campus. Online simulation will also be used to supplement and enhance learning. Students complete LPN licensure after three-year program.

Pre-Practical Nursing Dual Enrollment II

Grade 12

2 Credits, second of three-year program

Required: Pre-Practical Nursing Dual Enrollment I grade of C or 80 out of 100, tuition payment

This course sequence provides high school students an opportunity to advance their education and skills by completing the courses of the first semester of the traditional Practical Nursing Program during their Junior and Senior year of High School. This will allow them an accelerated (12 months / 3 semesters) completion of the Practical Nursing Program after high school graduation. The first semester is another theory course and the second semester will be clinical education in a nursing home setting. Online simulation will also be used to supplement and enhance learning. Students complete LPN licensure after three-year program.

EMT Basic Dual Enrollment

Grade 12

2 Credits

Prerequisite: 1st Responder Certification

Required: Meet DE eligibility Requirements

All students in this course will be dually enrolled with Northshore Technical Community College and students must adhere to the college attendance policy. All students pursuing the Emergency Medical Responder certification must be a senior in high school and at least 16 years of age by the scheduled end date of the EMT course. Students must pass both a psychomotor exam and a cognitive exam in order to attain certification. To be eligible to enroll in an EMS course in Louisiana, the applicant must:

1. Hold an active Emergency Medical Responder certification.
2. Complete a NTCC Dual Enrollment Application
3. Be proficient in reading, writing, and speaking the English language.
4. Must have a 2.0 cumulative GPA prior to entering the EMT program and maintain a
5. 2.0 course GPA while in the program.
6. Must possess a current AHA BLS CPR (or equivalent) card.
7. Have no physical or mental impairment that would render the student unable to perform all practical skills required for the level of licensure without accommodation.
8. Not have an arrest/conviction record that has not been cleared by the EMS Certification Commission.
9. Maintain a professional appearance in line with local EMS expectations and in accordance with the local school district policy.
10. Not be under the influence of any drugs or intoxicating substances that impair the ability to provide patient care or operate a motor vehicle while in class or clinicals, while on duty, when responding to, or assisting in the care of a patient.
11. Review and attest in writing their acceptance and understanding of the EMT Functional Position Statement.
12. Review and attest in writing receipt of an agreement to adhere to the policies contained in the Dual Enrollment EMS Program Student Handbook.
13. Documentation from a physician attesting to the students' ability to perform the duties of an Emergency Medical Technician Responder (physical exam.)
14. This advanced course prepares students to work as an Emergency Medical Technician who provides attention as patients are transported to medical facilities. Upon completion of the course and required Clinical hours, students will earn 5 certifications, 2 high school credits and 6 college credits through Northshore Technical Community College.

Medical Assistant- Dual Enrollment

Grade 12

2 credits

Certification opportunity

Required: at least 16 years old, valid driver's license, background check, physical exam, immunizations including TB test, scrubs, footwear and tuition payment.

Pre-requisite: BLS American Heart Association CPR certification and successful completion of EMR course.

This course prepares high school students for a career in a variety of healthcare settings and includes an opportunity to earn an additional Phlebotomy certification. This course is recommended for students who want to work in a doctor's office, hospital or clinic. These students may want to be a nurse, phlebotomist, or EKG technician. Students are required to provide their own transportation to a designated clinic as they earn the phlebotomy certification component of the course.

Engineering

PLTW (Engineering) courses engage students in interdisciplinary activities like working on a project design team, programming electronic devices, or creating a solar vehicle. These activities not only build knowledge and skills in engineering, but also empower students to develop essential skills such as problem solving, critical and creative thinking, communication, collaboration, and perseverance. Students will learn and apply an engineering design process and utilize the same industry-leading technology and software that are used in the world's top companies.

Principles of Engineering Design (Engineering I)

Grade 9-11

Certification opportunity: AutoDesk Inventor

Requirements: Reliable Internet access outside of school

Introduction to Engineering Design is an introductory course designed to allow students to dig deep into the engineering design process, applying math, science and engineering standards to hands-on projects. This course is designed to expose students with a high aptitude in mathematics and science to the rigors of an engineering field as they work individually and in teams on design solutions of a variety of problems. Topics covered in this course are Engineering Design Process, Technical Sketching, Measurement and Statistics, Computer Modeling Skills, Geometry of Design, Reverse Engineering, and Documentation. Students will utilize 3D modeling software, AutoDesk Inventor, and use an engineering notebook. Documentation of the design process, collaboration, and presentation skills gained in this course will prepare students for Principles of Engineering, the second course in the series. Students with a serious interest in a career in the fields of engineering or engineering technology should take this course.

Engineering Design Principles (Engineering II)

Grade 10-12

Prerequisite: Successful Completion of Engineering I (C average or better)

Certification opportunity: AutoDesk Inventor

Requirements: Reliable Internet access outside of school

Principles of Engineering (POE) is a science elective course designed for students with a high aptitude in mathematics and science interested in pursuing a career in science, technology, engineering and math. This course will expose students to a broad range of engineering topics including Newtonian mechanics, thermodynamics, strength of structures and materials, automation, energy and power, electronics, control systems, and kinematics. Students will continue to develop skills in problem solving, research, design process and documentation as they complete a variety of task-oriented projects throughout the course. This course is the second in a series of two for students that have a serious interest in pursuing a career in the fields of engineering or engineering technology.

Social Studies

AP Seminar

Grades 10-12

Prerequisites: B or high in honors, gifted, or AP English course

Required: Course fee, Advanced Placement exam

AP Seminar teaches you how to find and use evidence from experts, and how to present the case from your own perspective effectively, both through writing and multimedia presentations. Students will choose what real-world contemporary issues or academic topics to investigate.

Comparative Government Advanced Placement

Grade 10-12

The course uses a comparative approach to examine the political structures, policies, and political, economic, and social challenges of six selected countries: China, Iran, Mexico, Nigeria, Russia, and the United Kingdom. Students cultivate their understanding of comparative government and politics through analysis of data and text-based sources as they explore topics like power and authority, legitimacy and stability, democratization, internal and external forces, and methods of political analysis.

Contemporary Issues

Grade 11-12

Prerequisite: Government

Current Affairs/Contemporary Issues is an introductory course designed to increase the students' understanding of the issues and the world around them. Students should have taken Government prior to taking Current Affairs/Contemporary Issues. Subjects investigated during the course will include (but will not be limited to): Scientific innovations, politics, environmental issues, medical breakthroughs, court rulings, the economy, changes in governmental composition, upcoming trials, differing cultures, negotiating reliable information sources, and travel around the world. The students will participate in discussions and research stimulating topics that affect the world around us.

European History Advanced Placement

Grade 12

AP European History is an introductory college-level European history course. Students cultivate their understanding of European history by analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like the interaction of Europe and the world, economic and commercial developments, cultural and intellectual developments, states, and other institutions of power; social organization and development; national and European identity; and technological and scientific innovation.

Gifted Independent Research

Grades 11 and 12

Prerequisites: Gifted IEP in STPSB

Students will explore their passions and develop advanced research skills. Throughout the course, they will be immersed in the research process from inception to completion of a self-selected project for which they will gather, evaluate, document, and synthesize sources including scholarly articles from academic journals, data and information from credible sites and publications, authentic data through self-designed methods, anecdotal evidence, and other mediums such as interviews. Finally, they will present their findings through various mediums that may include but are not limited to short films, works of art, speeches or performances, fictional or nonfictional creative writing, and video series. This course will enhance and encourage the development of critical and creative thinking skills, self-directed learning, and problem solving as well as prepare students for the rigor of college and career through organizational methods, accountability checks, and seminar discussions.

Government

Grade 10

Government is an introductory level course designed to make students become informed citizens by exploring the goal of a “more perfect union” and the role of the individual in the decision making process of the United States government. They will learn about the foundations, structure, and functions of the US government, politics and the role of the citizen, economic concepts, and financial literacy. Students are expected to present their work in a variety of formats including formal essays and presentations, informal discussion, and/or creative projects.

Government and Politics Advanced Placement

Grade 10-12

Recommended prerequisites: Honors or gifted English with an A or B in the course.

Required: Advanced Placement exam

This course is the high school equivalent to a college introductory course in United States government and politics. It is an analytical look at the institutions, groups, beliefs and ideas that constitute U.S. politics and is designed to prepare students for the Advanced Placement exam in May.

Government and Politics Advanced Placement Gifted

Grade 10

Required: Identification as Gifted by STPSB

AP Gifted Government is an advanced course designed to bring students into a deeper understanding of the foundations of government and civics. Through its six units, Gifted Government offers students an exposure to civic education and governmental and political processes. In addition, the foundations of economics will be taught since government actions and reactions are often driven by economic issues. The course will emphasize critical thinking, problem solving, discussion and debating, and writing skills to assist students in their academic success. Students will explore the U.S. government and economics through primary and secondary sources, videos, data, images, political cartoons, maps and other artifacts. Students will work alone and in groups to complete projects that will demonstrate their content knowledge through their affective, research, critical thinking and creative skills. This curriculum prepares students for the U.S. History and the LEAP 2025 exam. Students in government gifted are eligible to take the AP and/or CLEP tests in May.

Government Honors

Grade 10

Government Honors is an advanced level course designed to make students become informed citizens by exploring the goal of a “more perfect union” and the role of the individual in the decision making process of the United States government. They will learn about the foundations, structure, and functions of the US government, politics and the role of the citizen, economic concepts, and financial literacy. Students are expected to present their work in a variety of formats including formal essays and presentations, informal discussion, and/or creative projects.

History of Film in the United States

Grade 11-12

Requirement: Parent permission form to view all films on syllabus

US Film/ History in Film is a junior/senior level course designed to teach students to view films and study the history that the film is based on. Students will research, analyze, discuss, write essays, create projects and participate in activities to further their understanding of the historical time period and events that the film portrays.

Human Geography Advanced Placement

Grade 9-12

Learn about the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface; use spatial concepts and landscape analysis to examine the human social organization and its environmental consequences and learn about the methods and tools geographers use in their science and practice; study the distribution, processes, and effects of the human population on the planet; learn how to use and interpret maps, data sets, geographic models, GIS, aerial photographs, and satellite images—primarily offered to 9th grade as an introductory AP course.

Human Geography Advanced Placement-Gifted

Grade 9

Required: Identification as gifted by STPSB

World Geography AP Gifted is an advanced course designed to teach students about political, physical, and cultural geography. In exploring these topics, students will be exposed to different countries' cultures, environments, current events, economies, histories, religions, and more. In addition to preparing students for future social studies courses through the development of critical thinking, students will be challenged to use their creativity, research skills, and affective skills to explore the relationship between various aspects of geography and civilizational/human development. Students will present their work in a variety of formats including group projects, papers, tests, presentations, essays, and drawing/art. World geography gifted students are eligible to take the AP Human Geography test in May.

Law Studies

Grade 11-12

Prerequisite: Government

Law studies is an introductory course designed to increase understanding of citizens' basic legal rights and responsibilities. Students should have taken U.S. Government prior to taking Law Study. Students will be exposed to local, state, and federal law, as well as Constitutional law and a review of Supreme Court cases. Law studies will prepare students for further study as consumer and court advocates, paralegal studies, pre-law and criminal justice.

Psychology

Grade 11-12

Psychology is a mid-level course designed to promote the scientific approach to the study of both animal and human behaviors and mental processes. Through the study of Psychology, we are better able to understand how the mind and body work together. This course will prepare students for college psychology. Students who are interested in Psychology, Forensic Psychology, Counseling, Public Relations, Advertising, Communications, Business, Human Resources, Tourism and Hospitality should take this course.

Psychology Dual Enrollment

Grade 11-12

Required: Course fee; Meet DE eligibility requirements

Psychology is a mid-level survey course of the science of behavior of man and other animals stressing the connections between human behavior and mental processes. Units of study include careers in the field of Psychology, the Scientific Method, Learning, Development, Social Psychology, Mental Illnesses and Disorders and Treatment and Therapy.

Sociology

Grade 10-11

Sociology is a mid-level course designed to teach students about the basic principles of sociology. Students will be exposed to the study of culture, society, social organizations, and social relationships. This course is for students that are interested in investigating the social causes and consequences of: personal identity, conflict, deviant behavior, crime, poverty and other social issues.

Sociology Dual Enrollment

Grade 11-12

Required: Course Fee; meet DE eligibility requirements

Sociology is an advanced level survey course of culture, groups, social institutions and organizations, society and the social self and identity and inequality. Particular emphasis is placed on living in today's world and developing a sociological perspective. This is a required and/ Social Sciences course for many degree programs at most Louisiana colleges and universities. All students interested in earning Dual Enrollment credit should take this course. Upon successful completion of this course, students will earn 3 hrs. of college credit

US History

Grade 11

US History is a mid-level course designed to study the history of America in six units from Industrialization through the World Wars, the Cold War, and post-Cold War era to present day. Students will be exposed to primary and secondary sources, charts, graphs, and videos that will prepare them for World History and the LEAP 2025.

US History Advanced Placement

Grade 11-12

Explore events of U.S. history through the use and analysis of documents, images, cartoons, quantitative data, and other primary sources; develop an understanding of major themes in U.S. history, including American identity, economic and social life, political change and continuity, and the U.S. role in the world; learn about the developments that have shaped U.S. history through the critical analysis of historical events and materials; learn to weigh evidence and interpretations to build your factual knowledge of U.S. history. Develop the ability to draw conclusions and use informed reasoning to present arguments clearly and persuasively in essay format.

US History Dual Enrollment

Grade 11-12

Required: Meet DE eligibility Requirements

History 2020: American History since 1877. Credit 3 hours. No prerequisites. A survey of American History from the age of discovery to 1877. Four units on the Emergence of Modern America (1877-1917); World Wars and the New Deal (1917-1945); the Cold War and Civil Rights (1945-1976); and the New World Order (1976-Present). This class will be offered as a dual-enrollment class with high school American History. The college segment of the class will have four units as specified in the catalogue, each with ten 50-minute lectures to be delivered by various HIPS faculty with appropriate expertise, broadcast on the Southeastern Channel, and available via streaming video from the Southeastern website. To earn credit for History 202 students must complete the full high school course on American History from the Renaissance to the present; view all lectures; complete all readings assigned by Southeastern's Department of History and Political Science; and earn a cumulative passing grade on four college-level exams and sixteen quizzes.

US History Advanced Placement-Gifted

Grade 11

Required: Identification as gifted by STPSB

US History Gifted is an advanced level course designed to study the history of America in six units which include topics such as Industrialization, the Great Depression and New Deal, the World Wars, the Cold War, and events of the 1980s-2000s. Students explore these eras through primary and secondary resources, videos, data, images, political cartoons, maps, and other artifacts. Students work alone and in groups to complete projects to demonstrate their content knowledge and research skills. In addition to fostering college-readiness through critical thinking, students will be challenged to use their creativity, research skills, and affective skills to explore the relationship between and amongst past events and the present. Students will present their work in a variety of formats including group projects, papers, tests, presentations, essays, and drawing/art. This curriculum prepares the students for the LEAP 2025. US History Gifted students are eligible to the AP and/or CLEP tests in May.

US History Honors

Grade 11

Honors: Teacher Recommendation

US History H is an advanced level course designed to study the history of America in six units from Industrialization through the World Wars, the Cold War, and post-Cold War era to present day. Students will be exposed to primary and secondary sources, charts, graphs, and videos that will prepare them for World History and the LEAP 2025. Honors students are required to complete a course project.

World Geography

Grade 9-12

World Geography is an introductory course designed to teach students about the basic principles of geography. Students will be exposed to the different cultures around the world focusing on history, current events, and the environment. Concepts and skills covered in this course will help prepare students for future Social Studies classes.

World Geography Honors

Grade 9-12

Required: Teacher recommendation

World geography is a mid-level course designed to teach students about the principles of geography. Students will be exposed to the different cultures around the world focusing on history, current events, and the environment. Concepts and skills covered in this course will help prepare students for future Social Studies classes. Students must complete a St. Tammany Parish School Board required project.

World History

Grade 12

World History is an advanced level course designed to teach students to examine the history of the world from the Renaissance to the present day. Students will be taught how to properly analyze primary and secondary sources, reasoning skills, and how to form persuasive arguments, skills that will prepare them for their next course, college, or beyond.

World History Advanced Placement

Grade 12

Required: Course fee, Advanced Placement exam

AP World History is an advanced level course designed to be the equivalent of a two-semester introductory college or university world history course. Students will be exposed to significant events, individuals, developments, and processes in four historical periods from approximately 1200 C.E. to the present. Students will develop and use the same skills, practices, and methods used by historians, such as analyzing primary and secondary sources, making historical comparisons, utilizing reasoning about contextualization, causation, and continuity and change over time, and developing historical arguments that will prepare them for college and beyond. AP students are required to take the AP Exam in the spring.

World History Dual Enrollment (up to 1500)

Grade 11-12

Required: Meet DE eligibility requirements; course fee

History 1010: Western Civilization to 1500 - Catalogue Description History 1010: Western Civilization to 1500. Credit 3 hours. No prerequisites. A survey of Western Civilization from prehistoric times to 1500. Four units on the Ancient Near East, the Ancient Greeks, the Ancient Roman World, and the Middle Ages. Includes in-depth coverage of the role of women. College Credit Via Dual Enrollment Because Louisiana high schools do not have a World History class equivalent to History 1010, this class usually will be offered as a television/streaming video class (for exceptions contact the Dual Enrollment Instructor of Record). The class will have four units as specified in the catalogue, each with ten about 1 hour lectures broadcast on the Southeastern Channel, and available via streaming video from the Southeastern website, and accessible through links in your CanvasDE course. To earn college credit for History 1010, students must view all forty- four lectures; complete all readings assigned by Southeastern's Department of History and Political Science; and earn a cumulative passing grade on four college-level exams and additional quizzes. The Dual Enrollment Coordinator will be instructor of record and will be responsible for quizzes, exams, grades, etc. Students must have adequate access to technology resources to complete this course.

World History Dual Enrollment (since 1500)

Grade 11-12

Required: Meet DE eligibility requirements; course fee

History 1020: Western Civilization since 1500. Credit 3 hours. No prerequisites. A survey of Western Civilization from 1500 to the present. Four units on the Renaissance and Reformation (to 1610); Absolutism and Enlightenment (1610-1789); Revolutions and Nationalism (1789-1914); and Modern Europe (1914-present). Includes in-depth coverage of the role of women. COLLEGE CREDIT VIA DUAL ENROLLMENT College Credit Via Dual Enrollment Because Louisiana high schools do not have a World History class equivalent to History 1020, this class usually will be offered as a television/streaming video class (for exceptions contact the Dual Enrollment Instructor of Record). The class will have four units as specified in the catalogue, each with ten about 1 hour lectures broadcast on the Southeastern Channel, and available via streaming video from the Southeastern website, and accessible through links in your CanvasDE course. To earn college credit for History 1020, students must view all forty- four lectures; complete all readings assigned by Southeastern's Department of History and Political Science; and earn a cumulative passing grade on four college-level exams and additional quizzes. The Dual Enrollment Coordinator will be instructor of record and will be responsible for quizzes, exams, grades, etc. Students must have adequate access to technology resources to complete this course. Southeastern's History 1020 Dual Enrollment course may be facilitated in a year-long format or in a semester-long format.

FHS Jump Start Graduation Pathways

The Louisiana Department of Education documents that follow are drawn directly from the state's website. They include *all* courses included in each pathway. Note that Fontainebleau High School does not offer every course listed. See the previous pages to confirm the courses offered at FHS.



AGRICULTURE, FOOD & NATURAL RESOURCES

For incoming freshmen beginning 2020–2021

OVERVIEW

The Agriculture, Food and Natural Resources Jump Start 2.0 Pathway immerses students in the fields of agriculture and related sciences. This pathway equips students with the knowledge of basic animal, plant, and soil science; plant cultivation and soil conservation; and agricultural operations such as farming, ranching, and logging. Pathway coursework also provides instruction in subjects such as climate, air, soil, water, land, fish, wildlife, and plant resources; basic principles of environmental science and natural resource management; and agricultural business. Students will also learn of the recreational and economic uses of renewable and nonrenewable natural resources.

COLLEGE AND CAREER CONNECTIONS

Finding high-wage career opportunities directly out of high school can be challenging. It typically requires advanced capstone credentials accompanied by work experience and/or apprenticeships in the field.

High School to Career	Community/Technical College to Career	University to Career
Crop Scout and Farm Laborer	Agricultural Mechanics Technology Technician	Ag Ed Leadership
Meat, Poultry, & Fish Cutter	Grain/Farm Manager	Food/Animal Science
Logger, Tree Tagger	Forestry and Conservation Technician	Horticulture/Forestry Science
Environmental Sampling Technician	Environmental Monitoring	Environmental Management Systems

CAPSTONE CREDENTIALS

In order to graduate, Jump Start students must earn at least one credential from the options below.

Regional (Emerging)	Basic	Advanced
Career and Technical Certificate (LCTCS)*	Certificate of Technical Studies (LCTCS)*	Technical Diploma (LCTCS)*
Agricultural Career Development	Agriculture Mechanics	Forestry (Louisiana Forestry Association)
Agricultural Leadership Development	Ducks Unlimited Ecology Conservation and Management Certification	Water Production Operator I, Water Treatment Operator I, AND Water Distribution Operator I
BASF Plant Science Certification	FAA Part 107: Small Unmanned Aircraft Operations	
Meat Processing	Four Stroke Engine Technician	
	Geographic Information System - Entry Level Technician Certification	
	Louisiana Agritechnology (Louisiana Farm Bureau Federation)	
	Louisiana Department of Health, Office of Public Health-Engineering Services: • Water Production Operator I • Water Treatment Operator I • Water Distribution Operator I	

*Aligned to pathway.

UNIVERSAL DOCUMENTS

[CDF ELIGIBLE COURSES](#)

[JUMP START FUNDING](#)

[UNIVERSAL COURSE CODES](#)

Course Code	Max Credits	Min Credits	Course Name	Actions
100303	1	1	ADVANCED NUTRITION AND FOOD (1 CREDIT)	
100301	0.5	0.5	ADVANCED NUTRITION AND FOOD (1/2 CREDIT)	
110590	1	0.5	ADVANCED TECHNICAL DRAFTING	
110830	1	0.5	AEROSPACE ENGINEERING (1 CREDIT)	
010444	1	0.5	AG CONST. TECH (1 CREDIT)	
010364	1	0.5	AG LEADERSHIP (1 CREDIT)	
010446	1	0.5	AG POWER EQUIPMENT (1 CREDIT)	
010443	1	0.5	AGRIBUSINESS (1 CREDIT)	
010343	0.5	0.5	AGRIBUSINESS (1/2 CREDIT)	
010501	1	1	AGRICULTURAL EDUCATION ELECTIVE I (1 CREDIT)	
010500	0.5	0.5	AGRICULTURAL EDUCATION ELECTIVE I (1/2 CREDIT)	
010502	2	2	AGRICULTURAL EDUCATION ELECTIVE I (2 CREDITS)	
010503	3	1.5	AGRICULTURAL EDUCATION ELECTIVE I (3 CREDITS)	
010511	1	1	AGRICULTURAL EDUCATION ELECTIVE II (1 CREDIT)	
010510	0.5	0.5	AGRICULTURAL EDUCATION ELECTIVE II (1/2 CREDIT)	
010512	2	2	AGRICULTURAL EDUCATION ELECTIVE II (2 CREDITS)	
010513	3	1.5	AGRICULTURAL EDUCATION ELECTIVE II (3 CREDITS)	
010404	3	1.5	AGRISCIENCE ELECT I (3 CREDITS)	
010412	1	1	AGRISCIENCE ELECT II (1 CREDIT)	
010411	0.5	0.5	AGRISCIENCE ELECT II (1/2 CREDITS)	
010413	2	2	AGRISCIENCE ELECT II (2 CREDITS)	
010414	3	1.5	AGRISCIENCE ELECT II (3 CREDITS)	
010402	1	1	AGRISCIENCE ELECTIVE	
010401	0.5	0.5	AGRISCIENCE ELECTIVE I (1/2 CREDIT)	
010403	2	2	AGRISCIENCE ELECTIVE I (2 CREDITS)	
010301	1	1	AGRISCIENCE I	Remove 2023 - Universal Course List
010302	1	0.5	AGRISCIENCE II	
010303	1	0.5	AGRISCIENCE III	
010304	1	0.5	AGRISCIENCE IV	
010344	0.5	0.5	AGRISCIENCE-CONSTRUCTION (1/2 CREDIT)	
010354	0.5	0.5	AGRISCIENCE-LEADERSHIP DEVELOPMENT (1/2 CREDIT)	
010347	0.5	0.5	ANIMAL SCIENCE (1/2 CREDIT)	
220310	1	0.5	AP HUMAN GEOGRAPHY	
313100	1	1	AWS WELDING I (1 credit)	
313099	0.5	0.5	AWS WELDING I (1/2 CREDIT)	
313102	2	2	AWS WELDING I (2 credits)	
313103	3	1.5	AWS WELDING I (3 credits)	
313105	1	1	AWS WELDING II (1 credit)	
313106	2	2	AWS WELDING II (2 credits)	
313107	3	1.5	AWS WELDING II (3 credits)	
310400	1	0.5	BASIC ELECTRICITY I (1 CREDIT)	
310402	2	2	BASIC ELECTRICITY I (2 CREDITS)	
310403	3	1.5	BASIC ELECTRICITY I (3 CREDITS)	
110560	1	0.5	BASIC TECHNICAL DRAFTING	
010356	1	0.5	BIOTECHNOLOGY in AGRISCIENCE (1 credit)	
040307	1	0.5	Business Math	
010380	0.5	0.5	CANINE CARE & TRAINING (1/2 CREDIT)	
010331	1	0.5	CAREER READINESS AGRISCIENCE AGRIBUSINESS NATURAL RESOURCES	
310600	1	0.5	CARPENTRY I (1 CREDIT)	
310602	2	2	CARPENTRY I (2 CREDITS)	

Course Code	Max Credits	Min Credits	Course Name	Actions
310603	3	1.5	CARPENTRY I (3 CREDITS)	
310605	1	0.5	CARPENTRY II (1 CREDIT)	
310612	2	2	CARPENTRY II (2 CREDITS)	
310613	3	1.5	CARPENTRY II (3 CREDITS)	
010475	1	0.5	CASE (CURRICULUM for AGRI and SC ED) ANIMAL SCIENCE (1 CR)	
010474	1	0.5	CASE (CURRICULUM for AGRI and SC ED) PLANT SCIENCE (1 CR)	
010332	1	0.5	CASE: FOOD SCIENCE AND SAFETY	
010333	1	0.5	CASE: INTRODUCTION TO AGRISCIENCE, FOOD, & NATURAL RESOURCES	
080058	3	1	CDF-Qualifying Pre-Apprenticeship I: CITF Millwright	Added 2024 -2025
080058	3	1	CDF-Qualifying Pre-Apprenticeship I: CITF Millwright	Added 2024 -2025
080054	3	1	CDF-Qualifying Pre-Apprenticeship I: CITF Welding	Added 2024 -2025
080054	3	1	CDF-Qualifying Pre-Apprenticeship I: CITF Welding	Added 2024 -2025
080051	3	1	CDF-Qualifying Pre-Apprenticeship II: CITF Carpentry	Added 2024 -2025
080051	3	1	CDF-Qualifying Pre-Apprenticeship II: CITF Carpentry	Added 2024 -2025
080055	3	1	CDF-Qualifying Pre-Apprenticeship II: CITF Welding	Added 2024 -2025
080055	3	1	CDF-Qualifying Pre-Apprenticeship II: CITF Welding	Added 2024 -2025
150401	1	0.5	CHEMISTRY	
150413	1	0.5	Chemistry I: DE - CCEM 1013 General Chemistry Survey I	Added 2024 -2025
150414	1	0.5	Chemistry I: DE - CCEM 1103 Chemistry I	Added 2024 -2025
150415	1	0.5	Chemistry I: DE - CCEM 1123 Chemistry I (Sci Majors)	Added 2024 -2025
150412	1	0.5	Chemistry I: Gifted	Added 2024 -2025
150400	1	0.5	Chemistry I: Honors	Added 2024 -2025
110570	1	0.5	CMAD Drafting	
110571	2	2	CMAD Drafting (2 credit)	
110572	3	1.5	CMAD Drafting (3 credit)	
312095	1	0.5	Comparative Anatomy and Physiology (LSU Partnership)	
040220	1	0.5	COMPUTER TECHNOLOGY LITERACY	
010323	3	1.5	COOPERATIVE AGRISCIENCE EDUCATION I (3 CREDITS)	
010325	3	1.5	COOPERATIVE AGRISCIENCE EDUCATION II (3 CREDITS)	
080800	1	0.5	DIGITAL MEDIA I (1 CREDIT)	
080802	2	2	DIGITAL MEDIA I (2 CREDITS)	
080803	3	1.5	DIGITAL MEDIA I (3 CREDITS)	
010430	1	0.5	ENVIRON STUDIES in AGRISCIENCE (1 CREDIT)	
150310	1	0.5	ENVIRONMENTAL SCIENCE	
150311	1	0.5	Environmental Science: AP Environmental Science	
150914	1	0.5	Environmental Science: DE - CEVS 1103 Environmental Science	
150913	1	0.5	Environmental Science: Gifted	Added 2024 -2025
150328	1	0.5	Environmental Science: Honors	Added 2024 -2025
010359	1	0.5	EQUINE SCIENCE (1 CREDIT)	
010349	0.5	0.5	EQUINE SCIENCE (1/2 CREDIT)	
010460	1	0.5	FLORISTRY (1 CREDIT)	
155040	1	0.5	FOOD SCIENCE	
010361	1	1	FORESTRY (1 CREDIT)	
010351	0.5	0.5	FORESTRY (1/2 CREDIT)	
310631	1	0.5	Fundamentals of Industrial Scaffolding (1 Credit)	
310632	2	2	Fundamentals of Industrial Scaffolding (2 Credits)	
110010			GENERAL TECHNOLOGY EDUCATION	Remove 2023 - Universal Course List
010103	1	0.5	GIS Entry Level 1	
010104	1	0.5	GIS Entry Level 2	
010452	1	1	HORTICULTURE (1 CREDIT)	

Course Code	Max Credits	Min Credits	Course Name	Actions
010352	0.5	0.5	HORTICULTURE I (1/2 CREDIT)	
090811	1	0.5	Intro to Biomedical Sciences (LSU Partnership)	
061141	1	0.5	Intro to Computational Thinking	
061140	1	0.5	INTRO TO COMPUTATIONAL THINKING FOR STEM (LSU PARTNERSHIP)	
312092	1	0.5	Intro to History of Water Management	
110801	1	0.5	INTRODUCTION TO ENGINEERING DESIGN (LSU PARTNERSHIP)	
311922	1	0.5	Introduction to Hazardous Materials	
110795	1	0.5	Introduction to Remote Controlled Vehicle Technologies	
080818	1	0.5	Introduction to Social Media	
312090	1	0.5	Louisiana Wetlands Ecology	
010330	1	0.5	MEAT PROCESSING (1 CREDIT)	
010601	1	0.5	NCCER CARPENTRY IN AGRISCIENCE (1 CREDIT)	
010602	2	2	NCCER CARPENTRY IN AGRISCIENCE (2 CREDITS)	
010603	3	1.5	NCCER CARPENTRY IN AGRISCIENCE (3 CREDITS)	
010604	1	0.5	NCCER Carpentry in Agriscience II (1 credit)	
010605	2	2	NCCER Carpentry in Agriscience II (2 credit)	
010606	3	1.5	NCCER Carpentry in Agriscience II (3 credit)	
010701	1	0.5	NCCER ELECTRICAL IN AGRISCIENCE (1 CREDIT)	
010702	2	2	NCCER ELECTRICAL IN AGRISCIENCE (2 CREDITS)	
010703	3	1.5	NCCER ELECTRICAL IN AGRISCIENCE (3 CREDITS)	
010704	1	0.5	NCCER Electrical in Agriscience II (1CR)	
010705	1	0.5	NCCER Electrical in Agriscience II (2CR)	
010706	1	0.5	NCCER Electrical in Agriscience II (3CR)	
010801	1	0.5	NCCER PIPEFITTING IN AGRISCIENCE (1 CREDIT)	
010802	2	2	NCCER PIPEFITTING IN AGRISCIENCE (2 CREDITS)	
010803	3	1.5	NCCER PIPEFITTING IN AGRISCIENCE (3 CREDITS)	
010804	1	0.5	NCCER Pipefitting in Agriscience II (1 credit)	
010805	2	2	NCCER Pipefitting in Agriscience II (2 credit)	
010806	3	1.5	NCCER Pipefitting in Agriscience II (3 credit)	
010901	1	0.5	NCCER WELDING IN AGRISCIENCE (1 CREDIT)	
010902	2	2	NCCER WELDING IN AGRISCIENCE (2 CREDITS)	
010903	3	1.5	NCCER WELDING IN AGRISCIENCE (3 CREDITS)	
010904	1	0.5	NCCER Welding in Agriscience II (1 credit)	
010905	2	2	NCCER Welding in Agriscience II (2 credits)	
010906	3	1.5	NCCER Welding in Agriscience II (3 credits)	
313700	1	0.5	NCCER WELDING TECHNOLOGY I (1 CREDIT)	
110741	1	0.5	NCCER WELDING TECHNOLOGY I (1 CREDIT)	
110742	2	2	NCCER WELDING TECHNOLOGY I (2 CREDITS)	
313702	2	2	NCCER WELDING TECHNOLOGY I (2 CREDITS)	
110743	3	1.5	NCCER WELDING TECHNOLOGY I (3 CREDITS)	
313703	3	1.5	NCCER WELDING TECHNOLOGY I (3 CREDITS)	
110746	1	0.5	NCCER WELDING TECHNOLOGY II (1 CREDIT)	
313705	1	0.5	NCCER WELDING TECHNOLOGY II (1 CREDIT)	
313628	0.5	0.5	NCCER WELDING TECHNOLOGY II (1/2 CREDIT)	
110747	2	2	NCCER WELDING TECHNOLOGY II (2 CREDITS)	
313712	2	2	NCCER WELDING TECHNOLOGY II (2 CREDITS)	
110748	3	1.5	NCCER WELDING TECHNOLOGY II (3 CREDITS)	
313713	3	1.5	NCCER WELDING TECHNOLOGY II (3 CREDITS)	
100302	1	1	NUTRITION AND FOOD (1 CREDIT)	
100300	0.5	0.5	NUTRITION AND FOOD (1/2 CREDIT)	
312300	1	0.5	OUTDOOR POWER EQUIPMENT TECHNICIAN I (1 CREDIT)	

Course Code	Max Credits	Min Credits	Course Name	Actions
312302	2	2	OUTDOOR POWER EQUIPMENT TECHNICIAN I (2 CREDITS)	
312303	3	1.5	OUTDOOR POWER EQUIPMENT TECHNICIAN I (3 CREDITS)	
312305	1	0.5	OUTDOOR POWER EQUIPMENT TECHNICIAN II (1 CREDIT)	
312312	2	2	OUTDOOR POWER EQUIPMENT TECHNICIAN II (2 CREDITS)	
312313	3	1.5	OUTDOOR POWER EQUIPMENT TECHNICIAN II (3 CREDITS)	
312320	1	0.5	OUTDOOR POWER EQUIPMENT TECHNICIAN III (1 CREDIT)	
312321	2	2	OUTDOOR POWER EQUIPMENT TECHNICIAN III (2 CREDITS)	
312322	3	1.5	OUTDOOR POWER EQUIPMENT TECHNICIAN III (3 CREDITS)	
312330	1	0.5	OUTDOOR POWER EQUIPMENT TECHNICIAN IV (1 CREDIT)	
312331	2	2	OUTDOOR POWER EQUIPMENT TECHNICIAN IV (2 CREDITS)	
312332	3	1.5	OUTDOOR POWER EQUIPMENT TECHNICIAN IV (3 CREDITS)	
312098	1	0.5	PLTW Environmental Sustainability	
080109	1	0.5	PLTW Principles of Engineering	
110330	1	0.5	POWER MECHANICS	
080210	1	0.5	PRE-APPRENTICESHIP I (1 CREDIT)	
080208	2	2	Pre-Apprenticeship I (2 Credits)	
080211	1	0.5	Pre-Apprenticeship II (1 Credit)	
080209	2	2	PRE-APPRENTICESHIP II (2 CREDITS)	
110810	1	0.5	PRINCIPLES OF ENGINEERING (1 CREDIT)	
110811	2	2	PRINCIPLES OF ENGINEERING (2 CREDITS)	
110864	1	0.5	PRINCIPLES OF ENGINEERING (LSU PARTNERSHIP)	
110796	1	0.5	Remote Controlled Vehicle Technologies (1 credit)	Added 2024 -2025
010375	1	0.5	SMALL ANIMAL CARE & MANAGEMENT (1 CREDIT)	
010365	0.5	0.5	SMALL ANIMAL CARE AND MANAGEMENT (1/2 CREDIT)	
010346	0.5	0.5	SMALL ENGINES (APPLICATIONS) (1/2 CREDIT)	
010390	1	0.5	VETERINARY ASSISTANT (1 CREDIT)	
010391	1	0.5	VETERINARY ASSISTANT II (1 CREDIT)	
110502	1	0.5	Water Distribution Operator DCC	
110500	1	0.5	Water Production Operator DCC	
110501	1	0.5	Water Treatment Operator DCC	



ARCHITECTURE & CONSTRUCTION

For incoming freshmen beginning 2020–2021

OVERVIEW

The Architecture and Construction Jump Start 2.0 Pathway encompasses a vast array of careers all focused on the construction, design/pre-construction, and maintenance/operations of structures. These structures include residential neighborhoods, houses, and apartments; commercial buildings, warehouses, and offices; and public churches, schools, and recreational buildings. Pathway coursework will allow students to go directly into skilled trades as carpenters, plumbers, electricians, HVAC technicians or equipment operators. Architecture and Construction students will also be well prepared to continue their education to become professional architects, drafters, engineers, operators, and project managers.

COLLEGE AND CAREER CONNECTIONS

Finding high-wage career opportunities directly out of high school can be challenging. It typically requires advanced capstone credentials accompanied by work experience and/or apprenticeships in the field.

High School to Career	Community/Technical College to Career	University to Career
HVAC, Carpenter, Electrician, Plumber, Pipefitter, Welder (Helper or Apprentice)	Multi-Craft Project & Construction Management	Architect
Construction Materials Field Technician	Building Technology Specialist	Structural Engineer
Forklift Operator	Heavy Equipment and Crane and Tower Operator	Systems Safety Engineer

CAPSTONE CREDENTIALS

In order to graduate, Jump Start students must earn at least one credential from the options below.

Regional (Emerging)	Basic	Advanced
Career and Technical Certificate (LCTCS)*	Certificate of Technical Studies (LCTCS)*	Technical Diploma (LCTCS)*
AutoDesk Revit	ABC Pelican Level 1	ABC Pelican Level 2
Carpenter International Training Fund (CITF) Career Connections: Pre-Apprentice Core Skills	ADDA Certified Architectural Apprentice Drafter	Autodesk Inventor Certified User
NCCER: • Construction Craft Laborer • Rigger • Scaffolding • Helper Modules	Autodesk Certified User AutoCAD	Carpenter International Training Fund (CITF) Career Connections: Level 2 OR 3
OSHA: • OSHA 10** • OSHA 30	Basic Access Industrial Scaffolding	Electrical Training ALLIANCE Interim Credential (etA) Levels 1-5
	Carpenter International Training Fund (CITF) Career Connections: Level 1	EPA Section 608 Certification AND Air Conditioning, Electrical, OR Heat Employment Ready
	Electrical Training ALLIANCE Interim Credential (etA): • Levels 1-3 • Level 4 • Level 5	NCCER Level 2 or above: • Carpentry • Electrical • Heavy Equipment Operations • HVAC • Insulating • Millwright • Mobile Crane Operator • Pipefitting • Plumbing • Welding
	EPA Section 608 Certification	
	FAA Part 107: Small Unmanned Aircraft Operations	
	Geographic Information System - Entry Level Technician Certification	
	Louisiana Micro-Enterprise - Statewide	
	NCCER Level 1: • Carpentry • Construction Technology • Electrical • Heavy Equipment Operations • HVAC • Insulating • Millwright • Mobile Crane Operator • Pipefitting • Plumbing • Welding	
	North America's Building Trades Unions Multi-Craft Core Curriculum (MC3)	

*Aligned to pathway. **Credential is only available to students with disabilities as indicated by a current IEP.

UNIVERSAL DOCUMENTS

[CDF ELIGIBLE COURSES](#)

[JUMP START FUNDING](#)

[UNIVERSAL COURSE CODES](#)

Course Code	Credits Allowed	Credits Required	Course Name	Actions
310383	1	0.5	Advanced Electrical Electronics	
110610	1	0.5	ADVANCED ELECTRICITY/ELECTRONICS	
110590	1	0.5	ADVANCED TECHNICAL DRAFTING	
110120	1	0.5	ADVANCED WOOD TECHNOLOGY	
010364	1	0.5	AG LEADERSHIP (1 CREDIT)	
010446	1	0.5	AG POWER EQUIPMENT (1 CREDIT)	
010501	1	1	AGRICULTURAL EDUCATION ELECTIVE I (1 CREDIT)	
010500	0.5	0.5	AGRICULTURAL EDUCATION ELECTIVE I (1/2 CREDIT)	
010502	2	2	AGRICULTURAL EDUCATION ELECTIVE I (2 CREDITS)	
010503	3	1.5	AGRICULTURAL EDUCATION ELECTIVE I (3 CREDITS)	
010511	1	1	AGRICULTURAL EDUCATION ELECTIVE II (1 CREDIT)	
010510	0.5	0.5	AGRICULTURAL EDUCATION ELECTIVE II (1/2 CREDIT)	
010512	2	2	AGRICULTURAL EDUCATION ELECTIVE II (2 CREDITS)	
010513	3	1.5	AGRICULTURAL EDUCATION ELECTIVE II (3 CREDITS)	
010412	1	1	AGRISCIENCE ELECT II (1 CREDIT)	
010411	0.5	0.5	AGRISCIENCE ELECT II (1/2 CREDITS)	
010413	2	2	AGRISCIENCE ELECT II (2 CREDITS)	
010414	3	1.5	AGRISCIENCE ELECT II (3 CREDITS)	
010402	1	1	AGRISCIENCE ELECTIVE	
010401	0.5	0.5	AGRISCIENCE ELECTIVE I (1/2 CREDIT)	
010403	2	2	AGRISCIENCE ELECTIVE I (2 CREDITS)	
010302	1	0.5	AGRISCIENCE II	
010303	1	0.5	AGRISCIENCE III	
010304	1	0.5	AGRISCIENCE IV	
310100	1	0.5	AIR CONDITIONING/REFRIGERATION I (1 CREDIT)	
310102	2	2	AIR CONDITIONING/REFRIGERATION I (2 CREDITS)	
310103	3	1.5	AIR CONDITIONING/REFRIGERATION I (3 CREDITS)	
310105	1	0.5	AIR CONDITIONING/REFRIGERATION II (1 CREDIT)	
310112	2	2	AIR CONDITIONING/REFRIGERATION II (2 CREDITS)	
310113	3	1.5	AIR CONDITIONING/REFRIGERATION II (3 CREDITS)	
310114	1	0.5	AIR CONDITIONING/REFRIGERATION III (1 CREDIT)	
310115	2	2	AIR CONDITIONING/REFRIGERATION III (2 CREDIT)	
310116	3	1.5	AIR CONDITIONING/REFRIGERATION III (3 CREDIT)	
310117	1	0.5	AIR CONDITIONING/REFRIGERATION IV (1 CREDIT)	
310118	2	2	AIR CONDITIONING/REFRIGERATION IV (2 CREDIT)	
310119	3	1.5	AIR CONDITIONING/REFRIGERATION IV (3 CREDIT)	
110580	1	0.5	ARCHITECTURAL DRAFTING	
310200	1	0.5	AUTO BODY REPAIR I (1 CREDIT)	
310202	2	2	AUTO BODY REPAIR I (2 CREDITS)	
310203	3	1.5	AUTO BODY REPAIR I (3 CREDITS)	
310205	1	0.5	AUTO BODY REPAIR II (1 CREDIT)	
310212	2	2	AUTO BODY REPAIR II (2 CREDITS)	
310213	3	1.5	AUTO BODY REPAIR II (3 CREDITS)	
310214	1	0.5	Auto Body Repair III (1 credit)	
310215	2	2	AUTO BODY REPAIR III (2 CREDITS)	
310216	3	1.5	AUTO BODY REPAIR III (3 CREDITS)	
310217	1	0.5	Auto Body Repair IV (1 credit)	
310218	2	2	AUTO BODY REPAIR IV (2 CREDITS)	
310219	3	1.5	AUTO BODY REPAIR IV (3 CREDITS)	
310300	1	0.5	AUTOMOTIVE TECHNICIAN I (1 CREDIT)	
310312	2	2	AUTOMOTIVE TECHNICIAN I (2 CREDITS)	

Course Code	Credits Allowed	Credits Required	Course Name	Actions
310313	3	1.5	AUTOMOTIVE TECHNICIAN I (3 CREDITS)	
310305	1	0.5	AUTOMOTIVE TECHNICIAN II (1 CREDIT)	
310322	2	2	AUTOMOTIVE TECHNICIAN II (2 CREDITS)	
310323	3	1.5	AUTOMOTIVE TECHNICIAN II (3 CREDITS)	
310306	1	0.5	AUTOMOTIVE TECHNICIAN III (1 CREDIT)	
310332	2	2	AUTOMOTIVE TECHNICIAN III (2 CREDITS)	
310333	3	1.5	AUTOMOTIVE TECHNICIAN III (3 CREDITS)	
310307	1	0.5	AUTOMOTIVE TECHNICIAN IV (1 CREDIT)	
310342	2	2	AUTOMOTIVE TECHNICIAN IV (2 CREDITS)	
310343	3	1.5	AUTOMOTIVE TECHNICIAN IV (3 CREDITS)	
313100	1	0.5	AWS WELDING I (1 credit)	
313102	2	2	AWS WELDING I (2 credits)	
313103	3	1.5	AWS WELDING I (3 credits)	
313105	1	0.5	AWS WELDING II (1 credit)	
313106	2	2	AWS WELDING II (2 credits)	
313107	3	1.5	AWS WELDING II (3 credits)	
313108	1	0.5	AWS Welding III (1 credit)	
313109	2	2	AWS Welding III (2 credits)	
313110	3	1.5	AWS Welding III (3 credits)	
313111	1	0.5	AWS Welding IV (1 credit)	
313112	2	2	AWS Welding IV (2 credits)	
313113	3	1.5	AWS Welding IV (3 credits)	
310400	1	0.5	BASIC ELECTRICITY I (1 CREDIT)	
310402	2	2	BASIC ELECTRICITY I (2 CREDITS)	
310403	3	1.5	BASIC ELECTRICITY I (3 CREDITS)	
310410	1	0.5	BASIC ELECTRICITY II (1 CREDIT)	
310412	2	2	BASIC ELECTRICITY II (2 CREDITS)	
310413	3	1.5	BASIC ELECTRICITY II (3 CREDITS)	
110600	1	0.5	BASIC ELECTRICITY/ELECTRONICS	
313120	1	0.5	Basic SMAW	
110560	1	0.5	BASIC TECHNICAL DRAFTING	
110100	1	0.5	BASIC WOOD TECHNOLOGY	
310620	1	0.5	Building Materials and Estimating	
040307	1	0.5	Business Math	
310621	1	0.5	Carpentry Calculations	
310600	1	0.5	CARPENTRY I (1 CREDIT)	
310602	2	2	CARPENTRY I (2 CREDITS)	
310603	3	1.5	CARPENTRY I (3 CREDITS)	
310605	1	0.5	CARPENTRY II (1 CREDIT)	
310612	2	2	CARPENTRY II (2 CREDITS)	
310613	3	1.5	CARPENTRY II (3 CREDITS)	
080230	1	0.5	CDF-QUALIFYING PRE-APPRENTICESHIP I (1 CREDIT)	Remove 2023 - Universal
080231	2	2	CDF-QUALIFYING PRE-APPRENTICESHIP I (2 CREDITS)	Remove 2023 - Universal
080050	3	1	CDF-Qualifying Pre-Apprenticeship I: CITF Carpentry	Added 2024 -2025
080054	3	1	CDF-Qualifying Pre-Apprenticeship I: CITF Welding	Added 2024 -2025
080054	3	1	CDF-Qualifying Pre-Apprenticeship I: CITF Welding	Added 2024 -2025
080233	1	0.5	CDF-QUALIFYING PRE-APPRENTICESHIP II (1 CREDIT)	
080234	2	2	CDF-QUALIFYING PRE-APPRENTICESHIP II (2 CREDITS)	
080051	3	1	CDF-Qualifying Pre-Apprenticeship II: CITF Carpentry	Added 2024 -2025
080055	3	1	CDF-Qualifying Pre-Apprenticeship II: CITF Welding	Added 2024 -2025
080055	3	1	CDF-Qualifying Pre-Apprenticeship II: CITF Welding	Added 2024 -2025

Course Code	Credits Allowed	Credits Required	Course Name	Actions
080236	1	0.5	CDF-QUALIFYING PRE-APPRENTICESHIP III (1 CREDIT)	
080237	2	2	CDF-QUALIFYING PRE-APPRENTICESHIP III (2 CREDITS)	
080239	1	0.5	CDF-QUALIFYING PRE-APPRENTICESHIP IV (1 CREDIT)	
080240	2	2	CDF-QUALIFYING PRE-APPRENTICESHIP IV (2 CREDITS)	
150401	1	0.5	CHEMISTRY	
150413	1	0.5	Chemistry I: DE - CCEM 1013 General Chemistry Survey	Added 2024 -2025
150414	1	0.5	Chemistry I: DE - CCEM 1103 Chemistry I	Added 2024 -2025
150415	1	0.5	Chemistry I: DE - CCEM 1123 Chemistry I (Sci Majors)	Added 2024 -2025
150412	1	0.5	Chemistry I: Gifted	Added 2024 -2025
150400	1	0.5	Chemistry I: Honors	Added 2024 -2025
110840	1	0.5	CIVIL ENGINEERING & ARCHITECTURE (1 CREDIT)	
110570	1	0.5	CMAD Drafting	
110571	2	2	CMAD Drafting (2 credit)	
110572	3	1.5	CMAD Drafting (3 credit)	
110850	1	0.5	COMPUTER INTEGRATED MANUFACTURING (1 CREDIT)	
040220	1	0.5	COMPUTER TECHNOLOGY LITERACY	
110108	1	0.5	Construction Math - Level 1	
110109	1	0.5	Construction Math - Level 2	
310622	1	0.5	Design, Blueprint Reading and Codes	
040207	1	0.5	DESKTOP PUBLISHING	
061114	1	0.5	DESKTOP PUBLISHING	
080800	1	0.5	DIGITAL MEDIA I (1 CREDIT)	
080802	2	2	DIGITAL MEDIA I (2 CREDITS)	
080803	3	1.5	DIGITAL MEDIA I (3 CREDITS)	
311300	1	0.5	DRAFTING & DESIGN TECHNOLOGY I (1 CREDIT)	
311302	2	2	DRAFTING & DESIGN TECHNOLOGY I (2 CREDITS)	
311303	3	1.5	DRAFTING & DESIGN TECHNOLOGY I (3 CREDITS)	
311305	1	0.5	DRAFTING & DESIGN TECHNOLOGY II (1 CREDIT)	
311312	2	2	DRAFTING & DESIGN TECHNOLOGY II (2 CREDITS)	
311313	3	1.5	DRAFTING & DESIGN TECHNOLOGY II (3 CREDITS)	
311400	1	0.5	ELECTRICIAN I (1 CREDIT)	
311402	2	2	ELECTRICIAN I (2 CREDITS)	
311403	3	1.5	ELECTRICIAN I (3 CREDITS)	
311405	1	0.5	ELECTRICIAN II (1 CREDIT)	
311412	2	2	ELECTRICIAN II (2 CREDITS)	
311413	3	1.5	ELECTRICIAN II (3 CREDITS)	
110860	1	0.5	ENGINEERING DESIGN AND DEVELOPMENT (1 CREDIT)	
110861	1	0.5	ENGINEERING DESIGN AND DEVELOPMENT (LSU PARTNERSHIP)	
080110	1	0.5	ENGINEERING DESIGN I (1 CREDIT)	
080111	2	2	ENGINEERING DESIGN I (2 CREDITS)	
080120	1	0.5	ENGINEERING DESIGN II (1 CREDIT)	
080121	2	2	ENGINEERING DESIGN II (2 CREDITS)	
150310	1	0.5	ENVIRONMENTAL SCIENCE	
150311	1	0.5	Environmental Science: AP Environmental Science	
150914	1	0.5	Environmental Science: DE - CEVS 1103 Environmental Science	
150913	1	0.5	Environmental Science: Gifted	Added 2024 -2025
150328	1	0.5	Environmental Science: Honors	Added 2024 -2025
310627	1	0.5	Exterior Finishes	
310631	1	0.5	Fundamentals of Industrial Scaffolding (1 Credit)	
310632	2	2	Fundamentals of Industrial Scaffolding (2 Credits)	
313200	1	0.5	G.M. TECHNICIAN I (1 CREDIT)	

Course Code	Credits Allowed	Credits Required	Course Name	Actions
313202	2	2	G.M. TECHNICIAN I (2 CREDITS)	
313203	3	1.5	G.M. TECHNICIAN I (3 CREDITS)	
110010	1	0.5	GENERAL TECHNOLOGY EDUCATION	
160323	1	0.5	GEOMETRY	
010103	1	0.5	GIS Entry Level 1	
010104	1	0.5	GIS Entry Level 2	
110231	1	0.5	Grinder Assistant	
311917	3	1.5	INDUSTRIAL MACHINES SHOP III (3 CREDITS)	
311900	1	0.5	INDUSTRIAL MACHINES SHOP I (1 CREDIT)	
311902	2	2	INDUSTRIAL MACHINES SHOP I (2 CREDITS)	
311903	3	1.5	INDUSTRIAL MACHINES SHOP I (3 CREDITS)	
311905	1	0.5	INDUSTRIAL MACHINES SHOP II (1 CREDIT)	
311912	2	2	INDUSTRIAL MACHINES SHOP II (2 CREDITS)	
311913	3	1.5	INDUSTRIAL MACHINES SHOP II (3 CREDITS)	
311915	1	0.5	Industrial Machines Shop III (1 credit)	
311916	2	2	INDUSTRIAL MACHINES SHOP III (2 CREDITS)	
311918	1	0.5	Industrial Machines Shop IV (1 credit)	
311919	2	2	INDUSTRIAL MACHINES SHOP IV (2 CREDITS)	
311920	3	1.5	INDUSTRIAL MACHINES SHOP IV (3 CREDITS)	
310628	1	0.5	Interior Finishes	
061141	1	0.5	Intro to Computational Thinking	
061140	1	0.5	INTRO TO COMPUTATIONAL THINKING FOR STEM (LSU PARTNERSHIP)	
110800	1	1	INTRODUCTION TO ENGINEERING DESIGN (1 CREDIT)	
110801	1	0.5	INTRODUCTION TO ENGINEERING DESIGN (LSU PARTNERSHIP)	
110799	0.5	0.5	INTRODUCTION TO ENGINEERING DESIGN I (1/2 CREDIT)	
311922	1	0.5	Introduction to Hazardous Materials	
313831	1	0.5	Introduction to Logistics	Add 2023
110795	1	0.5	Introduction to Remote Controlled Vehicle Technologies	
080818	1	0.5	Introduction to Social Media	
313836	1	0.5	Maintenance Assistant	
110005	1	0.5	MATERIALS AND PROCESSES	
110701	1	0.5	NCCER CARPENTRY I (1 CREDIT)	
313300	1	0.5	NCCER CARPENTRY I (1 CREDIT)	
110702	2	2	NCCER CARPENTRY I (2 CREDITS)	
313302	2	2	NCCER CARPENTRY I (2 CREDITS)	
110703	3	1.5	NCCER CARPENTRY I (3 CREDITS)	
313303	3	1.5	NCCER CARPENTRY I (3 CREDITS)	
110706	1	0.5	NCCER CARPENTRY II (1 CREDIT)	
313305	1	0.5	NCCER CARPENTRY II (1 CREDIT)	
110707	2	2	NCCER CARPENTRY II (2 CREDITS)	
313312	2	2	NCCER CARPENTRY II (2 CREDITS)	
110708	3	1.5	NCCER CARPENTRY II (3 CREDITS)	
313313	3	1.5	NCCER CARPENTRY II (3 CREDITS)	
110700	1	0.5	NCCER Carpentry III (1 credit)	
110704	2	2	NCCER Carpentry III (2 credits)	
110705	3	1.5	NCCER Carpentry III (3 credits)	
313317	3	1.5	NCCER Carpentry III (3 credits)	
010601	1	0.5	NCCER CARPENTRY IN AGRISCIENCE (1 CREDIT)	
010602	2	2	NCCER CARPENTRY IN AGRISCIENCE (2 CREDITS)	
010603	3	1.5	NCCER CARPENTRY IN AGRISCIENCE (3 CREDITS)	
010604	1	0.5	NCCER Carpentry in Agriscience II (1 credit)	

Course Code	Credits Allowed	Credits Required	Course Name	Actions
010605	2	2	NCCER Carpentry in Agriscience II (2 credit)	
010606	3	1.5	NCCER Carpentry in Agriscience II (3 credit)	
110709	1	0.5	NCCER Carpentry IV (1 credit)	
110710	2	2	NCCER Carpentry IV (2 credits)	
110714	3	1.5	NCCER Carpentry IV (3 credits)	
313726	1	0.5	NCCER Construction Crafts	
110110	1	0.5	NCCER CONSTRUCTION TECHNOLOGY	
311720	1	0.5	NCCER Core	Remove 2023 - Universal
110711	1	0.5	NCCER ELECTRICAL I (1 CREDIT)	
313400	1	0.5	NCCER ELECTRICAL I (1 CREDIT)	
110712	2	2	NCCER ELECTRICAL I (2 CREDITS)	
313402	2	2	NCCER ELECTRICAL I (2 CREDITS)	
110713	3	1.5	NCCER ELECTRICAL I (3 CREDITS)	
313403	3	1.5	NCCER ELECTRICAL I (3 CREDITS)	
110716	1	0.5	NCCER ELECTRICAL II (1 CREDIT)	
313405	1	0.5	NCCER ELECTRICAL II (1 CREDIT)	
110717	2	2	NCCER ELECTRICAL II (2 CREDITS)	
313412	2	2	NCCER ELECTRICAL II (2 CREDITS)	
110718	3	1.5	NCCER ELECTRICAL II (3 CREDITS)	
313413	3	1.5	NCCER ELECTRICAL II (3 CREDITS)	
313417	1	0.5	NCCER Electrical III (1 Credit)	
313418	2	2	NCCER Electrical III (2 Credits)	
313419	3	1.5	NCCER Electrical III (3 Credits)	
010701	1	0.5	NCCER ELECTRICAL IN AGRISCIENCE (1 CREDIT)	
010702	2	2	NCCER ELECTRICAL IN AGRISCIENCE (2 CREDITS)	
010703	3	1.5	NCCER ELECTRICAL IN AGRISCIENCE (3 CREDITS)	
010704	1	0.5	NCCER Electrical in Agriscience II (1CR)	
010705	1	0.5	NCCER Electrical in Agriscience II (2CR)	
010706	1	0.5	NCCER Electrical in Agriscience II (3CR)	
313420	1	0.5	NCCER Electrical IV (1 Credit)	
313421	2	2	NCCER Electrical IV (2 Credits)	
313422	3	1.5	NCCER Electrical IV (3 Credits)	
321514	1	0.5	NCCER HVACR I	Added 2024 -2025
321515	1	0.5	NCCER HVACR II	Added 2024 -2025
321516	1	0.5	NCCER HVACR III	Added 2024 -2025
321517	1	0.5	NCCER HVACR IV	Added 2024 -2025
313829	1	0.5	NCCER INSULATING I (1 CREDIT)	
313830	2	2	NCCER INSULATING I (2 CREDITS)	
313714	1	0.5	NCCER MILLWRIGHT LEVEL I (1 CREDIT)	
313740	2	2	NCCER MILLWRIGHT LEVEL I (2 CREDITS)	
313741	3	1.5	NCCER MILLWRIGHT LEVEL I (3 CREDITS)	
313720	1	0.5	NCCER MOBILE CRANE LEVEL I	
313721	1	0.5	NCCER MOBILE CRANE LEVEL II	
313605	1	0.5	NCCER PIPE FITTER II (1 CREDIT)	
110731	1	0.5	NCCER PIPEFITTER I (1 CREDIT)	
313600	1	0.5	NCCER PIPEFITTER I (1 CREDIT)	
110732	2	2	NCCER PIPEFITTER I (2 CREDITS)	
313602	2	2	NCCER PIPEFITTER I (2 CREDITS)	
110733	3	1.5	NCCER PIPEFITTER I (3 CREDITS)	
313603	3	1.5	NCCER PIPEFITTER I (3 CREDITS)	
110736	1	0.5	NCCER PIPEFITTER II (1 CREDIT)	

Course Code	Credits Allowed	Credits Required	Course Name	Actions
110737	2	2	NCCER PIPEFITTER II (2 CREDITS)	
313612	2	2	NCCER PIPEFITTER II (2 CREDITS)	
110738	3	1.5	NCCER PIPEFITTER II (3 CREDITS)	
313613	3	1.5	NCCER PIPEFITTER II (3 CREDITS)	
313617	1	0.5	NCCER PIPEFITTER III (1 CREDIT)	
313616	2	2	NCCER PIPEFITTER III (2 CREDITS)	
313620	1	0.5	NCCER PIPEFITTER IV (1 CREDIT)	
313619	2	2	NCCER PIPEFITTER IV (2 CREDITS)	
010801	1	0.5	NCCER PIPEFITTING IN AGRISCIENCE (1 CREDIT)	
010802	2	2	NCCER PIPEFITTING IN AGRISCIENCE (2 CREDITS)	
010803	3	1.5	NCCER PIPEFITTING IN AGRISCIENCE (3 CREDITS)	
010804	1	0.5	NCCER Pipefitting in Agriscience II (1 credit)	
010805	2	2	NCCER Pipefitting in Agriscience II (2 credit)	
010806	3	1.5	NCCER Pipefitting in Agriscience II (3 credit)	
312500	1	0.5	NCCER PLUMBING I (1 credit)	
312502	2	2	NCCER PLUMBING I (2 credits)	
312503	3	1.5	NCCER PLUMBING I (3 credits)	
312505	1	0.5	NCCER PLUMBING II (1 credit)	
312512	2	2	NCCER PLUMBING II (2 credits)	
312513	3	1.5	NCCER PLUMBING II (3 credits)	
313731	1	0.5	NCCER Rigging I (1 Credit)	
313732	2	2	NCCER Rigging I (2 Credit)	
313733	3	1.5	NCCER Rigging I (3 Credit)	
313734	1	0.5	NCCER Rigging II (1 Credit)	
313735	2	2	NCCER Rigging II (2 Credit)	
313736	3	1.5	NCCER Rigging II (3 Credit)	
313737	1	0.5	NCCER Rigging III (1 Credit)	
313738	2	2	NCCER Rigging III (2 Credit)	
313739	3	1.5	NCCER Rigging III (3 Credit)	
321000	1	0.5	NCCER Scaffolding Level I (1 credit)	
321001	2	2	NCCER Scaffolding Level I (2 credits)	
321002	3	1.5	NCCER Scaffolding Level I (3 credits)	
010901	1	0.5	NCCER WELDING IN AGRISCIENCE (1 CREDIT)	
010902	2	2	NCCER WELDING IN AGRISCIENCE (2 CREDITS)	
010903	3	1.5	NCCER WELDING IN AGRISCIENCE (3 CREDITS)	
010904	1	0.5	NCCER Welding in Agriscience II (1 credit)	
010905	2	2	NCCER Welding in Agriscience II (2 credits)	
010906	3	1.5	NCCER Welding in Agriscience II (3 credits)	
110741	1	0.5	NCCER WELDING TECHNOLOGY I (1 CREDIT)	
313700	1	0.5	NCCER WELDING TECHNOLOGY I (1 CREDIT)	
110742	2	2	NCCER WELDING TECHNOLOGY I (2 CREDITS)	
313702	2	2	NCCER WELDING TECHNOLOGY I (2 CREDITS)	
110743	3	1.5	NCCER WELDING TECHNOLOGY I (3 CREDITS)	
313703	3	1.5	NCCER WELDING TECHNOLOGY I (3 CREDITS)	
110746	1	0.5	NCCER WELDING TECHNOLOGY II (1 CREDIT)	
313705	1	0.5	NCCER WELDING TECHNOLOGY II (1 CREDIT)	
110747	2	2	NCCER WELDING TECHNOLOGY II (2 CREDITS)	
313712	2	2	NCCER WELDING TECHNOLOGY II (2 CREDITS)	
110748	3	1.5	NCCER WELDING TECHNOLOGY II (3 CREDITS)	
313713	3	1.5	NCCER WELDING TECHNOLOGY II (3 CREDITS)	
313621	1	0.5	NCCER Welding Technology III (1 credit)	

Course Code	Credits Allowed	Credits Required	Course Name	Actions
313622	2	2	NCCER Welding Technology III (2 credits)	
313623	3	1.5	NCCER Welding Technology III (3 credits)	
313624	1	0.5	NCCER Welding Technology IV (1 credit)	
313625	2	2	NCCER Welding Technology IV (2 credits)	
313626	3	1.5	NCCER Welding Technology IV (3 credits)	
312300	1	0.5	OUTDOOR POWER EQUIPMENT TECHNICIAN I (1 CREDIT)	
312302	2	2	OUTDOOR POWER EQUIPMENT TECHNICIAN I (2 CREDITS)	
312303	3	1.5	OUTDOOR POWER EQUIPMENT TECHNICIAN I (3 CREDITS)	
150000	1	0.5	Physics I	
110841	1	0.5	PLTW Civil Engineering and Architecture	
110862	1	0.5	PLTW Engineering Design and Development	
110802	1	0.5	PLTW Introduction to Engineering Design	
080109	1	0.5	PLTW Principles of Engineering	
080210	1	0.5	PRE-APPRENTICESHIP I (1 CREDIT)	
080208	2	2	Pre-Apprenticeship I (2 Credits)	
080211	1	0.5	Pre-Apprenticeship II (1 Credit)	
080209	2	2	PRE-APPRENTICESHIP II (2 CREDITS)	
110810	1	0.5	PRINCIPLES OF ENGINEERING (1 CREDIT)	
110811	2	2	PRINCIPLES OF ENGINEERING (2 CREDITS)	
110864	1	0.5	PRINCIPLES OF ENGINEERING (LSU PARTNERSHIP)	
310630	1	0.5	Project Management	
313727	1	0.5	Quality Controls	
110796	1	0.5	Remote Controlled Vehicle Technologies (1 credit)	Added 2024 -2025
312700	1	0.5	SHEET METAL I (1 CREDIT)	
312702	2	2	SHEET METAL I (2 CREDITS)	
312703	3	1.5	SHEET METAL I (3 CREDITS)	
312705	1	0.5	SHEET METAL II (1 CREDIT)	
312712	2	2	SHEET METAL II (2 CREDITS)	
312713	3	1.5	SHEET METAL II (3 CREDITS)	
310623	1	0.5	Site Layout	
313123	1	0.5	SMAW Pipe 5G	
313124	1	0.5	SMAW Pipe 6G	
010435	1	0.5	WOODWORKS (1 CREDIT)	



ARTS, A/V TECHNOLOGY & COMMUNICATION

For incoming freshmen beginning 2020–2021

OVERVIEW

The Arts, A/V Technology, and Communication Jump Start 2.0 Pathway prepares students to organize and manage various visual aspects of data, visual arts, performing arts, and entertainment media industries. Pathway coursework equips students to work with animation, interactive technology, video graphics, data visualization, and special effects. Coursework includes traditional fine arts media, modern media art theory, color theory, composition and perspective, equipment maintenance, studio management, and art portfolio marketing. This pathway also encompasses careers in augmented and virtual reality. Virtual reality is a computer-generated simulation of reality whereas augmented reality layers computer-generated images onto the real world.

COLLEGE AND CAREER CONNECTIONS

Finding high-wage career opportunities directly out of high school can be challenging. It typically requires advanced capstone credentials accompanied by work experience and/or apprenticeships in the field.

High School to Career	Community/Technical College to Career	University to Career
Digital Photo Retoucher	Digital and Visual Content Developer	Graphic Designer
Videographer	Video Production Assistant	Film and Video Editor
Audio/Visual Technician	Multimedia Specialist	Audio Engineer
3D Modeler	Computer Animator	Virtual Reality and Immersive Media Designer

CAPSTONE CREDENTIALS

In order to graduate, Jump Start students must earn at least one credential from the options below.

Regional (Emerging)	Basic	Advanced
Career and Technical Certificate (LCTCS)*	Certificate of Technical Studies (LCTCS)*	Technical Diploma (LCTCS)*
Autodesk: • Maya Certified User • 3ds Max Certified User	Adobe Certified Professional: • After Effects • Animate • Dreamweaver • Flash • Illustrator • InDesign • Photoshop • Premiere Pro	Adobe Certified Professional: • Visual Design • Video Design • Web Design
	Autodesk Certified User AutoCAD	Adobe Certified Expert: • Dreamweaver • Illustrator • InDesign • Photoshop • Premiere Pro
	AVID ProTools User	Autodesk Inventor Certified User
	Certified Internet Web (CIW): • Internet Business Associate • Network Technology Associate • Site Development Associate	AVID Media Composer
	Digital Media Portfolio	CIW Web Foundations Associate
	FAA Part 107: Small Unmanned Aircraft Operation	Fundamentals of JavaScript, Functional Programming and Web Development, Lvl 2
	Fundamentals of JavaScript, Functional Programming and Web Development, Lvl 1	

*Aligned to pathway.

UNIVERSAL DOCUMENTS

[CDF ELIGIBLE COURSES](#)

[JUMP START FUNDING](#)

[UNIVERSAL COURSE CODES](#)

Course Code	Credits Allowed	Credits Required	Course Name	Actions
080520	1	0.5	ADV JAVASCRIPT, PROGRAMMING, AND WEB DEVELOPMENT (1	
080526	2	2	ADV JAVASCRIPT, PROGRAMMING, AND WEB DEVELOPMENT (2 CREDITS)	
030302	1	0.5	ADVANCED BAND	
030322	1	0.5	ADVANCED ORCHESTRA	
110590	1	0.5	ADVANCED TECHNICAL DRAFTING	
080000	1	0.5	ADVANCED TELEVISION BROADCASTING I (1 CREDIT)	
080002	2	2	ADVANCED TELEVISION BROADCASTING I (2 CREDITS)	
080003	3	1.5	ADVANCED TELEVISION BROADCASTING I (3 CREDITS)	
080005	1	0.5	ADVANCED TELEVISION BROADCASTING II (1 CREDIT)	
080012	2	2	ADVANCED TELEVISION BROADCASTING II (2 CREDITS)	
080013	3	1.5	ADVANCED TELEVISION BROADCASTING II (3 CREDITS)	
061175	1	0.5	AP COMPUTER SCIENCE A	
061177	1	0.5	AP Computer Science Principles	
030508	1	0.5	AP STUDIO ART 3-D DESIGN	
030360	1	0.5	APPLIED MUSIC	
110580	1	0.5	ARCHITECTURAL DRAFTING	
030599	1	0.5	ART ELECTIVE	
030501	1	0.5	ART I	
030502	1	0.5	ART II	
030503	1	0.5	ART III	
030504	1	0.5	ART IV	
311314	0.5	0.5	AUDIO ENGINEERING	
110560	1	0.5	BASIC TECHNICAL DRAFTING	
080023	1	0.5	Basic/Advanced Film: LSU Partnership	
030300	1	0.5	BEGINNING BAND	
030310	1	0.5	BEGINNING CHOIR	
080014	1	0.5	Broadcasting I	
080015	1	0.5	Broadcasting II	
080016	1	0.5	Broadcasting III	
080017	1	0.5	Broadcasting IV	
040307	1	0.5	Business Math	
310600	1	0.5	CARPENTRY I (1 CREDIT)	
310602	2	2	CARPENTRY I (2 CREDITS)	
310603	3	1.5	CARPENTRY I (3 CREDITS)	
310605	1	0.5	CARPENTRY II (1 CREDIT)	
310612	2	2	CARPENTRY II (2 CREDITS)	
310613	3	1.5	CARPENTRY II (3 CREDITS)	
080505	1	0.5	CIW Database Design	
040517	1	0.5	CIW Essentials of Web Design	
040405	1	0.5	CIW Internet Business	
061125	1	0.5	CIW Introduction to JavaScript	
061120	1	0.5	CIW Networking Technology	
061126	1	0.5	CIW Perl Fundamentals	
040415	1	0.5	CIW Website Development	
040244	1	0.5	Coding for the Web: LSU Partnership	
310700	1	0.5	COMMERCIAL ART I (1 CREDIT)	
310702	2	2	COMMERCIAL ART I (2 CREDITS)	
310703	3	1.5	COMMERCIAL ART I (3 CREDITS)	
310705	1	0.5	COMMERCIAL ART II (1 CREDIT)	
310712	2	2	COMMERCIAL ART II (2 CREDITS)	
310713	3	1.5	COMMERCIAL ART II (3 CREDITS)	

Course Code	Credits Allowed	Credits Required	Course Name	Actions
310800	1	0.5	COMPUTER ELECTRONICS I (1 CREDIT)	
310802	2	2	COMPUTER ELECTRONICS I (2 CREDITS)	
310803	3	1.5	COMPUTER ELECTRONICS I (3 CREDITS)	
310805	1	1	COMPUTER ELECTRONICS II (1 CREDIT)	
310812	2	2	COMPUTER ELECTRONICS II (2 CREDITS)	
310813	3	1.5	COMPUTER ELECTRONICS II (3 CREDITS)	
040106	1	1	COMPUTER MULTIMEDIA PRESENTATIONS (1 CREDIT)	
040206	0.5	0.5	COMPUTER MULTIMEDIA PRESENTATIONS (1/2 CREDIT)	
061102	1	0.5	COMPUTER SCIENCE I	Remove 2023 -
061103	1	0.5	COMPUTER SCIENCE II	
310818	1	1	Computer Service Technology I	
310814	0.5	0.5	COMPUTER SERVICE TECHNOLOGY I (1/2 CREDIT)	
310820	2	2	COMPUTER SERVICE TECHNOLOGY I (2 CREDITS)	
310821	3	1.5	COMPUTER SERVICE TECHNOLOGY I (3 CREDITS)	
310819	1	0.5	Computer Service Technology II	
310822	2	2	COMPUTER SERVICE TECHNOLOGY II (2 CREDITS)	
310823	3	1.5	COMPUTER SERVICE TECHNOLOGY II (3 CREDITS)	
061112	1	0.5	COMPUTER SYSTEMS/NETWORKING I	
061136	1	0.5	COMPUTER SYSTEMS/NETWORKING II	
040220	1	0.5	COMPUTER TECHNOLOGY LITERACY	
061101	1	0.5	COMPUTER TECHNOLOGY/LITERACY	
040221	1	0.5	Cyber Literacy (NICERC Partnership)	
040213	1	0.5	Cyber Literacy I	
040215	1	0.5	Cyber Literacy II	
040222	1	0.5	Cyber Literacy II (NICERC Partnership)	
040214	1	0.5	Cyber Science	
040219	1	0.5	Cyber Science (NICERC Partnership)	
030600	1	0.5	DANCE I	
030621	1	0.5	DANCE II (1ST CREDIT)	
030631	1	0.5	DANCE III (1ST CREDIT)	
030641	1	0.5	DANCE IV (1ST CREDIT)	
080501	1	0.5	DATABASE DESIGN AND PROGRAMMING (1 CREDIT)	
040207	1	0.5	DESKTOP PUBLISHING	
061114	1	0.5	DESKTOP PUBLISHING	
061115	1	0.5	DIGITAL GRAPHICS AND ANIMATION	
080021	1	0.5	Digital Image and Motion Graphics: LSU Partnership	Remove 2023 -
080800	1	0.5	DIGITAL MEDIA I (1 CREDIT)	
080802	2	2	DIGITAL MEDIA I (2 CREDITS)	
080803	3	1.5	DIGITAL MEDIA I (3 CREDITS)	
080805	1	0.5	DIGITAL MEDIA II (1 CREDIT)	
080812	2	2	DIGITAL MEDIA II (2 CREDITS)	
080813	3	1.5	DIGITAL MEDIA II (3 CREDITS)	
080831	1	0.5	Digital Media III (1 Credit)	
080832	2	2	Digital Media III (2 Credits)	
080833	3	1.5	Digital Media III (3 Credits)	
080834	1	0.5	Digital Media IV (1 Credit)	
080835	2	2	Digital Media IV (2 Credits)	
080836	3	1.5	Digital Media IV (3 Credits)	
312414	1	0.5	DIGITAL PHOTOGRAPHY	
040241	1	0.5	Digital Story Telling: LSU Partnership	
080811	1	0.5	Entertainment Technologies	

Course Code	Credits Allowed	Credits Required	Course Name	Actions
080024	1	0.5	Film and TV: LSU Partnership	
030332	1	0.5	FINE ARTS SURVEY	
030364	1	0.5	Fine Arts Survey: AP Music Theory	
030593	1	0.5	Fine Arts Survey: DE - CART 1013 Exploring the Arts	
030592	1	0.5	Fine Arts Survey: DE - CART 1023 Introduction to Visual Arts	
030591	1	0.5	Fine Arts Survey: DE - CDNC 1013 Dance Appreciation	
030590	1	0.5	Fine Arts Survey: DE - CMUS 1013 Musc Appreciation	
080523	1	0.5	FUNDAMENTALS OF HTML, CSS, AND JAVASCRIPT (1 CREDIT)	
160323	1	0.5	GEOMETRY	
311600	1	0.5	GRAPHIC ARTS I (1 CREDIT)	
311602	2	2	GRAPHIC ARTS I (2 CREDITS)	
311603	3	1.5	GRAPHIC ARTS I (3 CREDITS)	
311605	1	0.5	GRAPHIC ARTS II (1 CREDIT)	
311612	2	2	GRAPHIC ARTS II (2 CREDITS)	
311613	3	1.5	GRAPHIC ARTS II (3 CREDITS)	
311614	1	0.5	Graphic Arts III (1 credit)	
311615	2	2	Graphic Arts III (2 credits)	
311616	3	1.5	Graphic Arts III (3 credits)	
311617	1	0.5	Graphic Arts IV (1 credit)	
311618	2	2	Graphic Arts IV (2 credits)	
311619	3	1.5	Graphic Arts IV (3 credits)	
061180	1	0.5	Interactive Computing (LSU Partnership)	
040245	1	0.5	Interactive Digital Media Capstone: LSU Partnership	
080814	1	0.5	Interactive Media I	
080815	1	0.5	Interactive Media II	
030301	1	0.5	INTERMEDIATE BAND	
061141	1	0.5	Intro to Computational Thinking	
061140	1	0.5	INTRO TO COMPUTATIONAL THINKING FOR STEM (LSU	
080500	1	1	Introduction to Programming (1 Credit)	
080860	0.5	0.5	INTRODUCTION TO PROGRAMMING (1/2 CREDIT)	
080818	1	0.5	Introduction to Social Media	
040229	1	1	Keyboarding	
040225	0.5	0.5	KEYBOARDING (1/2 CREDIT)	
040226	0.5	0.5	KEYBOARDING APPLICATIONS (1/2 CREDIT)	
030810	1	0.5	MEDIA ARTS I	
030820	1	0.5	MEDIA ARTS II	
030830	1	0.5	MEDIA ARTS III	
030840	1	0.5	MEDIA ARTS IV	
080816	1	0.5	Motion Graphics	
061116	1	0.5	MULTIMEDIA PRODUCTIONS	
030318	1	0.5	MUSIC AND MEDIA	
030319	1	0.5	MUSIC AND TECHNOLOGY	
030399	1	0.5	MUSIC ELECTIVE	
030371	1	0.5	Music: Gifted and Talented Music I	
030372	1	0.5	Music: Gifted and Talented Music II	
030373	1	0.5	Music: Gifted and Talented Music III	
030374	1	0.5	Music: Gifted and Talented Music IV	
030460	1	0.5	Music: Talented Orchestra: Advanced	Added 2024-2025
313300	1	0.5	NCCER CARPENTRY I (1 CREDIT)	
110701	1	0.5	NCCER CARPENTRY I (1 CREDIT)	Added 2023 -2024
110702	2	2	NCCER CARPENTRY I (2 CREDITS)	Add 2021-2022

Course Code	Credits Allowed	Credits Required	Course Name	Actions
313302	2	1.5	NCCER CARPENTRY I (2 CREDITS)	
313303	3	1.5	NCCER CARPENTRY I (3 CREDITS)	Add 2021-2022
110703	3	3	NCCER CARPENTRY I (3 CREDITS)	Added 2021-2022
080026	1	0.5	Operation Spark Partnership: Fundamentals of Video Game	Added 2023 -2024
080027	1	0.5	Operation Spark Partnership: Internet of Things Programming	Added 2023 -2024
030307	1	0.5	PERCUSSION ENSEMBLE	
312400	1	0.5	PHOTOGRAPHY I (1 CREDIT)	
312402	2	2	PHOTOGRAPHY I (2 CREDITS)	
312403	3	1.5	PHOTOGRAPHY I (3 CREDITS)	
312405	1	0.5	PHOTOGRAPHY II (1 CREDIT)	
312412	2	2	PHOTOGRAPHY II (2 CREDITS)	
312413	3	1.5	PHOTOGRAPHY II (3 CREDITS)	
061100	1	0.5	PLTW Computer Science Essentials	Added 2023 -2024
041025	1	0.5	PRINCIPLES OF MARKETING I	
080817	1	0.5	Principles of Visual Design	
080533	3	1.5	Professional Web and Mobile Development (3 Credits)	
040243	1	0.5	Programming for Digital Media: LSU Partnership	
050605	1	0.5	PUBLICATIONS I (NEWSPAPER)	
050603	1	0.5	PUBLICATIONS I (YEARBOOK)	
050606	1	0.5	PUBLICATIONS II (NEWSPAPER)	
050604	1	0.5	PUBLICATIONS II (YEARBOOK)	
110796	1	0.5	Remote Controlled Vehicle Technologies (1 credit)	Added 2021-2022
110797	2	1.5	Remote Controlled Vehicle Technologies (2 credits)	Added 2021-2022
110798	3	1.5	Remote Controlled Vehicle Technologies (3 credits)	Added 2021-2022
150723	1	0.5	ROBOTICS: BEGINNER (1 CREDIT)	Added 2023 -2024
030313	1	0.5	SMALL VOCAL ENSEMBLE	
080020	1	0.5	Sound Design: LSU Partnership	
051102	1	0.5	SPEECH II	
051103	1	0.5	SPEECH III	
051104	1	0.5	SPEECH IV	
030509	1	0.5	Studio Art Design: AP Studio Art 2D Design	
030520	1	0.5	Studio Art Design: DE - CART 1113 Art Structure/2D Design	
030514	1	0.5	Studio Art Design: Gifted and Talented Visual Arts I	
030515	1	0.5	Studio Art Design: Gifted and Talented Visual Arts II	
030516	1	0.5	Studio Art Design: Gifted and Talented Visual Arts III	
030517	1	0.5	Studio Art Design: Gifted and Talented Visual Arts IV	
030519	1	0.5	Studio Art Drawing: AP Studio Art Drawing	
030521	1	0.5	Studio Art Drawing: DE - CART 2203 Beginning Drawing	
030701	1	0.5	TECHNICAL THEATRE	
312800	1	0.5	TELEVISION PRODUCTION I (1 CREDIT)	
312802	2	2	TELEVISION PRODUCTION I (2 CREDITS)	
312803	3	1.5	TELEVISION PRODUCTION I (3 CREDITS)	
312805	1	0.5	TELEVISION PRODUCTION II (1 CREDIT)	
312812	2	2	TELEVISION PRODUCTION II (2 CREDITS)	
312813	3	1.5	TELEVISION PRODUCTION II (3 CREDITS)	
030702	1	0.5	THEATRE DESIGN AND TECHNOLOGY	
030703	1	0.5	THEATRE ELECTIVE I	
030700	1	0.5	THEATRE I	
030721	1	0.5	THEATRE II (1ST CREDIT)	
030731	1	0.5	THEATRE III (1ST CREDIT)	
030741	1	0.5	THEATRE IV (1ST CREDIT)	

Course Code	Credits Allowed	Credits Required	Course Name	Actions
030717	1	0.5	Theatre: DE - CTHE 1013 Introduction to Theatre	Added 2024-2025
030715	1	0.5	Theatre: DE - CTHE 2103 Acting I	Added 2024-2025
030716	1	0.5	Theatre: DE - CTHE 2113 Acting II	Added 2024-2025
030710	1	0.5	Theatre: Gifted and Talented Theatre I	
030711	1	0.5	Theatre: Gifted and Talented Theatre II	
030712	1	0.5	Theatre: Gifted and Talented Theatre III	
030713	1	0.5	Theatre: Gifted and Talented Theatre IV	
030706	1	0.5	Theatre: IB Film Study I	Added 2024-2025
030707	1	0.5	Theatre: IB Film Study II	Added 2024-2025
030708	1	0.5	Theatre: IB Film Study III	Added 2024-2025
030718	1	0.5	Theatre: IB Theatre	Added 2024-2025
030709	1	0.5	Theatre: Talented Introduction to Film Studies	Added 2024-2025
080022	1	0.5	Video Game Design: LSU Partnership	
040211	1	1	WEB DESIGN (1 CREDIT)	
040210	0.5	0.5	WEB DESIGN (1/2 CREDIT)	
080830	0.5	0.5	WEB DESIGN (1/2 CREDIT)	
040212	1	0.5	WEB DESIGN II (1 CREDIT)	



BUSINESS MANAGEMENT

For incoming freshmen beginning 2020–2021

OVERVIEW

The Business Management and Administration Jump Start 2.0 Pathway focuses on careers that plan, organize, direct, and evaluate all or part of a business organization. Students will learn fiscal responsibility when allocating and using financial, human, and material resources. Pathway coursework equips students to give support needed to make all aspects of a business run, whether training new employees or leading as a top executive. This pathway also encompasses social media use as a marketing strategy to promote and keep businesses relevant.

COLLEGE AND CAREER CONNECTIONS

Finding high-wage career opportunities directly out of high school can be challenging. It typically requires advanced capstone credentials accompanied by work experience and/or apprenticeships in the field.

High School to Career	Community/Technical College to Career	University to Career
Administrative Assistant	Executive Secretaries and Executive Administrative Assistants	Management Professional
Customer Service Representative	Human Resource Assistant	Human Resources Director
Payroll Clerk	Business and Office Management	Business and Office Operations Management
Digital Layout Designer	Communications Specialist	Social Media/Market Research Strategist

CAPSTONE CREDENTIALS

In order to graduate, Jump Start students must earn at least one credential from the options below.

Regional (Emerging)	Basic	Advanced
Career and Technical Certificate (LCTCS)*	Certificate of Technical Studies (LCTCS)*	Technical Diploma (LCTCS)*
Customer Service and Sales	Adobe Certified Professional: • After Effects • Animate • Dreamweaver • Illustrator • InDesign • Photoshop • Premiere Pro	Adobe Certified Professional: • Visual Design • Video Design • Web Design
Louisiana Micro-Enterprise - Regional	Business of Retail: Operations & Profit	Fundamentals of JavaScript, Functional Programming and Web Development, Lvl 2
Microsoft Office Specialist: • Access • Word, PowerPoint AND Excel	Business Operations Credential	
	Certified Logistics Associate or Technician (MSSC)	
	CIW Internet Business Associate	
	Geographic Information System - Entry Level Technician Certification	
	Fundamentals of JavaScript, Functional Programming and Web Development, Lvl 1	
	Louisiana Micro-Enterprise - Statewide	
	Microsoft Office Specialist consisting of Word Expert, Excel Expert, Access Expert	

*Aligned to pathway.

UNIVERSAL DOCUMENTS

[CDF ELIGIBLE COURSES](#)

[JUMP START FUNDING](#)

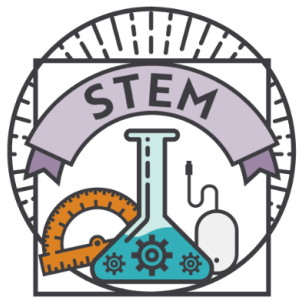
[UNIVERSAL COURSE CODES](#)

Course Code	Credits Allowed	Credits Required	Course Name	Actions
040101	1	0.5	ACCOUNTING I	Remove 2023 - Universal Course List
040104	1	0.5	ACCOUNTING II	
040201	1	0.5	ADMINISTRATIVE SUPPORT OCCUPATIONS	
080520	1	0.5	ADV JAVASCRIPT, PROGRAMMING, AND WEB DEVELOPMENT (1	
080526	2	2	ADV JAVASCRIPT, PROGRAMMING, AND WEB DEVELOPMENT (2	
080671	0.5	0.5	ADVANCED FINANCE (1/2 CREDIT)	
100303	1	1	ADVANCED NUTRITION AND FOOD (1 CREDIT)	
100301	0.5	0.5	ADVANCED NUTRITION AND FOOD (1/2 CREDIT)	
110590	1	0.5	ADVANCED TECHNICAL DRAFTING	
080000	1	0.5	ADVANCED TELEVISION BROADCASTING I (1 CREDIT)	
080002	2	2	ADVANCED TELEVISION BROADCASTING I (2 CREDITS)	
080003	3	1.5	ADVANCED TELEVISION BROADCASTING I (3 CREDITS)	
080005	1	0.5	ADVANCED TELEVISION BROADCASTING II (1 CREDIT)	
080012	2	2	ADVANCED TELEVISION BROADCASTING II (2 CREDITS)	
080013	3	1.5	ADVANCED TELEVISION BROADCASTING II (3 CREDITS)	
041042	1	0.5	ADVERTISING & SALES PROMOTION	
010302	1	0.5	AGRISCIENCE II	
010303	1	0.5	AGRISCIENCE III	
010304	1	0.5	AGRISCIENCE IV	
312913	3	1.5	BARBER I	
312912	2	2	BARBER I (2 CREDITS)	
312923	3	1.5	BARBER II	
312922	2	2	BARBER II (2 CREDITS)	
312932	2	2	BARBER III (2 CREDITS)	
312942	2	2	BARBER IV (2 CREDITS)	
110560	1	0.5	BASIC TECHNICAL DRAFTING	
125030	1	0.5	BUSINESS COMMUNICATIONS	
040305	1	0.5	BUSINESS COMMUNICATIONS	
040400	1	0.5	BUSINESS COMPUTER APPLICATIONS	Remove 2023 - Universal
080610	0.5	0.5	BUSINESS ECONOMICS (1/2 CREDIT)	
040302	1	0.5	BUSINESS ENGLISH (VOCATIONAL)	
080901	1	0.5	BUSINESS ENTERPRISES FOR THE VISUALLY IMPAIRED (1 CREDIT)	
080660	0.5	0.5	BUSINESS IN A GLOBAL ECONOMY (1/2 CREDIT)	
040303	1	0.5	BUSINESS LAW	Remove 2023 - Universal
040307	1	0.5	Business Math	
310600	1	0.5	CARPENTRY I (1 CREDIT)	
310602	2	2	CARPENTRY I (2 CREDITS)	
310603	3	1.5	CARPENTRY I (3 CREDITS)	
310605	1	0.5	CARPENTRY II (1 CREDIT)	
310612	2	2	CARPENTRY II (2 CREDITS)	
310613	3	1.5	CARPENTRY II (3 CREDITS)	
080505	1	0.5	CIW Database Design	
040405	1	0.5	CIW Internet Business	
061120	1	0.5	CIW Networking Technology	
040415	1	0.5	CIW Website Development	
040244	1	0.5	Coding for the Web: LSU Partnership	
061102	1	0.5	COMPUTER SCIENCE I	Remove 2023 - Universal Course List
040220	1	0.5	COMPUTER TECHNOLOGY LITERACY	
061101	1	0.5	COMPUTER TECHNOLOGY/LITERACY	

Course Code	Credits Allowed	Credits Required	Course Name	Actions
080250	1	0.5	CONSUMER FINANCE AND BANKING (1 CREDIT)	
310900	1	0.5	COSMETOLOGY I (1 CREDIT)	
310902	2	2	COSMETOLOGY I (2 CREDITS)	
310903	3	1.5	COSMETOLOGY I (3 CREDITS)	
310905	1	0.5	COSMETOLOGY II (1 CREDIT)	
310912	2	2	COSMETOLOGY II (2 CREDITS)	
310913	3	1.5	COSMETOLOGY II (3 CREDITS)	
310914	2	2	COSMETOLOGY III (2 CREDITS)	
310915	3	1.5	COSMETOLOGY III (3 CREDITS)	
310916	2	2	COSMETOLOGY IV (2 CREDITS)	
310917	3	1.5	COSMETOLOGY IV (3 CREDITS)	
110402	1	1	CTE Internship I (1 credit; Non-CDF)	
110406	0.5	0.5	CTE Internship I (1/2 Credit)	
110403	2	2	CTE Internship I (2 credits; Non-CDF)	
110404	1	0.5	CTE Internship II (1 credit; Non-CDF)	
110405	2	2	CTE Internship II (2 credits; Non-CDF)	
041001	1	1	CUSTOMER SERVICE (1 CREDIT)	Remove 2023 - Universal Course List
080720	0.5	0.5	CUSTOMER SERVICE (1/2 CREDIT)	Remove 2023 - Universal Course List
080532	1	0.5	DATA MANIPULATION AND ANALYSIS (LSU PARTNERSHIP)	
040207	1	0.5	DESKTOP PUBLISHING	
061114	1	0.5	DESKTOP PUBLISHING	
061115	1	0.5	DIGITAL GRAPHICS AND ANIMATION	
080800	1	0.5	DIGITAL MEDIA I (1 CREDIT)	
080802	2	2	DIGITAL MEDIA I (2 CREDITS)	
080803	3	1.5	DIGITAL MEDIA I (3 CREDITS)	
080805	1	0.5	DIGITAL MEDIA II (1 CREDIT)	
080812	2	2	DIGITAL MEDIA II (2 CREDITS)	
080813	3	1.5	DIGITAL MEDIA II (3 CREDITS)	
080831	1	0.5	Digital Media III (1 Credit)	
080832	2	2	Digital Media III (2 Credits)	
080833	3	1.5	Digital Media III (3 Credits)	
080834	1	0.5	Digital Media IV (1 Credit)	
080835	2	2	Digital Media IV (2 Credits)	
080836	3	1.5	Digital Media IV (3 Credits)	
040241	1	0.5	Digital Story Telling: LSU Partnership	
220201	1	0.5	ECONOMICS	
040208	1	0.5	ECONOMICS (VOCATIONAL)	
220603	1	0.5	Economics: AP Macroeconomics	
220605	1	0.5	Economics: AP Microeconomics	
220608	1	0.5	Economics: DE - CECN 2213 Macroeconomics	
220609	1	0.5	Economics: DE - CECN 2223 Microeconomics	
220202	1	0.5	Economics: DE - ECON 2113 Economic Principles	
220606	1	0.5	Economics: Gifted	Added 2024-2025
220610	1	0.5	Economics: IB Economics	Added 2024-2025
144200	1	0.5	ENGINEERING ECONOMY (LSU PARTNERSHIP)	
041041	1	0.5	ENTREPRENEURSHIP II (Adv Micro Ent Credential)	Remove 2023 - Universal Course List
080640	0.5	0.5	ETHICS IN BUSINESS (1/2 CREDIT)	
080630	0.5	0.5	FINANCIAL PLANNING (1/2 CREDIT)	
080620	0.5	0.5	FINANCIAL SERVICES (1/2 CREDIT)	

Course Code	Credits Allowed	Credits Required	Course Name	Actions
080523	1	0.5	FUNDAMENTALS OF HTML, CSS, AND JAVASCRIPT (1 CREDIT)	
310631	1	0.5	Fundamentals of Industrial Scaffolding (1 Credit)	
310632	2	2	Fundamentals of Industrial Scaffolding (2 Credits)	
041044	1	0.5	Fundamentals of Real Estate	
311600	1	0.5	GRAPHIC ARTS I (1 CREDIT)	
311602	2	2	GRAPHIC ARTS I (2 CREDITS)	
311603	3	1.5	GRAPHIC ARTS I (3 CREDITS)	
311605	1	0.5	GRAPHIC ARTS II (1 CREDIT)	
311612	2	2	GRAPHIC ARTS II (2 CREDITS)	
311613	3	1.5	GRAPHIC ARTS II (3 CREDITS)	
311614	1	0.5	Graphic Arts III (1 credit)	
311615	2	2	Graphic Arts III (2 credits)	
311616	3	1.5	Graphic Arts III (3 credits)	
311617	1	0.5	Graphic Arts IV (1 credit)	
311618	2	2	Graphic Arts IV (2 credits)	
311619	3	1.5	Graphic Arts IV (3 credits)	
080760	0.5	0.5	HOSPITALITY MARKETING (1/2 CREDIT)	
061141	1	0.5	Intro to Computational Thinking	
061140	1	0.5	INTRO TO COMPUTATIONAL THINKING FOR STEM (LSU PARTNERSHIP)	
31383	1	0.5	Introduction to Logistics	Added 2023-2024
080818	1	0.5	Introduction to Social Media	
040229	1	0.5	Keyboarding	
040225	0.5	0.5	KEYBOARDING (1/2 CREDIT)	
040226	0.5	0.5	KEYBOARDING APPLICATIONS (1/2 CREDIT)	
220506	1	0.5	LAW STUDIES	Remove 2023 - Universal Course List
040502	1	0.5	LODGING MANAGEMENT I (1 CREDIT)	
040503	2	2	LODGING MANAGEMENT I (2 CREDITS)	
040504	3	1.5	LODGING MANAGEMENT I (3 CREDITS)	
040505	1	0.5	LODGING MANAGEMENT II (1 CREDIT)	
040506	2	2	LODGING MANAGEMENT II (2 CREDITS)	
040507	3	1.5	LODGING MANAGEMENT II (3 CREDITS)	
080691	0.5	0.5	MANAGERIAL ACCOUNTING (1/2 CREDIT)	
041052	1	0.5	MARKETING MANAGEMENT	
041053	1	0.5	MARKETING RESEARCH	
030810	1	0.5	MEDIA ARTS I	
030820	1	0.5	MEDIA ARTS II	
030830	1	0.5	MEDIA ARTS III	
030840	1	0.5	MEDIA ARTS IV	
090151	1	0.5	MEDICAL TERMINOLOGY (1 CREDIT)	
090149	0.5	0.5	MEDICAL TERMINOLOGY (1/2 CREDIT)	
061116	1	0.5	MULTIMEDIA PRODUCTIONS	
100302	1	0.5	Nutrition and Food (1 CREDIT)	Added 2024-2025
080690	0.5	0.5	PRINCIPLES OF ACCOUNTING (1/2 CREDIT)	
040306	1	0.5	PRINCIPLES OF BUSINESS	Remove 2023 - Universal Course List
080670	0.5	0.5	PRINCIPLES OF FINANCE (1/2 CREDIT)	
080710	0.5	0.5	PRINCIPLES OF HOSPITALITY AND TOURISM (1/2 CREDIT)	
041025	1	0.5	PRINCIPLES OF MARKETING I	
041026	1	0.5	PRINCIPLES OF MARKETING II	
100307	1	1	PRO START I (1 CREDIT)	

Course Code	Credits Allowed	Credits Required	Course Name	Actions
100306	0.5	0.5	PRO START I (1/2 CREDIT)	
100308	2	2	PRO START I (2 CREDITS)	
100309	3	1.5	PRO START I (3 CREDITS)	
100321	1	0.5	PRO START II (1 CREDIT)	
100322	2	2	PRO START II (2 CREDITS)	
100323	3	1.5	PRO START II (3 CREDITS)	
080533	3	1.5	Professional Web and Mobile Development (3 Credits)	
050605	1	0.5	PUBLICATIONS I (NEWSPAPER)	
050603	1	0.5	PUBLICATIONS I (YEARBOOK)	
050606	1	0.5	PUBLICATIONS II (NEWSPAPER)	
050604	1	0.5	PUBLICATIONS II (YEARBOOK)	
041043	1	0.5	RETAIL MARKETING	
051102	1	0.5	SPEECH II	
041060	1	0.5	SPORTS AND ENTERTAINMENT MARKETING (1 CREDIT)	
041081	1	0.5	TOURISM MARKETING	
040211	1	1	WEB DESIGN (1 CREDIT)	
040210	0.5	0.5	WEB DESIGN (1/2 CREDIT)	
080830	0.5	0.5	WEB DESIGN (1/2 CREDIT)	
040203	1	0.5	WORD PROCESSING	



STEM Renaissance Pathway Brief

COMPUTING & CYBERSECURITY



AN INITIATIVE OF  **LDOE**

Computing & Cybersecurity

The Louisiana computing and cybersecurity pathway allows students to engage in a program of study that combines computer science, cybersecurity, and mathematics through project based learning. Students will be able to apply computational thinking techniques in many different STEM disciplines and demonstrate proficiency in computing in many settings. Students will explore the implications of technology usage in social interactions, learn how to protect systems from possible cyberattacks, and create interactive websites and applications. Students will discuss the ethics of advancements in robotics and artificial intelligence as they consider the value of true autonomous devices. They will build complex systems capable of multiple sensory inputs and advanced logic structures. Pathway coursework prepares TOPS University and Jump Start TOPS Tech diploma seeking students to compete in the 21st century by immersing them in the fundamentals of the field, as well as its impacts and applications in the workplace.

College and Career Connections

Finding high-wage career opportunities directly out of high school can be challenging. It typically requires advanced capstone credentials accompanied by work experience and/or apprenticeships in the field of study.

High School to Career	Community/ technical College to Career	University to Career
Audio/Visual Support IT Support Specialist Junior Computer Programmer Web Designer	Computer Forensic Analyst Computer Programmer Data Security/ Data Analyst IT Auditor	AI Specialist Computer Engineer Cybersecurity Analyst Security Informatics

****The STEM Renaissance Pathways must be used for students entering grade 9 in the 2024-2025 school year and future cohorts. The archived Louisiana STEM Pathway briefs must be followed for students in grades 10, 11, and 12 in the 2024-2025 school year. Email STEM@la.gov with any questions.**

Universal Documents

[STEM Pathways](#)

[CDF Eligible Courses](#)

[Jump Start Funding](#)

[Universal Course Codes](#)

Capstone Credentials

In order to graduate, Jump Start students must earn at least one credential from the options below.

*Please contact the individual providers to confirm if provider specific courses are structured to offer the credential.

INDUSTRY BASED CREDENTIALS: Depending on student course completion		
CIW Network Technology Associate	CIW Web Development Professional	HTML, CSS, Javascript
CIW Javascript Specialist	Comp TIA A+ Certification	Fundamentals of JavaScript, Functional Programming, and Web Development (Level 1)
CIW Database Design Specialist	Comp TIA IT Fundamentals	Fundamentals of JavaScript, Functional Programming, and Web Development (Level 2)
CIW Web Security Specialist	Comp TIA Network + Certification	Fundamentals of JavaScript, Functional Programming, and Web Development (Level 3)
CIW Web Design Professional	Comp TIA Security +	PYTHON Certification

STEM Renaissance Computing & Cybersecurity Pathway Structure

To earn the **Silver STEM Diploma Seal** students must pass one course from each of the four following concentration areas: Introductory Course, Computational Thinking Principles, Introductory Cybersecurity, and a Silver Computing Focal Course. (These course options are listed on the following chart.)

To earn the **Gold STEM Diploma Seal** students must complete the requirements for the Silver STEM Diploma Seal, pass three Computer Science courses from the approved STEM Pathway listing, and pass an additional Math or Science course. (These course options are listed on the following chart.)

To complete the **TOPS Tech Diploma** students must complete the Gold STEM Diploma Seal requirements and one course from the approved Career Readiness Course list.

Universal Documents

[STEM Pathways](#)

[CDF Eligible Courses](#)

[Jump Start Funding](#)

[Universal Course Codes](#)

Computing & Cybersecurity STEM Pathway Course Options

Concentration Area	Course Code	Course Title	Carnegie Credits
To earn the Silver STEM Diploma Seal students <u>must</u> pass one course from each of the four following concentration areas: Introductory Course, Computational Thinking Principles, Introductory Cybersecurity, and a Silver Computing Focal Course.			
Introductory Course (Select 1)	061100	PLTW Computer Science Essentials OR	1
	061179	Survey of Computer Science (LSU Partnership)	1
Focus 1: Computational Thinking Principles (Select 1)	061177	AP Computer Science Principles OR	1
	040221	Cyber Literacy (NICERC Partnership) OR	1
	061140	Introduction to Computational Thinking (LSU Partnership)	1
Focus 2: Introductory Cybersecurity (select 1)	040217	Cybersecurity (LSU Partnership) OR	1
	040224	Cybersecurity (Cyber.org Partnership) OR	1
	040209	PLTW Cybersecurity	1
Focus 3: Computing Focal Course (Select 1)	080520	Advanced Javascript, Programing, and Web Development OR	1
	080505	CIW Database Design OR	1
	040519	CIW E-Commerce Site Design and Development OR	1
	040517	CIW essentials of Web Design OR	1
	040405	CIW Internet Business OR	1
	061125	CIW Introduction to Javascript OR	1
	061121	CIW Network Security OR	1
	061120	CIW Networking Technology OR	1
	061126	CIW Pearl Fundamentals OR	1
	040415	CIW Website Development OR	1
	061130	COMP TIA+ Fundamentals of Computer Installation and Configuration OR	1
	061122	COMP TIA+ Networking Fundamentals OR	1
	061127	COMP TIA+ Programming with PL/SQL OR	1
	061138	COMP TIA+ Security OR	1
080523	Fundamentals of HTML, CSS, and Javascript	1	

Additional Course Options	Course Code	Course Title	Carnegie Credits
<p>To earn the Gold STEM Diploma Seal students must complete the requirements for the Silver STEM Diploma Seal, pass three Computer Science courses from the approved STEM Pathway listing, and pass an additional Math or Science course.</p>			
Computer Science Options (Select 3)	061177	AP Computer Science A OR	1
	061175	AP Computer Science Principles OR	1
	080520	Advanced Javascript, Programming, and Web Development OR	1
	080202	CDF - Qualifying CTE Internship I OR	1
	080505	CIW Database Design OR	1
	040519	CIW E-Commerce Site Design and Development OR	1
	040517	CIW Essentials of Web Design OR	1
	040405	CIW Internet Business OR	1
	061125	CIW Introduction to Javascript OR	1
	061121	CIW Network Security OR	1
	061120	CIW Networking Technology OR	1
	061126	CIW Pearl Fundamentals OR	1
	040415	CIW Website Development OR	1
	040244	Coding for the Web (LSU Partnership) OR	1
	061130	COMP TIA+ Fundamentals of Computer Installation and Configuration OR	1
	061122	COMP TIA+ Networking Fundamentals OR	1
	061127	COMP TIA+ Programming with PL/SQL OR	1
	061138	COMP TIA+ Security OR	1
	110850	Computer Integrated Manufacturing OR	1
	040221	Cyber Literacy I (NICERC Partnership) OR	1
	040222	Cyber Literacy II (NICERC Partnership) OR	1
	040218	Cyber Society (NICERC Partnership) OR	1
	080532	Data Analysis and Manipulation (LSU Partnership) OR	1
040241	Digital Storytelling (LSU Partnership) OR	1	
150740	First Robotics I OR	1	

Computer Science elective course options continued.			
	150750	First Robotics II OR	1
	080523	Fundamentals of HTML, CSS, and Javascript OR	1
	061180	Interactive Computing (LSU Partnership) OR	1
	0611140	Introduction to Computational Thinking (LSU Partnership) OR	1
	080500	Introduction to Programming OR	1
	144300	Programming for Engineers (LSU Partnership) OR	1
	150780	Robotics (LSU Partnership) OR	1
	150731	Robotics Advanced (LSU Partnership) OR	1
	061179	Survey of Computer Science (LSU Partnership) OR	1
	080022	Video Game Design (LSU Partnership)	1
Math <u>OR</u> Science course students should select <u>ONE</u> course option.			
Math <u>OR</u> Science course (select 1)	160347	Advanced Math- Functions and Statistics OR	1
	160346	Advanced Math- Pre-Calculus OR	1
	160501	Advanced Math-Pre-Calculus: DE-CMAT 1223 Trigonometry OR	1
	150307	Biology II: AP Biology OR	1
	160327	AP Calculus AB OR	1
	160328	AP Calculus BC OR	1
	150410	AP Chemistry OR	1
	150311	AP Environmental Science OR	1
	150794	AP Physics C: Electricity and Magnetism OR	1
	150795	AP Physics C: Mechanics OR	1
	150724	Physics I: AP Physics I- Algebra Based OR	1
	150725	Physics: AP Physics II- Calculus Based OR	1
	222004	AP Psychology OR	1
	160352	AP Statistics OR	1
	150321	Biology: DE CBIO 1013 General Biology I OR	1
	150322	Biology I: DE CBIO 1033 General Biology I (Science Majors) OR	1
	150302	Biology II OR	1

Math OR Science course options continued.		
150324	Biology II: DE CBIO 1033 General Biology I (Science Majors) OR	1
150326	Biology II: DE CBIO 1043 General Biology II (Science Majors) OR	1
149995	Biology II: DE CBIO 2103 Microbiology OR	1
160506	Calculus DE CMAT 2113-5 Calculus I OR	1
160507	Calculus DE CMAT 2123-5 Calculus II OR	1
150414	Chemistry I: DE CCEM 1103 Chemistry I OR	1
150322	Chemistry I: DE CCEM 1123 General Chemistry I (Science Majors) OR	1
150402	Chemistry II OR	1
150420	Chemistry II: DE CCEM 1123 General Chemistry II (Science Majors) OR	1
150422	Chemistry II: DE CCEM 1133 General Chemistry II (Science Majors) OR	1
150914	Environmental Science DE- CEVS 1103 OR	1
225011	Introduction to Psychology CPSY 2013 OR	1
150726	Physics I: DE CPHY 2113 Physics I (Algebra/Trig Based) OR	1
150728	Physics I: DE CPHY 2113 Physics I (Calculus Based) OR	1
150701	Physics II OR	1
160348	Pre-Calculus OR	1
160349	Probability and Statistics OR	1
160356	Probability and Statistics: DE CMAT 1303 OR	1
222001	Psychology	1

Universal Documents

[STEM Pathways](#)
 [CDF Eligible Courses](#)
 [Jump Start Funding](#)
 [Universal Course Codes](#)



HEALTH SCIENCES

For incoming freshmen beginning 2020-2021

OVERVIEW

The Health Science Jump Start 2.0 Pathway prepares students to recognize, assess, diagnose, treat, and manage patient and medical needs in pre-hospital, disaster, hospital, medical office, and/or home health care settings. Students in this pathway study basic, intermediate, and advanced EMT procedures; emergency surgical procedures; medical triage; rescue operations; crisis scene management and personnel supervision; equipment operation and maintenance; patient stabilization, monitoring, and care; drug administration; identification and preliminary diagnosis of diseases and injuries; communication and computer operations; basic anatomy, physiology, pathology, and toxicology; professional standards and regulations. This pathway exposes students to occupations in biotechnology research and development, diagnostic services, health informatics, support services, and therapeutic services in private businesses, industry, community organizations, and health care facilities. This pathway also equips students to have careers in allied health services that are preemptive and centered on wellness.

COLLEGE AND CAREER CONNECTIONS

Finding high-wage career opportunities directly out of high school can be challenging. It typically requires advanced capstone credentials accompanied by work experience and/or apprenticeships in the field.

High School to Career	Community/Technical College to Career	University to Career
Emergency Medical Technician	Paramedic	Emergency Medical Doctor
Dental Assistant/Pharmacy Aide	Dental Technician/Pharmacy Technician	Dentist/Clinical Pharmacists
Nurse Assistant	Licensed Practical Nurse	Registered Nurse
Medical Assistant	Medical Records/Health Information Technicians	Medical Doctor

CAPSTONE CREDENTIALS

In order to graduate, Jump Start students must earn at least one credential from the options below.

Regional (Emerging)	Basic	Advanced
Career and Technical Certificate (LCTCS)*	Certificate of Technical Studies (LCTCS)*	Technical Diploma (LCTCS)*
Certified Coding Associate (CCA®)	Certified Nurse Aide	Certified Clinical Medical Assistant (CCMA)
Certified EKG Technician	Dental Assistant - NOCTI	Emergency Medical Technician (EMT)
National Certified Insurance & Coding (NCICS)	Emergency Medical Responder (EMR)	Expanded Duty Dental Assistant (EDDA)
Phlebotomy Technician	IFSAC FireFighter I	IFSAC FireFighter II
	Geographic Information System - Entry Level Technician Certification	
	Patient Care Technician/Assistant	
	Pharmacy Technician Certification (ExCPT)	
	Pharmacist Technician Certification (PTCE)	

*Aligned to pathway.

UNIVERSAL DOCUMENTS

[CDF ELIGIBLE COURSES](#)

[JUMP START FUNDING](#)

[UNIVERSAL COURSE CODES](#)

Course Code	Credits Allowed	Credits Required	Course Name	Actions
090530	1	0.5	Advanced CPT Coding	
100303	1	0.5	ADVANCED NUTRITION AND FOOD (1 CREDIT)	
100301	0.5	0.5	ADVANCED NUTRITION AND FOOD (1/2 CREDIT)	
090016	0.5	0.5	AHEC OF A SUMMER CAREER EXPLORATION (1/2 CREDIT)	Added 2021-2022
155010	1	0.5	ALLIED HEALTH SCIENCE	
090101	1	0.5	ALLIED HEALTH SERVICES I (1 CREDIT)	
090102	2	2	ALLIED HEALTH SERVICES I (2 CREDITS)	
090104	1	0.5	ALLIED HEALTH SERVICES II (1 CREDIT)	
090105	2	2	ALLIED HEALTH SERVICES II (2 CREDITS)	
150306	1	0.5	ANATOMY AND PHYSIOLOGY	
150329	1	0.5	Anatomy and Physiology II	
150330	1	0.5	ANATOMY: DE-CBIO 2213 HUMAN ANATOMY & PHYSIOLOGY I	
150331	1	0.5	ANATOMY: DE-CBIO 2214 HUMAN ANATOMY & PHYSIOLOGY I	
150332	1	0.5	ANATOMY: DE-CBIO 2223 HUMAN ANATOMY & PHYSIOLOGY II	
150333	1	0.5	ANATOMY: DE-CBIO 2224 HUMAN ANATOMY & PHYSIOLOGY II	
222004	1	0.5	AP PSYCHOLOGY	
155020	1	0.5	BASIC BODY STRUCTURE AND FUNCTION	
090500	1	0.5	Basic Coding I	
090510	1	0.5	Basic Coding II	
090520	1	0.5	Basic CPT Coding	
140501	1	0.5	Bioengineering and Biomedical Engineering	
090813	1	0.5	Bioinformatics (LSU Partnership)	
150302	1	0.5	BIOLOGY II	
150307	1	0.5	Biology II: AP Biology	
149995	1	0.5	Biology II: DE - BIOL 2102 General Microbiology	
150323	1	0.5	Biology II: DE - CBIO 1013 General Biology I	Added 2024-2025
150325	1	0.5	Biology II: DE - CBIO 1023 General Biology II	Added 2024-2025
150324	1	0.5	Biology II: DE - CBIO 1033 General Biology I (Sci Majors)	Added 2024-2025
150326	1	0.5	Biology II: DE - CBIO 1043 General Biology II (Sci Majors)	Added 2024-2025
150327	1	0.5	Biology II: Gifted	Added 2024-2025
150303	1	0.5	Biology II: Honors	Added 2024-2025
150305	1	0.5	Biology II: IB Biology I	Added 2024-2025
150308	1	0.5	Biology II: IB Biology II	Added 2024-2025
090812	1	0.5	Biomedical Capstone (LSU Partnership)	
090840	1	0.5	BIOMEDICAL INNOVATION (1 CREDIT)	
040307	1	0.5	Business Math	
150401	1	0.5	CHEMISTRY	
150413	1	0.5	Chemistry I: DE - CCEM 1013 General Chemistry Survey I	Added 2024-2025
150414	1	0.5	Chemistry I: DE - CCEM 1103 Chemistry I	Added 2024-2025
150415	1	0.5	Chemistry I: DE - CCEM 1123 Chemistry I (Sci Majors)	Added 2024-2025
150412	1	0.5	Chemistry I: Gifted	Added 2024-2025
150400	1	0.5	Chemistry I: Honors	Added 2024-2025
150410	1	0.5	Chemistry II: AP Chemistry	
150505	1	0.5	Chemistry II: DE - CCEM 2213 Organic Chemistry I	
100604	1	1	Child Development (1 Credit)	
100602	0.5	0.5	CHILD DEVELOPMENT (1/2 CREDIT)	
312095	1	0.5	Comparative Anatomy and Physiology (LSU Partnership)	
040220	1	0.5	COMPUTER TECHNOLOGY LITERACY	
061101	1	0.5	COMPUTER TECHNOLOGY/LITERACY	
312094	1	0.5	Conservation Biology (LSU Partnership)	
080532	1	0.5	DATA MANIPULATION AND ANALYSIS (LSU PARTNERSHIP)	

Course Code	Credits Allowed	Credits Required	Course Name	Actions
090301	1	0.5	DENTAL ASSISTANT I (1 CREDIT)	
090302	2	2	DENTAL ASSISTANT I (2 CREDITS)	
090312	2	2	DENTAL ASSISTANT II (2 CREDITS)	
090313	3	1.5	DENTAL ASSISTANT II (3 CREDITS)	
040207	1	0.5	DESKTOP PUBLISHING	
061114	1	0.5	DESKTOP PUBLISHING	
080800	1	0.5	DIGITAL MEDIA I (1 CREDIT)	
080802	2	2	DIGITAL MEDIA I (2 CREDITS)	
080803	3	1.5	DIGITAL MEDIA I (3 CREDITS)	
080805	1	0.5	DIGITAL MEDIA II (1 CREDIT)	
080812	2	2	DIGITAL MEDIA II (2 CREDITS)	
080813	3	1.5	DIGITAL MEDIA II (3 CREDITS)	
080831	1	0.5	Digital Media III (1 Credit)	
080832	2	2	Digital Media III (2 Credits)	
080833	3	1.5	Digital Media III (3 Credits)	
080834	1	0.5	Digital Media IV (1 Credit)	
080835	2	2	Digital Media IV (2 Credits)	
080836	3	1.5	Digital Media IV (3 Credits)	
090473	1	0.5	EKG I	
090474	1	0.5	EKG II	
090943	2	2	EMERGENCY MEDICAL TECHNICIAN BASIC (2 CREDITS)	
090944	3	1.5	EMERGENCY MEDICAL TECHNICIAN- BASIC (3 CREDITS)	
150310	1	0.5	ENVIRONMENTAL SCIENCE	
150311	1	0.5	Environmental Science: AP Environmental Science	
150914	1	0.5	Environmental Science: DE - CEVS 1103 Environmental Science	
150913	1	0.5	Environmental Science: Gifted	Added 2024-2025
150328	1	0.5	Environmental Science: Honors	Added 2024-2025
100401	1	0.5	FAMILY AND CONSUMER SCIENCES I (1 CREDIT)	
155040	1	0.5	FOOD SCIENCE	
155050	1	0.5	FORENSIC SCIENCE	
312096	1	0.5	Forensic Science (LSU Partnership)	
312097	1	0.5	Genetics (LSU Partnership)	
090099	1	1	HEALTH OCCUPATION ELECTIVE (1 CREDIT)	
090001	1	1	HEALTH OCCUPATION ELECTIVE I (1 CREDIT)	
090000	0.5	0.5	HEALTH OCCUPATION ELECTIVE I (1/2 CREDIT)	
090118	2	2	HEALTH OCCUPATIONS ELECTIVE I (2 CREDITS)	
090119	3	1.5	HEALTH OCCUPATIONS ELECTIVE I (3 CREDITS)	
090611	1	0.5	HEALTH SCIENCE I (1 CREDIT)	
090612	2	2	HEALTH SCIENCE I (2 CREDITS)	
090621	1	0.5	HEALTH SCIENCE II (1 CREDIT)	
090622	2	2	HEALTH SCIENCE II (2 CREDITS)	
150334	1	0.5	Human Anatomy and Physiology	Added 2024-2025
090820	1	0.5	HUMAN BODY SYSTEMS (1 CREDIT)	
090725	3	1	IFSAC Firefighter I	Added 2024-2025
090726	3	1	IFSAC Firefighter II	Added 2024-2025
090727	3	1	IFSAC Firefighter III	Added 2024-2025
090728	3	1	IFSAC Firefighter IV	Added 2024-2025
090550	1	0.5	Information Management for Allied Health Professionals	
090811	1	0.5	Intro to Biomedical Sciences (LSU Partnership)	
090471	1	0.5	INTRODUCTION TO EMERGENCY MEDICAL TECHNOLOGY (1 CREDIT)	

Course Code	Credits Allowed	Credits Required	Course Name	Actions
090472	2	2	INTRODUCTION TO EMERGENCY MEDICAL TECHNOLOGY (2	
090930	1	0.5	INTRODUCTION TO HEALTH OCCUPATIONS (1 CREDIT)	Remove 2023 - Universal Course List
090005	1	0.5	INTRODUCTION TO PHARMACY ASSISTANT (1 CREDIT)	
150309	1	0.5	Introductory Anatomy and Physiology Laboratory	
040229	1	1	Keyboarding	
040225	0.5	0.5	KEYBOARDING (1/2 CREDIT)	
040226	0.5	0.5	KEYBOARDING APPLICATIONS (1/2 CREDIT)	
090251	1	0.5	MEDICAL ASSISTANT I (1 CREDIT)	
090252	2	2	MEDICAL ASSISTANT I (2 CREDITS)	
090254	3	1.5	MEDICAL ASSISTANT I (3 CREDITS)	
090451	1	0.5	MEDICAL ASSISTANT II (1 CREDIT)	
090452	2	2	MEDICAL ASSISTANT II (2 CREDITS)	
090461	1	0.5	MEDICAL ASSISTANT III (1 CREDIT)	
090462	2	2	MEDICAL ASSISTANT III (2 CREDITS)	
090830	1	0.5	MEDICAL INTERVENTIONS (1 CREDIT)	
165020	1	0.5	MEDICAL MATH	
090151	1	1	MEDICAL TERMINOLOGY (1 CREDIT)	
090149	0.5	0.5	MEDICAL TERMINOLOGY (1/2 CREDIT)	
090152	1	0.5	Medical Terminology II (1 credit)	
090236	1	0.5	NURSE ASSISTANT (1 CREDIT)	
090237	2	2	NURSE ASSISTANT (2 CREDITS)	
090238	3	1.5	NURSE ASSISTANT (3 CREDITS)	
100302	1	1	NUTRITION AND FOOD (1 CREDIT)	
100300	0.5	0.5	NUTRITION AND FOOD (1/2 CREDIT)	
090261	1	0.5	PATIENT CARE TECHNICIAN (1 CREDIT)	
090262	2	2	PATIENT CARE TECHNICIAN (2 CREDITS)	
090263	3	1.5	PATIENT CARE TECHNICIAN (3 CREDITS)	
090009	1	0.5	PHARMACY TECHNICIAN (1 CREDIT)	
090010	2	2	PHARMACY TECHNICIAN (2 CREDITS)	
090022	1	0.5	Phlebotomy	
90808	1	0.5	PLTW Biomedical Innovations	Added 2023-2024
90819	1	0.5	PLTW Human Body Systems	Added 2023-2024
90829	1	0.5	PLTW Medical Interventions	Added 2023-2024
90809	1	0.5	PLTW Principles of Biomedical Science	Added 2023-2024
80904	3	1	Practical Nursing Pilot I	Added 2024-2025
80905	3	1	Practical Nursing Pilot II	Added 2024-2025
080906	3	1	Practical Nursing Pilot III	Added 2024-2025
090810	1	0.5	PRINCIPLES OF THE BIOMEDICAL SCIENCES (1 CREDIT)	
090570	1	0.5	Professional Practice Medical Coding I	
090571	1	0.5	Professional Practice Medical Coding II	
222001	1	0.5	PSYCHOLOGY	
225011	1	0.5	Psychology: DE CPSY 2013 - Introduction to Psychology	
090723	1	0.5	SPORTS MEDICINE I (1 CREDIT)	
090720	0.5	0.5	SPORTS MEDICINE I (1/2 CREDIT)	
090724	1	1	SPORTS MEDICINE II (1 CREDIT)	
090721	0.5	0.5	SPORTS MEDICINE II(1/2 CREDIT)	
090722	1	0.5	SPORTS MEDICINE III (1 CREDIT)	
090011	1	0.5	Survey of Pharmacy (Xavier University Partnership)	
010390	1	0.5	VETERINARY ASSISTANT (1 CREDIT)	
010391	1	0.5	VETERINARY ASSISTANT II (1 CREDIT)	



HOSPITALITY & TOURISM

For incoming freshmen beginning 2020-2021

OVERVIEW

The Hospitality and Tourism Jump Start 2.0 Pathway prepares students for a variety of jobs within the food and lodging service industries. Pathway coursework includes instruction in food preparation, cooking techniques, equipment operation and maintenance, sanitation and safety, communication skills, applicable regulations, and principles of food management control. This pathway also encompasses the management of food service, food control, logistics, supply inventory, control, lodging and hotel marketing. Hospitality and tourism workers help people to enjoy vacations, entertainment and recreation activities and dining experiences.

COLLEGE AND CAREER CONNECTIONS

Finding high-wage career opportunities directly out of high school can be challenging. It typically requires advanced capstone credentials accompanied by work experience and/or apprenticeships in the field.

High School to Career	Community/Technical College to Career	University to Career
Research and Development Cook	Research and Development Manager	Food Scientist (Culinologist)
Line Cook	Prep Cook	Sous Chef
Front Desk Worker	Hospitality Management	Hotel Manager
Shift Lead	Food Service Manager	Restaurant Manager

CAPSTONE CREDENTIALS

In order to graduate, Jump Start students must earn at least one credential from the options below.

Regional (Emerging)	Basic	Advanced
Career and Technical Certificate (LCTCS)*	Certificate of Technical Studies (LCTCS)*	Technical Diploma (LCTCS)*
Certified Guest Room Attendant	Business of Retail: Operations & Profit	ManageFirst Professional
Certified Guest Service Professional	Certified Hospitality and Tourism Management Professional AND Certified Guest Service Professional	
Certified Hospitality and Tourism Management, Year II	Geographic Information System - Entry Level Technician Certification	
Customer Service and Sales	Louisiana Micro-Enterprise - Statewide	
Louisiana Micro-Enterprise - Regional	ProStart National Certificate of Achievement AND ServSafe Food Protection Manager	
ProStart National Certificate of Achievement AND ServSafe Food Handler		
ServSafe Food Handler		
ServSafe Food Protection Manager		

*Aligned to pathway.

UNIVERSAL DOCUMENTS

[CDF ELIGIBLE COURSES](#)

[JUMP START FUNDING](#)

[UNIVERSAL COURSE CODES](#)

Course Code	Credits Allowed	Credits Required	Course Name	Actions
100303	1	1	ADVANCED NUTRITION AND FOOD (1 CREDIT)	
100301	0.5	0.5	ADVANCED NUTRITION AND FOOD (1/2 CREDIT)	
080000	1	0.5	ADVANCED TELEVISION BROADCASTING I (1 CREDIT)	
080002	2	2	ADVANCED TELEVISION BROADCASTING I (2 CREDITS)	
080003	3	1.5	ADVANCED TELEVISION BROADCASTING I (3 CREDITS)	
080005	1	0.5	ADVANCED TELEVISION BROADCASTING II (1 CREDIT)	
080012	2	2	ADVANCED TELEVISION BROADCASTING II (2 CREDITS)	
080013	3	1.5	ADVANCED TELEVISION BROADCASTING II (3 CREDITS)	
041042	1	0.5	ADVERTISING & SALES PROMOTION	
123456	1	0.5	AMERICAN SIGN LANGUAGE I	
123457	1	0.5	AMERICAN SIGN LANGUAGE II	
222004	1	0.5	AP PSYCHOLOGY	
150450	1	0.5	APPLIED CHEMISTRY	
100331	1	0.5	BAKING AND PASTRY ARTS I (1 CREDIT)	
100332	2	2	BAKING AND PASTRY ARTS I (2 CREDITS)	
100333	3	1.5	BAKING AND PASTRY ARTS I (3 CREDITS)	
100341	1	0.5	BAKING AND PASTRY ARTS II (1 CREDIT)	
100342	2	2	BAKING AND PASTRY ARTS II (2 CREDITS)	
100343	3	1.5	BAKING AND PASTRY ARTS II (3 CREDITS)	
040305	1	0.5	BUSINESS COMMUNICATIONS	
040307	1	0.5	Business Math	
150401	1	0.5	CHEMISTRY	
150413	1	0.5	Chemistry I: DE - CCEM 1013 General Chemistry Survey I	
150413	1	0.5	Chemistry I: DE - CCEM 1013 General Chemistry Survey I	Added 2024-2025
150414	1	0.5	Chemistry I: DE - CCEM 1103 Chemistry I	Added 2024-2025
150415	1	0.5	Chemistry I: DE - CCEM 1123 Chemistry I (Sci Majors)	Added 2024-2025
150412	1	0.5	Chemistry I: Gifted	Added 2024-2025
150400	1	0.5	Chemistry I: Honors	Added 2024-2025
150402	1	0.5	CHEMISTRY II	
150410	1	0.5	Chemistry II: AP Chemistry	
150417	1	0.5	Chemistry II: DE - CCEM 1003 General, Organic and	Added 2024-2025
150418	1	0.5	Chemistry II: DE - CCEM 1013 General Chemistry Survey I	
150419	1	0.5	Chemistry II: DE - CCEM 1103 Chemistry I	Added 2024-2025
150421	1	0.5	Chemistry II: DE - CCEM 1113 Chemistry II	Added 2024-2025
150420	1	0.5	Chemistry II: DE - CCEM 1123 Chemistry I (Sci Majors)	Added 2024-2025
150422	1	0.5	Chemistry II: DE - CCEM 1133 Chemistry II (Sci Majors)	Added 2024-2025
150416	1	0.5	Chemistry II: Gifted	Added 2024-2025
150424	1	0.5	Chemistry II: Honors	Added 2024-2025
150423	1	0.5	Chemistry II: IB Chemistry I	Added 2024-2025
150411	1	0.5	Chemistry II: IB Chemistry II	Added 2024-2025
040517	1	0.5	CIW Essentials of Web Design	
040405	1	0.5	CIW Internet Business	
061112	1	0.5	COMPUTER SYSTEMS/NETWORKING I	
040220	1	0.5	COMPUTER TECHNOLOGY LITERACY	
311000	1	0.5	CULINARY OCCUPATIONS I (1 CREDIT)	
311002	2	2	CULINARY OCCUPATIONS I (2 CREDITS)	
311003	3	1.5	CULINARY OCCUPATIONS I (3 CREDITS)	
311005	1	0.5	CULINARY OCCUPATIONS II (1 CREDIT)	
311012	2	2	CULINARY OCCUPATIONS II (2 CREDITS)	
311013	3	1.5	CULINARY OCCUPATIONS II (3 CREDITS)	

Course Code	Credits Allowed	Credits Required	Course Name	Actions
041001	1	1	CUSTOMER SERVICE (1 CREDIT)	Remove 2023 - Universal Course List
080720	0.5	0.5	CUSTOMER SERVICE (1/2 CREDIT)	Remove 2023 - Universal Course List
061114	1	1	DESKTOP PUBLISHING	
040207	1	0.5	DESKTOP PUBLISHING	Remove 2023 - Universal Course List
061115	1	0.5	DIGITAL GRAPHICS AND ANIMATION	
080800	1	0.5	DIGITAL MEDIA I (1 CREDIT)	
080802	2	2	DIGITAL MEDIA I (2 CREDITS)	
080803	3	1.5	DIGITAL MEDIA I (3 CREDITS)	
080805	1	0.5	DIGITAL MEDIA II (1 CREDIT)	
080812	2	2	DIGITAL MEDIA II (2 CREDITS)	
080813	3	1.5	DIGITAL MEDIA II (3 CREDITS)	
080831	1	0.5	Digital Media III (1 Credit)	
080832	2	2	Digital Media III (2 Credits)	
080833	3	1.5	Digital Media III (3 Credits)	
080834	1	0.5	Digital Media IV (1 Credit)	
080835	2	2	Digital Media IV (2 Credits)	
080836	3	1.5	Digital Media IV (3 Credits)	
040241	1	0.5	Digital Story Telling: LSU Partnership	
150310	1	0.5	ENVIRONMENTAL SCIENCE	
150311	1	0.5	Environmental Science: AP Environmental Science	
150914	1	0.5	Environmental Science: DE - CEVS 1103 Environmental Science	
150913	1	0.5	Environmental Science: Gifted	Added 2024-2025
150328	1	0.5	Environmental Science: Honors	Added 2024-2025
100401	1	0.5	FAMILY AND CONSUMER SCIENCES I (1 CREDIT)	
100402	1	0.5	FAMILY AND CONSUMER SCIENCES II (1 CREDIT)	
100315	1	0.5	FOOD SCIENCE (1 CREDIT)	
100353	1	0.5	FOOD SERVICE TECHNICIAN (1 CREDIT)	
100361	1	0.5	FOOD SERVICES I (1 CREDIT)	
100362	2	2	FOOD SERVICES I (2 CREDITS)	
100363	3	1.5	FOOD SERVICES I (3 CREDITS)	
100371	1	0.5	FOOD SERVICES II (1 CREDIT)	
100372	2	2	FOOD SERVICES II (2 CREDITS)	
100373	3	1.5	FOOD SERVICES II (3 CREDITS)	
311600	1	0.5	GRAPHIC ARTS I (1 CREDIT)	
311602	2	2	GRAPHIC ARTS I (2 CREDITS)	
311603	3	1.5	GRAPHIC ARTS I (3 CREDITS)	
311605	1	0.5	GRAPHIC ARTS II (1 CREDIT)	
311612	2	2	GRAPHIC ARTS II (2 CREDITS)	
311613	3	1.5	GRAPHIC ARTS II (3 CREDITS)	
312943	1	0.5	Guestroom Attendant I (1 credit)	
312944	1	0.5	Guestroom Attendant I (2 credit)	
312945	1	0.5	Guestroom Attendant I (3 credit)	
312946	1	0.5	Guestroom Attendant II (1 credit)	
312947	1	0.5	Guestroom Attendant II (2 credit)	
312948	1	0.5	Guestroom Attendant II (3 credit)	
080760	0.5	0.5	HOSPITALITY MARKETING (1/2 CREDIT)	
061141	1	0.5	Intro to Computational Thinking	
061140	1	0.5	INTRO TO COMPUTATIONAL THINKING FOR STEM (LSU PARTNERSHIP)	
080500	1	1	Introduction to Programming (1 Credit)	

Course Code	Credits Allowed	Credits Required	Course Name	Actions
080860	0.5	0.5	INTRODUCTION TO PROGRAMMING (1/2 CREDIT)	
080818	1	1	Introduction to Social Media	
040229	1	1	Keyboarding	
040225	0.5	0.5	KEYBOARDING (1/2 CREDIT)	
040226	0.5	0.5	KEYBOARDING APPLICATIONS (1/2 CREDIT)	
040502	1	0.5	LODGING MANAGEMENT I (1 CREDIT)	
040503	2	2	LODGING MANAGEMENT I (2 CREDITS)	
040504	3	1.5	LODGING MANAGEMENT I (3 CREDITS)	
040505	1	0.5	LODGING MANAGEMENT II (1 CREDIT)	
040506	2	2	LODGING MANAGEMENT II (2 CREDITS)	
040507	3	1.5	LODGING MANAGEMENT II (3 CREDITS)	
041052	1	0.5	MARKETING MANAGEMENT	
010330	1	0.5	MEAT PROCESSING (1 CREDIT)	
100302	1	1	NUTRITION AND FOOD (1 CREDIT)	
100300	0.5	0.5	NUTRITION AND FOOD (1/2 CREDIT)	
040306	1	1	PRINCIPLES OF BUSINESS	
080710	0.5	0.5	PRINCIPLES OF HOSPITALITY AND TOURISM (1/2 CREDIT)	
041025	1	0.5	PRINCIPLES OF MARKETING I	
100307	1	0.5	PRO START I (1 CREDIT)	
100308	2	2	PRO START I (2 CREDITS)	
100309	3	1.5	PRO START I (3 CREDITS)	
100321	1	0.5	PRO START II (1 CREDIT)	
100322	2	2	PRO START II (2 CREDITS)	
100323	3	1.5	PRO START II (3 CREDITS)	
222001	1	0.5	PSYCHOLOGY	
225011	1	0.5	Psychology: DE CPSY 2013 - Introduction to Psychology	
050605	1	0.5	PUBLICATIONS I (NEWSPAPER)	
050603	1	0.5	PUBLICATIONS I (YEARBOOK)	
050606	1	0.5	PUBLICATIONS II (NEWSPAPER)	
050604	1	0.5	PUBLICATIONS II (YEARBOOK)	
080770	1	0.5	RESTAURANT SERVER I (1 CREDIT)	
080771	2	2	RESTAURANT SERVER I (2 CREDITS)	
080772	3	1.5	RESTAURANT SERVER I (3 CREDITS)	
080773	1	0.5	RESTAURANT SERVER II (1 CREDIT)	
080774	2	2	RESTAURANT SERVER II (2 CREDITS)	
080775	3	1.5	RESTAURANT SERVER II (3 CREDITS)	
051102	1	0.5	SPEECH II	
080740	0.5	0.5	SPORTS ENTERTAINMENT & EVENT MANAGEMENT (1/2 CREDIT)	
080750	0.5	0.5	SUSTAINABLE TOURISM (1/2 CREDIT)	
041081	1	0.5	TOURISM MARKETING	
040211	1	0.5	WEB DESIGN (1 CREDIT)	



INFORMATION TECHNOLOGY

For incoming freshmen beginning 2020–2021

OVERVIEW

The Information Technology Jump Start 2.0 Pathway prepares students for the design, development, installation, implementation, and maintenance of computer systems, software, hardware, networks, and cloud computing. Pathway coursework equips students with the knowledge of software development life cycles (SDLC), computer operating systems, programming languages, and software development. Pathway coursework also equips students to perform IT services such as implementation of computer systems and software, provision of technical assistance, develop and read technical design documents, management of information systems, and the system testing process. Students will work with cutting-edge technology to develop tomorrow's products for use by business and consumers.

COLLEGE AND CAREER CONNECTIONS

Finding high-wage career opportunities directly out of high school can be challenging. It typically requires advanced capstone credentials accompanied by work experience and/or apprenticeships in the field.

High School to Career	Community/Technical College to Career	University to Career
Software Tester	Computer Programmer	Software Engineer
Data Entry Specialist	Data Visualization Specialist	Data Analyst
Cyber Vulnerability Tester	Cyber Security Specialist	Cyber Security Analyst
Robotic Systems Tester	Robotics Process Specialist	Robotic Simulation Engineer

CAPSTONE CREDENTIALS

In order to graduate, Jump Start students must earn at least one credential from the options below.

Regional (Emerging)	Basic	Advanced
Career and Technical Certificate (LCTCS)*	Certificate of Technical Studies (LCTCS)*	Technical Diploma (LCTCS)*
Microsoft Certified Solutions Associate (MCSA)	App Development with Swift Associate	App Development with Swift Certified User
Microsoft Office Specialist: • Access • Word, PowerPoint AND Excel	Adobe Certified Associate: • After Effects • Animate • Dreamweaver • Illustrator • InDesign • Photoshop • Premiere Pro	Adobe Certified Expert Dreamweaver
Microsoft Technology Associate (MTA)	C-Tech Associates: • Smart Home Professional • Network Cabling Specialist	Adobe Certified Professional: • Visual Design • Video Design • Web Design
RobotC	CIW: • Internet Business Associate • Site Development Associate • Network Technology Associate • E-Commerce Specialist • Web Design Specialist • JavaScript Specialist 2.0 • Database Design Specialist • Perl Specialist • Web Security Associate • Web Security Specialist	Amazon Web Services: • Cloud Practitioner Foundational • Associate
	CompTIA: IT Fundamentals +	C-Tech Associates Broadband Professional
	Fundamentals of JavaScript, Functional Programming and Web Development, Lvl 1	CIW: • Web Foundations Associate • Web Design Professional • Web Development Professional • Web Security Professional
	Geographic Information System - Entry Level Technician Certification	CompTIA: • Network+ • A+ • Security+
	Microsoft Office Specialist consisting of Word Expert, Excel Expert AND Access Expert	Fundamentals of JavaScript, Functional Programming and Web Development, Lvl 2
	Oracle Database PL/SQL Developer Certified Associate Unity Certified Associate	Oracle Certified Professional (OCP) Java Programmer II
	Oracle Certified Professional (OCP) Java Programmer I	
	PYTHON Certification	
	Unity Certified User	

*Aligned to pathway.

UNIVERSAL DOCUMENTS

[CDF ELIGIBLE COURSES](#)

[JUMP START FUNDING](#)

[UNIVERSAL COURSE CODES](#)

Course Code	Credits Allowed	Credits Required	Course Name	Actions
080520	1	0.5	ADV JAVASCRIPT, PROGRAMMING, AND WEB DEVELOPMENT (1 CREDIT)	
080526	2	2	ADV JAVASCRIPT, PROGRAMMING, AND WEB DEVELOPMENT (2 CREDITS)	
080000	1	0.5	ADVANCED TELEVISION BROADCASTING I (1 CREDIT)	
080002	2	2	ADVANCED TELEVISION BROADCASTING I (2 CREDITS)	
080003	3	1.5	ADVANCED TELEVISION BROADCASTING I (3 CREDITS)	
080005	1	0.5	ADVANCED TELEVISION BROADCASTING II (1 CREDIT)	
080012	2	2	ADVANCED TELEVISION BROADCASTING II (2 CREDITS)	
080013	3	1.5	ADVANCED TELEVISION BROADCASTING II (3 CREDITS)	
061175	1	0.5	AP COMPUTER SCIENCE A	
061177	1	0.5	AP Computer Science Principles	
311314	0.5	0.5	AUDIO ENGINEERING	
110600	1	0.5	BASIC ELECTRICITY/ELECTRONICS	
110560	1	0.5	BASIC TECHNICAL DRAFTING	
080014	1	0.5	Broadcasting I	
080015	1	0.5	Broadcasting II	
080016	1	0.5	Broadcasting III	
080017	1	0.5	Broadcasting IV	
080505	1	0.5	CIW Database Design	
040519	1	0.5	CIW E-Commerce Site Design and Development	
040517	1	0.5	CIW Essentials of Web Design	
040405	1	0.5	CIW Internet Business	
061125	1	0.5	CIW Introduction to JavaScript	
061121	1	0.5	CIW Network Security	
061120	1	0.5	CIW Networking Technology	
061126	1	0.5	CIW Perl Fundamentals	
040415	1	0.5	CIW Website Development	
040244	1	0.5	Coding for the Web: LSU Partnership	
110540	1	0.5	COMMUNICATION TECHNOLOGY	
061130	1	0.5	COMP TIA+ Fundamentals of Computer Installation and Configur	
061122	1	0.5	COMP TIA+ Networking Fundamentals	
061127	1	0.5	COMP TIA+ Programming with PL/SQL	
061138	1	0.5	COMP TIA+ Security	
061110	1	0.5	COMPUTER APPLICATIONS	
061111	1	0.5	COMPUTER ARCHITECTURE	
310800	1	0.5	COMPUTER ELECTRONICS I (1 CREDIT)	
310802	2	2	COMPUTER ELECTRONICS I (2 CREDITS)	
310803	3	1.5	COMPUTER ELECTRONICS I (3 CREDITS)	
310805	1	0.5	COMPUTER ELECTRONICS II (1 CREDIT)	
310812	2	2	COMPUTER ELECTRONICS II (2 CREDITS)	
310813		0.5	COMPUTER ELECTRONICS II (3 CREDITS)	Added 2020-2021
061102	1	0.5	COMPUTER SCIENCE I	Remove 2023 - Universal Course List
061103	1	0.5	COMPUTER SCIENCE II	
310818	1	1	Computer Service Technology I	
310814	0.5	0.5	COMPUTER SERVICE TECHNOLOGY I (1/2 CREDIT)	
310820	2	2	COMPUTER SERVICE TECHNOLOGY I (2 CREDITS)	
310821	3	1.5	COMPUTER SERVICE TECHNOLOGY I (3 CREDITS)	
310819	1	0.5	Computer Service Technology II	
310822	2	2	COMPUTER SERVICE TECHNOLOGY II (2 CREDITS)	
310823	3	1.5	COMPUTER SERVICE TECHNOLOGY II (3 CREDITS)	
061112	1	0.5	COMPUTER SYSTEMS/NETWORKING I	

Course Code	Credits Allowed	Credits Required	Course Name	Actions
061136	1	0.5	COMPUTER SYSTEMS/NETWORKING II	
040220	1	0.5	COMPUTER TECHNOLOGY LITERACY	
061133	1	0.5	CREATIVE CODING THROUGH GAMES AND APPS	
040221	1	0.5	Cyber Literacy (NICERC Partnership)	
040213	1	0.5	Cyber Literacy I	
040215	1	0.5	Cyber Literacy II	
040222	1	0.5	Cyber Literacy II (NICERC Partnership)	
040214	1	0.5	Cyber Science	
040217	1	0.5	Cybersecurity (LSU Partnership)	
080532	1	0.5	DATA MANIPULATION AND ANALYSIS (LSU PARTNERSHIP)	
080501	1	0.5	DATABASE DESIGN AND PROGRAMMING (1 CREDIT)	
080840	0.5	0.5	DATABASES DESIGN (1/2 CREDIT)	
040207	1	0.5	DESKTOP PUBLISHING	
061114	1	0.5	DESKTOP PUBLISHING	
061115	1	0.5	DIGITAL GRAPHICS AND ANIMATION	
080800	1	0.5	DIGITAL MEDIA I (1 CREDIT)	
080802	2	2	DIGITAL MEDIA I (2 CREDITS)	
080803	3	1.5	DIGITAL MEDIA I (3 CREDITS)	
080805	1	0.5	DIGITAL MEDIA II (1 CREDIT)	
080812	2	2	DIGITAL MEDIA II (2 CREDITS)	
080813	3	1.5	DIGITAL MEDIA II (3 CREDITS)	
080831	1	0.5	Digital Media III (1 Credit)	
080832	2	2	Digital Media III (2 Credits)	
080833	3	1.5	Digital Media III (3 Credits)	
080834	1	0.5	Digital Media IV (1 Credit)	
080835	2	2	Digital Media IV (2 Credits)	
080836	3	1.5	Digital Media IV (3 Credits)	
040241	1	0.5	Digital Story Telling: LSU Partnership	
150740	1	0.5	FIRST ROBOTICS I (1 CREDIT)	
150750	1	0.5	FIRST ROBOTICS II (1 CREDIT)	
150760	1	0.5	FIRST ROBOTICS III (1 CREDIT)	
150770	1	0.5	FIRST ROBOTICS IV (1 CREDIT)	
080523	1	0.5	FUNDAMENTALS OF HTML, CSS, AND JAVASCRIPT (1 CREDIT)	
160323	1	0.5	GEOMETRY	
010103	1	0.5	GIS Entry Level 1	
010104	1	0.5	GIS Entry Level 2	
311600	1	0.5	GRAPHIC ARTS I (1 CREDIT)	
311602	2	2	GRAPHIC ARTS I (2 CREDITS)	
311603	3	1.5	GRAPHIC ARTS I (3 CREDITS)	
311605	1	0.5	GRAPHIC ARTS II (1 CREDIT)	
311612	2	2	GRAPHIC ARTS II (2 CREDITS)	
311613	3	1.5	GRAPHIC ARTS II (3 CREDITS)	
311614	1	0.5	Graphic Arts III (1 credit)	
311615	2	2	Graphic Arts III (2 credits)	
311616	3	1.5	Graphic Arts III (3 credits)	
311617	1	0.5	Graphic Arts IV (1 credit)	
311618	2	2	Graphic Arts IV (2 credits)	
311619	3	1.5	Graphic Arts IV (3 credits)	
061118	1	0.5	Independent Study in Technology Applications I 1 credit	
061119	2	2	Independent Study in Technology Applications I (2 credit)	
061123	1	0.5	Independent Study in Technology Applications II (1 credit)	

Course Code	Credits Allowed	Credits Required	Course Name	Actions
061180	1	0.5	Interactive Computing (LSU Partnership)	
061141	1	0.5	Intro to Computational Thinking	
061140	1	0.5	INTRO TO COMPUTATIONAL THINKING FOR STEM (LSU PARTNERSHIP)	
110800	1	1	INTRODUCTION TO ENGINEERING DESIGN (1 CREDIT)	
110801	1	0.5	INTRODUCTION TO ENGINEERING DESIGN (LSU PARTNERSHIP)	
110799	0.5	0.5	INTRODUCTION TO ENGINEERING DESIGN I (1/2 CREDIT)	
080500	1	1	Introduction to Programming (1 Credit)	
080860	0.5	0.5	INTRODUCTION TO PROGRAMMING (1/2 CREDIT)	
110795	1	0.5	Introduction to Remote Controlled Vehicle Technologies	
080818	1	0.5	Introduction to Social Media	
040229	1	1	Keyboarding	
040225	0.5	0.5	KEYBOARDING (1/2 CREDIT)	
040226	0.5	0.5	KEYBOARDING APPLICATIONS (1/2 CREDIT)	
030810	1	0.5	MEDIA ARTS I	
030820	1	0.5	MEDIA ARTS II	
030830	1	0.5	MEDIA ARTS III	
030840	1	0.5	MEDIA ARTS IV	
061116	1	0.5	MULTIMEDIA PRODUCTIONS	
310850	2	2	NETWORKING BASICS (2 CREDITS)	
310851	3	1.5	NETWORKING BASICS (3 CREDITS)	
080026	1	0.5	Operation Spark Partnership: Fundamentals of Video Game Programming	Added 2022-2023
080027	1	0.5	Operation Spark Partnership: Internet of Things Programming	Added 2022-2023
080028	1	0.5	Operation Spark Partnership: Professional Software Development	Added 2022-2023
150000	1	0.5	Physics I	
150700	1	0.5	PHYSICS I	
061100	1	0.5	PLTW Computer Science Essentials	Added 2023-2024
110821	1	0.5	PLTW Digital Electronics	Added 2020-2021
110802	1	0.5	PLTW Introduction to Engineering Design	
080109	1	0.5	PLTW Principles of Engineering	
110810	1	0.5	PRINCIPLES OF ENGINEERING (1 CREDIT)	
110811	2	2	PRINCIPLES OF ENGINEERING (2 CREDITS)	
110864	1	0.5	PRINCIPLES OF ENGINEERING (LSU PARTNERSHIP)	
040243	1	0.5	Programming for Digital Media: LSU Partnership	
144300	1	0.5	PROGRAMMING FOR ENGINEERS (LSU PARTNERSHIP)	
080502	1	0.5	Programming Logic and Design	
110796	1	0.5	Remote Controlled Vehicle Technologies (1 credit)	
110797	2	2	Remote Controlled Vehicle Technologies (2 credits)	
110798	3	1.5	Remote Controlled Vehicle Technologies (3 credits)	
150780	1	0.5	ROBOTICS (LSU PARTNERSHIP)	
150730	1	0.5	ROBOTICS: ADVANCED (1 CREDIT)	
150731	2	2	ROBOTICS: ADVANCED (2 CREDITS)	
150723	1	0.5	ROBOTICS: BEGINNER (1 CREDIT)	
150729	1	0.5	ROBOTICS: INTERMEDIATE (1 CREDIT)	
080503	1	0.5	Software Design and Programming I	
080504	1	0.5	Software Design and Programming II	
061179	1	0.5	Survey of Computer Science (LSU Partnership)	
110199	1	1	TECHNOLOGY EDUCATION ELECTIVE I (1 CREDIT)	
110099	0.5	0.5	TECHNOLOGY EDUCATION ELECTIVE I (1/2 CREDIT)	
110101	2	2	TECHNOLOGY EDUCATION ELECTIVE I (2 CREDITS)	
110102	3	1.5	TECHNOLOGY EDUCATION ELECTIVE I (3 CREDITS)	
312800	1	0.5	TELEVISION PRODUCTION I (1 CREDIT)	

Course Code	Credits Allowed	Credits Required	Course Name	Actions
312802	2	2	TELEVISION PRODUCTION I (2 CREDITS)	
312803	3	1.5	TELEVISION PRODUCTION I (3 CREDITS)	
312805	1	0.5	TELEVISION PRODUCTION II (1 CREDIT)	
312812	2	2	TELEVISION PRODUCTION II (2 CREDITS)	
312813	3	1.5	TELEVISION PRODUCTION II (3 CREDITS)	
040211	1	1	WEB DESIGN (1 CREDIT)	
040210	0.5	0.5	WEB DESIGN (1/2 CREDIT)	
080830	0.5	0.5	WEB DESIGN (1/2 CREDIT)	
040212	1	0.5	WEB DESIGN II (1 CREDIT)	
061117	1	0.5	WEBMASTERING	



LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY

For incoming freshmen beginning 2020–2021



OVERVIEW

The Law, Public Safety, Corrections and Security Jump Start 2.0 Pathway includes instruction in criminal justice and corrections, fire protection, homeland security, and other protective services. Students will be exposed to the theories and principles of correctional science; criminal law and policy; police and correctional systems organization; the administration of justice and the judiciary; and emergency and fire management services. Law, Public Safety, Corrections, and Security workers focus on protecting citizens in a vast array of settings. These settings include state and federal agencies as well as public and private entities.

COLLEGE AND CAREER CONNECTIONS

Finding high-wage career opportunities directly out of high school can be challenging. It typically requires advanced capstone credentials accompanied by work experience and/or apprenticeships in the field.

High School to Career	Community/Technical College to Career	University to Career
Correctional Officer	Police Officer	Criminal Investigator
File Clerk	Paralegal	Lawyer
Instructional Interpreter	Interpreter	Nationally Certified Interpreter
Police, Fire, & Ambulance Dispatcher	Firefighter	Emergency Management Supervisor

CAPSTONE CREDENTIALS

In order to graduate, Jump Start students must earn at least one credential from the options below.

Regional (Emerging)	Basic	Advanced
Career and Technical Certificate (LCTCS)*	Certificate of Technical Studies (LCTCS)*	Technical Diploma (LCTCS)*
Sign Language Proficiency Interview (SLPI)	Emergency Medical Responder (EMR)	Emergency Telecommunicator Certification (911 Dispatch) (ETC) 1 AND Emergency Police Dispatch (EPD), Emergency Fire Dispatch (EFD) OR Emergency Medical Dispatch (EMD)
National Certification in Unified English Braille (NCUEB)	Emergency Telecommunicator Certification (911 Dispatch) (ETC) 1	Fundamentals of JavaScript, Functional Programming and Web Development, Lvl 2
	Geographic Information System - Entry Level Technician Certification	IFSAC FireFighter II
	FAA Part 107: Small Unmanned Aircraft Operations	
	Fundamentals of JavaScript, Functional Programming and Web Development, Lvl 1	
	IFSAC FireFighter I	
	Literary Braille Transcriber	

*Aligned to pathway.

UNIVERSAL DOCUMENTS

[CDF ELIGIBLE COURSES](#)

[JUMP START FUNDING](#)

[UNIVERSAL COURSE CODES](#)

Course Code	Credits Allowed	Credits Required	Course Name	Actions
080520	1	0.5	ADV JAVASCRIPT, PROGRAMMING, AND WEB DEVELOPMENT (1 CREDIT)	
080526	2	2	ADV JAVASCRIPT, PROGRAMMING, AND WEB DEVELOPMENT (2 CREDITS)	
100606	1	1	Advanced Child Development (1 Credit)	
100603	0.5	0.5	ADVANCED CHILD DEVELOPMENT (1/2 CREDIT)	
110590	1	0.5	ADVANCED TECHNICAL DRAFTING	
123456	1	0.5	AMERICAN SIGN LANGUAGE I	
123457	1	0.5	AMERICAN SIGN LANGUAGE II	
222004	1	0.5	AP PSYCHOLOGY	
080902	1	0.5	BRAILLE I (1 CREDIT)	
080903	1	0.5	BRAILLE II (1 CREDIT)	
100604	1	1	Child Development (1 Credit)	
100602	0.5	0.5	CHILD DEVELOPMENT (1/2 CREDIT)	
040517	1	0.5	CIW Essentials of Web Design	
061121	1	0.5	CIW Network Security	
061102	1	0.5	COMPUTER SCIENCE I	Remove 2023 - Universal Course List
040220	1	0.5	COMPUTER TECHNOLOGY LITERACY	
061101	1	0.5	COMPUTER TECHNOLOGY/LITERACY	
020001	1	1	CRIMINAL JUSTICE ELECTIVE I (1 CREDIT)	
020000	0.5	0.5	CRIMINAL JUSTICE ELECTIVE I (1/2 CREDIT)	
020002	2	2	CRIMINAL JUSTICE ELECTIVE I (2 CREDITS)	
020003	3	1.5	CRIMINAL JUSTICE ELECTIVE I (3 CREDITS)	
020021	1	1	CRIMINAL JUSTICE ELECTIVE II (1 CREDIT)	
020020	0.5	0.5	CRIMINAL JUSTICE ELECTIVE II (1/2 CREDIT)	
020022	2	2	CRIMINAL JUSTICE ELECTIVE II (2 CREDITS)	
020023	3	1.5	CRIMINAL JUSTICE ELECTIVE II (3 CREDITS)	
020031	1	1	CRIMINAL JUSTICE ELECTIVE III (1 CREDIT)	
020030	0.5	0.5	CRIMINAL JUSTICE ELECTIVE III (1/2 CREDIT)	
020032	2	2	CRIMINAL JUSTICE ELECTIVE III (2 CREDIT)	
020033	3	1.5	CRIMINAL JUSTICE ELECTIVE III (3 CREDIT)	
020041	1	1	CRIMINAL JUSTICE ELECTIVE IV (1 CREDIT)	
020040	0.5	0.5	CRIMINAL JUSTICE ELECTIVE IV (1/2 CREDIT)	
020042	2	2	CRIMINAL JUSTICE ELECTIVE IV (2 CREDIT)	
020043	3	1.5	CRIMINAL JUSTICE ELECTIVE IV (3 CREDIT)	
040221	1	0.5	Cyber Literacy (NICERC Partnership)	
040213	1	0.5	Cyber Literacy I	
040215	1	0.5	Cyber Literacy II	
040222	1	0.5	Cyber Literacy II (NICERC Partnership)	
040219	1	0.5	Cyber Science (NICERC Partnership)	
040223	1	0.5	Cybersecurity	
040217	1	0.5	Cybersecurity (LSU Partnership)	
080530	1	0.5	Data Manipulation and Analysis	
040207	1	0.5	DESKTOP PUBLISHING	
061114	1	0.5	DESKTOP PUBLISHING	
080800	1	0.5	DIGITAL MEDIA I (1 CREDIT)	
080802	2	2	DIGITAL MEDIA I (2 CREDITS)	
080803	3	1.5	DIGITAL MEDIA I (3 CREDITS)	
090943	2	2	EMERGENCY MEDICAL TECHNICIAN BASIC (2 CREDITS)	
090944	3	1.5	EMERGENCY MEDICAL TECHNICIAN- BASIC (3 CREDITS)	
155050	1	0.5	FORENSIC SCIENCE	
312096	1	0.5	Forensic Science (LSU Partnership)	

Course Code	Credits Allowed	Credits Required	Course Name	Actions
010103	1	0.5	GIS Entry Level 1	
010104	1	0.5	GIS Entry Level 2	
090611	1	0.5	HEALTH SCIENCE I (1 CREDIT)	
090612	2	2	HEALTH SCIENCE I (2 CREDITS)	
090621	1	0.5	HEALTH SCIENCE II (1 CREDIT)	
090622	2	2	HEALTH SCIENCE II (2 CREDITS)	
90725	3	1	IFSAC Firefighter I	Added 2024-2025
90726	3	1	IFSAC Firefighter II	Added 2024-2025
90727	3	1	IFSAC Firefighter III	Added 2024-2025
90728	3	1	IFSAC Firefighter IV	Added 2024-2025
311921	1	0.5	Industrial and Plant Safety	
061141	1	0.5	Intro to Computational Thinking	
061140	1	0.5	INTRO TO COMPUTATIONAL THINKING FOR STEM (LSU PARTNERSHIP)	
090471	1	0.5	INTRODUCTION TO EMERGENCY MEDICAL TECHNOLOGY (1 CREDIT)	
090472	2	2	INTRODUCTION TO EMERGENCY MEDICAL TECHNOLOGY (2 CREDITS)	
311922	1	0.5	Introduction to Hazardous Materials	
110795	1	0.5	Introduction to Remote Controlled Vehicle Technologies	
170010	1	0.5	JR ROTC DE Elective: Private Pilot Ground I	
170011	1	0.5	JR ROTC DE Elective: Private Pilot Ground II	
170013	1	0.5	JR ROTC: Air Force Staff Mgmt Procedures	
170009	1	0.5	JR. ROTC ELECTIVE	
170012	1	0.5	JR. ROTC: Air Force Aerospace Science	
040229	1	1	Keyboarding	
040225	0.5	0.5	KEYBOARDING (1/2 CREDIT)	
040226	0.5	0.5	KEYBOARDING APPLICATIONS (1/2 CREDIT)	
220506	1	1	LAW STUDIES	
220507	0.5	0.5	LAW STUDIES (1/2 CREDIT)	
222001	1	0.5	PSYCHOLOGY	
225011	1	0.5	Psychology: DE CPSY 2013 - Introduction to Psychology	
110796	1	0.5	Remote Controlled Vehicle Technologies (1 credit)	
110797	2	2	Remote Controlled Vehicle Technologies (2 credits)	
110798	3	1.5	Remote Controlled Vehicle Technologies (3 credits)	
220601	1	0.5	SOCIOLOGY	
061179	1	0.5	Survey of Computer Science (LSU Partnership)	



Pathway Brief



MANUFACTURING

For incoming freshmen beginning 2020–2021

OVERVIEW

The Manufacturing Jump Start 2.0 Pathway prepares students to work in the process and production fields. Pathway coursework equips students to design, create, assemble, install, and repair electrical and mechanical systems. Students will be able to perform preventative maintenance procedures on machines, tools, and equipment on a routine and regular basis. This pathway also encompasses petrochemical courses where students will learn about the refining and processing of petroleum and/or natural gas. Manufacturing workers will be able to move into advanced manufacturing careers to use innovative technology to improve current products or processes to assist companies in producing their products more efficiently.

COLLEGE AND CAREER CONNECTIONS

Finding high-wage career opportunities directly out of high school can be challenging. It typically requires advanced capstone credentials accompanied by work experience and/or apprenticeships in the field.

High School to Career	Community/Technical College to Career	University to Career
Entry Level Warehouse Operator	Mechanical/Piping/Electrical Designer Trainee	Chemical Engineer
Instrument Technician Trainee	Instrument Technician	Mechanical Engineer
Electrical Technician Trainee	Electrical Technician	Electrical Engineer

CAPSTONE CREDENTIALS

In order to graduate, Jump Start students must earn at least one credential from the options below.

Regional (Emerging)	Basic	Advanced
Career and Technical Certificate (LCTCS)*	Certificate of Technical Studies (LCTCS)*	Technical Diploma (LCTCS)*
AutoDesk Certified User: • Fusion 360 • Rivet	ADDA Certified Mechanical Apprentice Drafter	AutoDesk Inventor Certified User
AWS Welding 1G	Autodesk Certified User AutoCAD	Carpenter International Training Fund (CITF) Career Connections, Millwright Level 1, Welding Level 2
Maritime Safety Credentials Suite: Personal Safety/Social Responsibilities, Basic Water Survival, Basic Firefighting AND Basic First Aid/CPR AED	Carpenters International Training Fund (CITF): • Welding Level 1	Electrical Training ALLIANCE Interim Credential (etA): Levels 1-5
	Certified Logistics Associate or Technician (MSSC)	NCCER Level 2 or above • Electrical • Instrumentation • Industrial Maintenance • Mechanic • Mechanical Insulating • Millwright • Mobile Crane Operations • Pipefitting • Welding
NCCER: • Basic Rigger • Helper Modules • Industrial Coating & Lining Application Specialist	Certified Production Technician (CPT) AND Certified Production Technician Plus (CPT+)	
OSHA: • OSHA 10** • OSHA 30	Electrical Training ALLIANCE Interim Credential etA): • Levels 1-3 • Level 4 • Level 5	
PEC Basic Orientation: • Safe Land • Safe Gulf	Geographic Information System - Entry Level Technician Certification	NIMS Machining Level 2 Certification
Water Survival/Helicopter Underwater Egress Training (HUET)	Louisiana Micro-Enterprise - Statewide	
	NCCER Level 1 • Electrical • Heavy Equipment Operations • Instrumentation • Industrial Maintenance • Mechanic • Mechanical Insulating • Millwright • Mobile Crane Operations • Pipefitting • Welding	
	NIMS Machining Level 1 Certification	
	North America's Building Trades Unions Multi-Craft Core Curriculum (MC3)	
	Production Safety Systems (T-2) Basic	

*Aligned to pathway.

UNIVERSAL DOCUMENTS

[CDF ELIGIBLE COURSES](#)

[JUMP START FUNDING](#)

[UNIVERSAL COURSE CODES](#)

				Course Code	Credits Allowed	Credits Required	Course Name	Actions
2020	CA	13	U13	310383	1	0.5	Advanced Electrical Electronics	
2020	CA	13	U13	110610	1	0.5	ADVANCED ELECTRICITY/ELECTRONICS	
2020	CA	13	U13	160347	1	0.5	ADVANCED MATH - FUNCTIONS AND STATISTICS	
2020	CA	13	U13	160346	1	0.5	ADVANCED MATHEMATICS - PRE-CALCULUS	
2020	CA	13	U13	110240	1	0.5	ADVANCED METAL TECHNOLOGY	
2020	CA	13	U13	110590	1	0.5	ADVANCED TECHNICAL DRAFTING	
2020	CA	13	U13	110830	1	0.5	AEROSPACE ENGINEERING (1 CREDIT)	
2020	CA	13	U13	010364	1	0.5	AG LEADERSHIP (1 CREDIT)	
2020	CA	13	U13	010446	1	0.5	AG POWER EQUIPMENT (1 CREDIT)	
2020	CA	13	U13	010302	1	0.5	AGRISCIENCE II	
2020	CA	13	U13	010303	1	0.5	AGRISCIENCE III	
2020	CA	13	U13	010304	1	0.5	AGRISCIENCE IV	
2020	CA	13	U13	310100	1	0.5	AIR CONDITIONING/REFRIGERATION I (1 CREDIT)	
2020	CA	13	U13	310102	2	2	AIR CONDITIONING/REFRIGERATION I (2 CREDITS)	
2020	CA	13	U13	310103	3	1.5	AIR CONDITIONING/REFRIGERATION I (3 CREDITS)	
2020	CA	13	U13	310105	1	0.5	AIR CONDITIONING/REFRIGERATION II (1 CREDIT)	
2020	CA	13	U13	310112	2	2	AIR CONDITIONING/REFRIGERATION II (2 CREDITS)	
2020	CA	13	U13	310113	3	1.5	AIR CONDITIONING/REFRIGERATION II (3 CREDITS)	
2020	CA	13	U13	110580	1	0.5	ARCHITECTURAL DRAFTING	
2020	CA	13	U13	313100	1	0.5	AWS WELDING I (1 credit)	
2020	CA	13	U13	313102	2	2	AWS WELDING I (2 credits)	
2020	CA	13	U13	313103	3	1.5	AWS WELDING I (3 credits)	
2020	CA	13	U13	313105	1	0.5	AWS WELDING II (1 credit)	
2020	CA	13	U13	313106	2	2	AWS WELDING II (2 credits)	
2020	CA	13	U13	313107	3	1.5	AWS WELDING II (3 credits)	
2020	CA	13	U13	313108	1	0.5	AWS Welding III (1 credit)	
2020	CA	13	U13	313109	2	2	AWS Welding III (2 credits)	
2020	CA	13	U13	313110	3	1.5	AWS Welding III (3 credits)	
2020	CA	13	U13	313111	1	0.5	AWS Welding IV (1 credit)	
2020	CA	13	U13	313112	2	2	AWS Welding IV (2 credits)	
2020	CA	13	U13	313113	3	1.5	AWS Welding IV (3 credits)	
2020	CA	13	U13	110600	1	0.5	BASIC ELECTRICITY/ELECTRONICS	
2020	CA	13	U13	110200	1	0.5	BASIC METAL TECHNOLOGY I	
2020	CA	13	U13	313120	1	0.5	Basic SMAW	
2020	CA	13	U13	110560	1	0.5	BASIC TECHNICAL DRAFTING	
2020	CA	13	U13	010913	1	0.5	C4M in Agriscience I (1Credit)	Remove 2024 - Discontinued by provider
2020	CA	13	U13	010914	2	2	C4M in Agriscience I (2 Credits)	Remove 2024 - Discontinued by provider
2020	CA	13	U13	010915	2	2	C4M in Agriscience I (3 Credits)	Remove 2024 - Discontinued by provider
2020	CA	13	U13	010916	1	0.5	C4M in Agriscience II (1 Credit)	Remove 2024 - Discontinued by provider
2020	CA	13	U13	010917	2	2	C4M in Agriscience II (2 Credits)	Remove 2024 - Discontinued by provider
2020	CA	13	U13	010918	2	2	C4M in Agriscience II (3 Credits)	Remove 2024 - Discontinued by provider
2020	CA	13	U13	010919	1	0.5	C4M in Agriscience III (1 Credit)	Remove 2024 - Discontinued by provider
2020	CA	13	U13	010920	2	2	C4M in Agriscience III (2 Credits)	Remove 2024 - Discontinued by provider
2020	CA	13	U13	010921	2	2	C4M in Agriscience III (3 Credits)	Remove 2024 - Discontinued by provider
2020	CA	13	U13	010922	2	2	C4M in Agriscience IV (1 Credit)	Remove 2024 - Discontinued by provider
2020	CA	13	U13	010923	2	2	C4M in Agriscience IV (2 Credits)	Remove 2024 - Discontinued by provider
2020	CA	13	U13	010924	2	2	C4M in Agriscience IV (3 Credits)	Remove 2024 - Discontinued by provider
2020	CA	13	U13	080230	1	0.5	CDF-QUALIFYING PRE-APPRENTICESHIP I (1 CREDIT)	Remove 2023 - Universal Course List
2020	CA	13	U13	080231	2	2	CDF-QUALIFYING PRE-APPRENTICESHIP I (2 CREDITS)	Remove 2023 - Universal Course List
2024	CA	13	U13	080058	3	1	CDF-Qualifying Pre-Apprenticeship I: CITF Millwright	Added 2024-2025
2024	CA	13	U13	080054	3	1	CDF-Qualifying Pre-Apprenticeship I: CITF Welding	Added 2024-2025
2020	CA	13	U13	080233	1	0.5	CDF-QUALIFYING PRE-APPRENTICESHIP II (1 CREDIT)	
2020	CA	13	U13	080234	2	2	CDF-QUALIFYING PRE-APPRENTICESHIP II (2 CREDITS)	
2024	CA	13	U13	080055	3	1	CDF-Qualifying Pre-Apprenticeship II: CITF Welding	Added 2024-2025

				Course Code	Credits Allowed	Credits Required	Course Name	Actions
2020	CA	13	U13	080236	1	0.5	CDF-QUALIFYING PRE-APPRENTICESHIP III (1 CREDIT)	
2020	CA	13	U13	080237	2	2	CDF-QUALIFYING PRE-APPRENTICESHIP III (2 CREDITS)	
2020	CA	13	U13	080239	1	0.5	CDF-QUALIFYING PRE-APPRENTICESHIP IV (1 CREDIT)	
2020	CA	13	U13	080240	2	2	CDF-QUALIFYING PRE-APPRENTICESHIP IV (2 CREDITS)	
2020	CA	13	U13	150401	1	0.5	CHEMISTRY	
2024	CA	13	U13	150413	1	0.5	Chemistry I: DE - CCEM 1013 General Chemistry Survey I	Added 2024-2025
2024	CA	13	U13	150414	1	0.5	Chemistry I: DE - CCEM 1103 Chemistry I	Added 2024-2025
2024	CA	13	U13	150415	1	0.5	Chemistry I: DE - CCEM 1123 Chemistry I (Sci Majors)	Added 2024-2025
2024	CA	13	U13	150412	1	0.5	Chemistry I: Gifted	Added 2024-2025
2024	CA	13	U13	150400	1	0.5	Chemistry I: Honors	Added 2024-2025
2020	CA	13	U13	110570	1	0.5	CMAD Drafting	
2020	CA	13	U13	110571	2	2	CMAD Drafting (2 credit)	
2020	CA	13	U13	110572	3	1.5	CMAD Drafting (3 credit)	
2020	CA	13	U13	110850	1	0.5	COMPUTER INTEGRATED MANUFACTURING (1 CREDIT)	
2020	CA	13	U13	040220	1	0.5	COMPUTER TECHNOLOGY LITERACY	
2020	CA	13	U13	110108	1	0.5	Construction Math - Level 1	
2020	CA	13	U13	110109	1	0.5	Construction Math - Level 2	
2020	CA	13	U13	080532	1	0.5	DATA MANIPULATION AND ANALYSIS (LSU PARTNERSHIP)	
2020	CA	13	U13	310622	1	0.5	Design, Blueprint Reading and Codes	
2020	CA	13	U13	311300	1	0.5	DRAFTING & DESIGN TECHNOLOGY I (1 CREDIT)	
2020	CA	13	U13	311302	2	2	DRAFTING & DESIGN TECHNOLOGY I (2 CREDITS)	
2020	CA	13	U13	311303	3	1.5	DRAFTING & DESIGN TECHNOLOGY I (3 CREDITS)	
2020	CA	13	U13	311305	1	0.5	DRAFTING & DESIGN TECHNOLOGY II (1 CREDIT)	
2020	CA	13	U13	311312	2	2	DRAFTING & DESIGN TECHNOLOGY II (2 CREDITS)	
2020	CA	13	U13	311313	3	1.5	DRAFTING & DESIGN TECHNOLOGY II (3 CREDITS)	
2020	CA	13	U13	311400	1	0.5	ELECTRICIAN I (1 CREDIT)	
2020	CA	13	U13	311402	2	2	ELECTRICIAN I (2 CREDITS)	
2020	CA	13	U13	311403	3	1.5	ELECTRICIAN I (3 CREDITS)	
2020	CA	13	U13	311405	1	0.5	ELECTRICIAN II (1 CREDIT)	
2020	CA	13	U13	311412	2	2	ELECTRICIAN II (2 CREDITS)	
2020	CA	13	U13	311413	3	1.5	ELECTRICIAN II (3 CREDITS)	
2020	CA	13	U13	110860	1	0.5	Engineering Design and Development	
2020	CA	13	U13	110861	1	0.5	ENGINEERING DESIGN AND DEVELOPMENT (LSU PARTNERSHIP)	
2020	CA	13	U13	080110	1	0.5	ENGINEERING DESIGN I (1 CREDIT)	
2020	CA	13	U13	080111	2	2	ENGINEERING DESIGN I (2 CREDITS)	
2020	CA	13	U13	080112	3	1.5	ENGINEERING DESIGN I (3 CREDITS)	
2020	CA	13	U13	080120	1	0.5	ENGINEERING DESIGN II (1 CREDIT)	
2020	CA	13	U13	080122	3	1.5	ENGINEERING DESIGN II (3 CREDITS)	
2020	CA	13	U13	150310	1	0.5	ENVIRONMENTAL SCIENCE	
2020	CA	13	U13	150311	1	0.5	Environmental Science: AP Environmental Science	
2020	CA	13	U13	150914	1	0.5	Environmental Science: DE - CEVS 1103 Environmental Science	
2024	CA	13	U13	150913	1	0.5	Environmental Science: Gifted	Added 2024-2025
2024	CA	13	U13	150328	1	0.5	Environmental Science: Honors	Added 2024-2025
2020	CA	13	U13	150740	1	0.5	FIRST ROBOTICS I (1 CREDIT)	
2020	CA	13	U13	150750	1	0.5	FIRST ROBOTICS II (1 CREDIT)	
2020	CA	13	U13	150760	1	0.5	FIRST ROBOTICS III (1 CREDIT)	
2020	CA	13	U13	150770	1	0.5	FIRST ROBOTICS IV (1 CREDIT)	
2020	CA	13	U13	110331	1	0.5	Fluid Mechanics	
2020	CA	13	U13	310631	1	0.5	Fundamentals of Industrial Scaffolding (1 Credit)	
2020	CA	13	U13	310632	2	2	Fundamentals of Industrial Scaffolding (2 Credits)	
2020	CA	13	U13	313200	1	0.5	G.M. TECHNICIAN I (1 CREDIT)	
2020	CA	13	U13	313202	2	2	G.M. TECHNICIAN I (2 CREDITS)	
2020	CA	13	U13	313203	3	1.5	G.M. TECHNICIAN I (3 CREDITS)	
2020	CA	13	U13	160323	1	0.5	GEOMETRY	
2020	CA	13	U13	010103	1	0.5	GIS Entry Level 1	
2020	CA	13	U13	010104	1	0.5	GIS Entry Level 2	
2020	CA	13	U13	110231	1	0.5	Grinder Assistant	
2020	CA	13	U13	311921	1	0.5	Industrial and Plant Safety	
2020	CA	13	U13	311800	1	0.5	INDUSTRIAL ELECTRONICS I (1 CREDIT)	
2020	CA	13	U13	311802	2	2	INDUSTRIAL ELECTRONICS I (2 CREDITS)	
2020	CA	13	U13	311803	3	1.5	INDUSTRIAL ELECTRONICS I (3 CREDITS)	
2020	CA	13	U13	311805	1	0.5	INDUSTRIAL ELECTRONICS II (1 CREDIT)	
2020	CA	13	U13	311812	2	2	INDUSTRIAL ELECTRONICS II (2 CREDITS)	

				Course Code	Credits Allowed	Credits Required	Course Name	Actions
2020	CA	13	U13	311813	3	1.5	INDUSTRIAL ELECTRONICS II (3 CREDITS)	
2020	CA	13	U13	311917	3	1.5	INDUSTRIAL MACHINES SHOP III (3 CREDITS)	
2020	CA	13	U13	311900	1	0.5	INDUSTRIAL MACHINES SHOP I (1 CREDIT)	
2020	CA	13	U13	311902	2	2	INDUSTRIAL MACHINES SHOP I (2 CREDITS)	
2020	CA	13	U13	311903	3	1.5	INDUSTRIAL MACHINES SHOP I (3 CREDITS)	
2020	CA	13	U13	311905	1	0.5	INDUSTRIAL MACHINES SHOP II (1 CREDIT)	
2020	CA	13	U13	311912	2	2	INDUSTRIAL MACHINES SHOP II (2 CREDITS)	
2020	CA	13	U13	311913	3	1.5	INDUSTRIAL MACHINES SHOP II (3 CREDITS)	
2020	CA	13	U13	311915	1	0.5	Industrial Machines Shop III (1 credit)	
2020	CA	13	U13	311916	2	2	INDUSTRIAL MACHINES SHOP III (2 CREDITS)	
2020	CA	13	U13	311918	1	0.5	Industrial Machines Shop IV (1 credit)	
2020	CA	13	U13	311919	2	2	INDUSTRIAL MACHINES SHOP IV (2 CREDITS)	
2020	CA	13	U13	311920	3	1.5	INDUSTRIAL MACHINES SHOP IV (3 CREDITS)	
2020	CA	13	U13	061141	1	0.5	Intro to Computational Thinking	
2020	CA	13	U13	061140	1	0.5	INTRO TO COMPUTATIONAL THINKING FOR STEM (LSU PARTNERSHIP)	
2020	CA	13	U13	110800	1	1	INTRODUCTION TO ENGINEERING DESIGN (1 CREDIT)	
2020	CA	13	U13	110801	1	0.5	INTRODUCTION TO ENGINEERING DESIGN (LSU PARTNERSHIP)	
2020	CA	13	U13	110799	0.5	0.5	INTRODUCTION TO ENGINEERING DESIGN I (1/2 CREDIT)	
2020	CA	13	U13	311922	1	0.5	Introduction to Hazardous Materials	
2020	CA	13	U13	313831	1	0.5	Introduction to Logistics	Added 2023-2024
2020	CA	13	U13	110795	1	0.5	Introduction to Remote Controlled Vehicle Technologies	
2020	CA	13	U13	080818	1	0.5	Introduction to Social Media	
2020	CA	13	U13	313836	1	0.5	Maintenance Assistant	
2020	CA	13	U13	110256	1	0.5	MANUFACTURING PROCESS AND TEAM BUILDING (1 CREDIT)	
2020	CA	13	U13	110250	1	0.5	MANUFACTURING TECHNOLOGY	
2020	CA	13	U13	110257	1	0.5	MANUFACTURING TOOLS AND EQUIPMENT (1 CREDIT)	
2020	CA	13	U13	110005	1	0.5	MATERIALS AND PROCESSES	
2020	CA	13	U13	311720	1	0.5	NCCER Core	Remove 2023 - Universal Course List
2020	CA	13	U13	313400	1	0.5	NCCER ELECTRICAL I (1 CREDIT)	
2020	CA	13	U13	110711	1	0.5	NCCER ELECTRICAL I (1 CREDIT)	
2020	CA	13	U13	313402	2	2	NCCER ELECTRICAL I (2 CREDITS)	
2020	CA	13	U13	110712	2	2	NCCER ELECTRICAL I (2 CREDITS)	
2020	CA	13	U13	313403	3	1.5	NCCER ELECTRICAL I (3 CREDITS)	
2020	CA	13	U13	110713	3	1.5	NCCER ELECTRICAL I (3 CREDITS)	
2020	CA	13	U13	313405	1	0.5	NCCER ELECTRICAL II (1 CREDIT)	
2020	CA	13	U13	110716	1	0.5	NCCER ELECTRICAL II (1 CREDIT)	
2020	CA	13	U13	313412	2	2	NCCER ELECTRICAL II (2 CREDITS)	
2020	CA	13	U13	110717	2	2	NCCER ELECTRICAL II (2 CREDITS)	
2020	CA	13	U13	313413	3	1.5	NCCER ELECTRICAL II (3 CREDITS)	
2020	CA	13	U13	110718	3	1.5	NCCER ELECTRICAL II (3 CREDITS)	
2020	CA	13	U13	313417	1	0.5	NCCER Electrical III (1 Credit)	
2020	CA	13	U13	313418	2	2	NCCER Electrical III (2 Credits)	
2020	CA	13	U13	313419	3	1.5	NCCER Electrical III (3 Credits)	
2020	CA	13	U13	010701	1	0.5	NCCER ELECTRICAL IN AGRISCIENCE (1 CREDIT)	
2020	CA	13	U13	010702	2	2	NCCER ELECTRICAL IN AGRISCIENCE (2 CREDITS)	
2020	CA	13	U13	010703	3	1.5	NCCER ELECTRICAL IN AGRISCIENCE (3 CREDITS)	
2020	CA	13	U13	010704	1	0.5	NCCER Electrical in Agriscience II (1CR)	
2020	CA	13	U13	010705	1	0.5	NCCER Electrical in Agriscience II (2CR)	
2020	CA	13	U13	010706	1	0.5	NCCER Electrical in Agriscience II (3CR)	
2020	CA	13	U13	313420	1	0.5	NCCER Electrical IV (1 Credit)	
2020	CA	13	U13	313421	2	2	NCCER Electrical IV (2 Credits)	
2020	CA	13	U13	313422	3	1.5	NCCER Electrical IV (3 Credits)	
2024	CA	13	U13	313722	1	0.5	NCCER Heavy Equipment Operator Level I	Added 2024-2025
2020	CA	13	U13	313730	2	2	NCCER INDUSTRIAL MAINTENANCE ELECTRICAL & INSTRUMENTATION I	
2020	CA	13	U13	313729	1	0.5	NCCER INDUSTRIAL MAINTENANCE LEVEL II (1 CREDIT)	
2020	CA	13	U13	313500	1	0.5	NCCER INSTRUMENTATION CONTROL MECHANIC I (1 CREDIT)	
2020	CA	13	U13	110721	1	0.5	NCCER INSTRUMENTATION CONTROL MECHANIC I (1 CREDIT)	
2020	CA	13	U13	313502	2	2	NCCER INSTRUMENTATION CONTROL MECHANIC I (2 CREDITS)	
2020	CA	13	U13	110722	2	2	NCCER INSTRUMENTATION CONTROL MECHANIC I (2 CREDITS)	
2020	CA	13	U13	313503	3	1.5	NCCER INSTRUMENTATION CONTROL MECHANIC I (3 CREDITS)	
2020	CA	13	U13	110723	3	1.5	NCCER INSTRUMENTATION CONTROL MECHANIC I (3 CREDITS)	
2020	CA	13	U13	313505	1	0.5	NCCER INSTRUMENTATION CONTROL MECHANIC II (1 CREDIT)	
2020	CA	13	U13	110726	1	0.5	NCCER INSTRUMENTATION CONTROL MECHANIC II (1 CREDIT)	

				Course Code	Credits Allowed	Credits Required	Course Name	Actions
2020	CA	13	U13	313512	2	2	NCCER INSTRUMENTATION CONTROL MECHANIC II (2 CREDITS)	
2020	CA	13	U13	110727	2	2	NCCER INSTRUMENTATION CONTROL MECHANIC II (2 CREDITS)	
2020	CA	13	U13	313513	3	1.5	NCCER INSTRUMENTATION CONTROL MECHANIC II (3 CREDITS)	
2020	CA	13	U13	110728	3	1.5	NCCER INSTRUMENTATION CONTROL MECHANIC II (3 CREDITS)	
2020	CA	13	U13	313517	1	0.5	NCCER Instrumentation Control Mechanic III	
2020	CA	13	U13	313520	1	0.5	NCCER Instrumentation IV	
2020	CA	13	U13	313829	1	0.5	NCCER INSULATING I (1 CREDIT)	
2020	CA	13	U13	313830	2	2	NCCER INSULATING I (2 CREDITS)	
2020	CA	13	U13	313714	1	0.5	NCCER MILLWRIGHT LEVEL I (1 CREDIT)	
2020	CA	13	U13	313740	2	2	NCCER MILLWRIGHT LEVEL I (2 CREDITS)	
2020	CA	13	U13	313741	3	1.5	NCCER MILLWRIGHT LEVEL I (3 CREDITS)	
2020	CA	13	U13	313715	1	0.5	NCCER MILLWRIGHT LEVEL II (1 CREDIT)	
2020	CA	13	U13	313742	2	2	NCCER MILLWRIGHT LEVEL II (2 CREDITS)	
2020	CA	13	U13	313743	3	1.5	NCCER MILLWRIGHT LEVEL II (3 CREDITS)	
2020	CA	13	U13	313716	1	0.5	NCCER MILLWRIGHT LEVEL III (1 CREDIT)	
2020	CA	13	U13	313744	2	2	NCCER MILLWRIGHT LEVEL III (2 CREDITS)	
2020	CA	13	U13	313745	3	1.5	NCCER MILLWRIGHT LEVEL III (3 CREDITS)	
2020	CA	13	U13	313717	1	0.5	NCCER MILLWRIGHT LEVEL IV (1 CREDIT)	
2020	CA	13	U13	313746	2	2	NCCER MILLWRIGHT LEVEL IV (2 CREDITS)	
2020	CA	13	U13	313747	3	1.5	NCCER MILLWRIGHT LEVEL IV (3 CREDITS)	
2020	CA	13	U13	313605	1	0.5	NCCER PIPE FITTER II (1 CREDIT)	
2020	CA	13	U13	313600	1	0.5	NCCER PIPEFITTER I (1 CREDIT)	
2020	CA	13	U13	110731	1	0.5	NCCER PIPEFITTER I (1 CREDIT)	
2020	CA	13	U13	313602	2	2	NCCER PIPEFITTER I (2 CREDITS)	
2020	CA	13	U13	110732	2	2	NCCER PIPEFITTER I (2 CREDITS)	
2020	CA	13	U13	313603	3	1.5	NCCER PIPEFITTER I (3 CREDITS)	
2020	CA	13	U13	110733	3	1.5	NCCER PIPEFITTER I (3 CREDITS)	
2020	CA	13	U13	110736	1	0.5	NCCER PIPEFITTER II (1 CREDIT)	
2020	CA	13	U13	313612	2	2	NCCER PIPEFITTER II (2 CREDITS)	
2020	CA	13	U13	110737	2	2	NCCER PIPEFITTER II (2 CREDITS)	
2020	CA	13	U13	313613	3	1.5	NCCER PIPEFITTER II (3 CREDITS)	
2020	CA	13	U13	110738	3	1.5	NCCER PIPEFITTER II (3 CREDITS)	
2020	CA	13	U13	313617	1	0.5	NCCER PIPEFITTER III (1 CREDIT)	
2020	CA	13	U13	313616	2	2	NCCER PIPEFITTER III (2 CREDITS)	
2020	CA	13	U13	313620	1	0.5	NCCER PIPEFITTER IV (1 CREDIT)	
2020	CA	13	U13	313619	2	2	NCCER PIPEFITTER IV (2 CREDITS)	
2020	CA	13	U13	010801	1	0.5	NCCER PIPEFITTING IN AGRISCIENCE (1 CREDIT)	
2020	CA	13	U13	010802	2	2	NCCER PIPEFITTING IN AGRISCIENCE (2 CREDITS)	
2020	CA	13	U13	010803	3	1.5	NCCER PIPEFITTING IN AGRISCIENCE (3 CREDITS)	
2020	CA	13	U13	010804	1	0.5	NCCER Pipefitting in Agriscience II (1 credit)	
2020	CA	13	U13	010805	2	2	NCCER Pipefitting in Agriscience II (2 credit)	
2020	CA	13	U13	010806	3	1.5	NCCER Pipefitting in Agriscience II (3 credit)	
2020	CA	13	U13	313731	1	0.5	NCCER Rigging I (1 Credit)	
2020	CA	13	U13	313732	2	2	NCCER Rigging I (2 Credit)	
2020	CA	13	U13	313733	3	1.5	NCCER Rigging I (3 Credit)	
2020	CA	13	U13	313734	1	0.5	NCCER Rigging II (1 Credit)	
2020	CA	13	U13	313735	2	2	NCCER Rigging II (2 Credit)	
2020	CA	13	U13	313736	3	1.5	NCCER Rigging II (3 Credit)	
2020	CA	13	U13	313737	1	0.5	NCCER Rigging III (1 Credit)	
2020	CA	13	U13	313738	2	2	NCCER Rigging III (2 Credit)	
2020	CA	13	U13	313739	3	1.5	NCCER Rigging III (3 Credit)	
2020	CA	13	U13	321000	1	0.5	NCCER Scaffolding Level I (1 credit)	
2020	CA	13	U13	321001	2	2	NCCER Scaffolding Level I (2 credits)	
2020	CA	13	U13	321002	3	1.5	NCCER Scaffolding Level I (3 credits)	
2020	CA	13	U13	010901	1	0.5	NCCER WELDING IN AGRISCIENCE (1 CREDIT)	
2020	CA	13	U13	010902	2	2	NCCER WELDING IN AGRISCIENCE (2 CREDITS)	
2020	CA	13	U13	010903	3	1.5	NCCER WELDING IN AGRISCIENCE (3 CREDITS)	
2020	CA	13	U13	010904	1	0.5	NCCER Welding in Agriscience II (1 credit)	
2020	CA	13	U13	010905	2	2	NCCER Welding in Agriscience II (2 credits)	
2020	CA	13	U13	010906	3	1.5	NCCER Welding in Agriscience II (3 credits)	
2020	CA	13	U13	313700	1	0.5	NCCER WELDING TECHNOLOGY I (1 CREDIT)	
2020	CA	13	U13	110741	1	0.5	NCCER WELDING TECHNOLOGY I (1 CREDIT)	
2020	CA	13	U13	313702	2	2	NCCER WELDING TECHNOLOGY I (2 CREDITS)	

				Course Code	Credits Allowed	Credits Required	Course Name	Actions
2020	CA	13	U13	110742	2	2	NCCER WELDING TECHNOLOGY I (2 CREDITS)	
2020	CA	13	U13	313703	3	1.5	NCCER WELDING TECHNOLOGY I (3 CREDITS)	
2020	CA	13	U13	110743	3	1.5	NCCER WELDING TECHNOLOGY I (3 CREDITS)	
2020	CA	13	U13	313705	1	0.5	NCCER WELDING TECHNOLOGY II (1 CREDIT)	
2020	CA	13	U13	110746	1	0.5	NCCER WELDING TECHNOLOGY II (1 CREDIT)	
2020	CA	13	U13	313712	2	2	NCCER WELDING TECHNOLOGY II (2 CREDITS)	
2020	CA	13	U13	110747	2	2	NCCER WELDING TECHNOLOGY II (2 CREDITS)	
2020	CA	13	U13	313713	3	1.5	NCCER WELDING TECHNOLOGY II (3 CREDITS)	
2020	CA	13	U13	110748	3	1.5	NCCER WELDING TECHNOLOGY II (3 CREDITS)	
2020	CA	13	U13	313621	1	0.5	NCCER Welding Technology III (1 credit)	
2020	CA	13	U13	313622	2	2	NCCER Welding Technology III (2 credits)	
2020	CA	13	U13	313623	3	1.5	NCCER Welding Technology III (3 credits)	
2020	CA	13	U13	313624	1	0.5	NCCER Welding Technology IV (1 credit)	
2020	CA	13	U13	313625	2	2	NCCER Welding Technology IV (2 credits)	
2020	CA	13	U13	313626	3	1.5	NCCER Welding Technology IV (3 credits)	
2020	CA	13	U13	110955	1	0.5	OIL AND GAS PRODUCTION OPERATIONS (1 CREDIT)	
2020	CA	13	U13	150000	1	0.5	Physics I	
2020	CA	13	U13	110862	1	0.5	PLTW Engineering Design and Development	
2020	CA	13	U13	110802	1	0.5	PLTW Introduction to Engineering Design	
2020	CA	13	U13	080109	1	0.5	PLTW Principles of Engineering	
2020	CA	13	U13	110810	1	0.5	Principles of Engineering (1 Credit)	
2020	CA	13	U13	110811	2	2	Principles of Engineering (2 Credits)	
2020	CA	13	U13	110864	1	0.5	PRINCIPLES OF ENGINEERING (LSU PARTNERSHIP)	
2020	CA	13	U13	110915	1	0.5	Process Instrumentation I	
2020	CA	13	U13	110916	1	0.5	Process Instrumentation II	
2020	CA	13	U13	110911	1	0.5	PROCESS TECHNICIAN I (1 credit)	
2020	CA	13	U13	110913	2	2	Process Technician I (2 credits)	
2020	CA	13	U13	110914	3	1.5	Process Technician I (3 credits)	
2020	CA	13	U13	110912	1	0.5	PROCESS TECHNICIAN II (1 credit)	
2020	CA	13	U13	110917	2	2	Process Technician II (2 credits)	
2020	CA	13	U13	110918	3	1.5	Process Technician II (3 credits)	
2020	CA	13	U13	110919	1	0.5	Process Technician III (1 credit)	
2020	CA	13	U13	110920	2	2	Process Technician III (2 credits)	
2020	CA	13	U13	110921	3	1.5	Process Technician III (3 credits)	
2020	CA	13	U13	110922	1	0.5	Process Technology I: Equipment	
2020	CA	13	U13	110923	1	0.5	Process Technology II: Unit Systems	
2020	CA	13	U13	110924	1	0.5	Process Technology III: Operations	
2020	CA	13	U13	313727	1	0.5	Quality Controls	
2020	CA	13	U13	150780	1	0.5	ROBOTICS (LSU PARTNERSHIP)	
2020	CA	13	U13	150730	1	0.5	ROBOTICS: ADVANCED (1 CREDIT)	
2020	CA	13	U13	150731	2	2	ROBOTICS: ADVANCED (2 CREDITS)	
2020	CA	13	U13	150723	1	0.5	ROBOTICS: BEGINNER (1 CREDIT)	
2020	CA	13	U13	150729	1	0.5	ROBOTICS: INTERMEDIATE (1 CREDIT)	
2020	CA	13	U13	312700	1	0.5	SHEET METAL I (1 CREDIT)	
2020	CA	13	U13	312702	2	2	SHEET METAL I (2 CREDITS)	
2020	CA	13	U13	312703	3	1.5	SHEET METAL I (3 CREDITS)	
2020	CA	13	U13	313123	1	0.5	SMAW Pipe 5G	
2020	CA	13	U13	313124	1	0.5	SMAW Pipe 6G	
2020	CA	13	U13	110956	1	0.5	T2 SAFETY SYSTEMS FOR OIL AND GAS PRODUCTION (1 CREDIT)	
2020	CA	13	U13	110230	1	0.5	WELDING TECHNOLOGY	



TRANSPORTATION, DISTRIBUTION, & LOGISTICS

For incoming freshmen beginning 2020-2021

OVERVIEW

The Transportation, Distribution, and Logistics Jump Start 2.0 Pathway focuses on the planning, managing, and moving of people, materials, and goods by road, pipeline, air, rail, and water. Pathway coursework will also equip students to provide professional and technical support services for transportation infrastructure planning and management, logistics, mobile equipment and facility maintenance. Pathway coursework will also equip students with skills to pilot drones.

COLLEGE AND CAREER CONNECTIONS

Finding high-wage career opportunities directly out of high school can be challenging. It typically requires advanced capstone credentials accompanied by work experience and/or apprenticeships in the field.

High School to Career	Community/Technical College to Career	University to Career
Automotive Body Repair Apprentice	Collision Repair Technician	Automotive and Logistics Engineer
Automotive Information Helper	Automotive Technician	Mechanical Engineer
Drone Pilot	Aviation Airframe Maintenance Mechanic	Commercial Pilot

CAPSTONE CREDENTIALS

In order to graduate, Jump Start students must earn at least one credential from the options below.

Regional (Emerging)	Basic	Advanced
Career and Technical Certificate (LCTCS)*	Certificate of Technical Studies (LCTCS)*	Technical Diploma (LCTCS)*
CDL Class B	ASE Student Certificate Entry Level Automobile: • Automobile Service Technology • Automotive Transmission and Transaxle • Brakes • Electrical/Electronic Systems • Engine Performance • Engine Repair • Heat and Air Conditioning • Maintenance and Light Repair • Manual Drivetrain and Axles • Steering and Suspension	ASE Student Certificate (3+ certifications from the basic list)
I-Car Student Certification		Autodesk Inventor Certified User
Maritime Safety Credentials Suite: • Personal Safety/Social Responsibilities, Basic Water Survival, Basic Firefighting, AND Basic First Aid/CPR AED		
OSHA: • OSHA 10** • OSHA 30	ASE Student Certification Collision and Repair: • Structural Analysis and Damage Repair • Non-structural Analysis and Damage Repair • Mechanical and Electrical Components • Painting and Refinishing	
PEC Basic Orientation: • Safe Land • Safe Gulf Water Survival/Helicopter Underwater Egress Training (HUET)		
S/P2 Automotive Service Safety AND Automotive Service Pollution Prevention	ASE Student Certification Medium/Heavy Truck: • Diesel Engines • Electrical/Electronic Systems • Brakes • Suspension and Steering • Inspection, Maintenance and Minor Repairs	
	Autodesk Certified User AutoCAD	
	Certified Logistics Associate or Technician (MSSC)	
	Certified in Logistics, Transportation and Distribution (ASTL)	
	FAA Part 107: Small Unmanned Aircraft Operation	
	Four Stroke Engine Technician	
	Geographic Information System - Entry Level Technician Certification	
	I-CAR Platinum Role: Refinish Technician and Non Structural Technician	
	Louisiana Micro-Enterprise - Statewide	

*Aligned to pathway.

**Credential is only available to students with disabilities as indicated by a current IEP.

UNIVERSAL DOCUMENTS

[CDF ELIGIBLE COURSES](#)

[JUMP START FUNDING](#)

[UNIVERSAL COURSE CODES](#)

Course Code	Credits Allowed	Credits Required	Course Name	Actions
110590	1	0.5	ADVANCED TECHNICAL DRAFTING	
110830	1	0.5	AEROSPACE ENGINEERING (1 CREDIT)	
150903	1	0.5	AEROSPACE SCIENCE	
010446	1	0.5	AG POWER EQUIPMENT (1 CREDIT)	Added 2022-2023
310200	1	0.5	AUTO BODY REPAIR I (1 CREDIT)	
310202	2	2	AUTO BODY REPAIR I (2 CREDITS)	
310203	3	1.5	AUTO BODY REPAIR I (3 CREDITS)	
310205	1	0.5	AUTO BODY REPAIR II (1 CREDIT)	
310212	2	2	AUTO BODY REPAIR II (2 CREDITS)	
310213	3	1.5	AUTO BODY REPAIR II (3 CREDITS)	
310214	1	0.5	Auto Body Repair III (1 credit)	
310215	2	2	AUTO BODY REPAIR III (2 CREDITS)	
310216	3	1.5	AUTO BODY REPAIR III (3 CREDITS)	
310217	1	0.5	Auto Body Repair IV (1 credit)	
310218	2	2	AUTO BODY REPAIR IV (2 CREDITS)	
310219	3	1.5	AUTO BODY REPAIR IV (3 CREDITS)	
310300	1	0.5	AUTOMOTIVE TECHNICIAN I (1 CREDIT)	
310312	2	2	AUTOMOTIVE TECHNICIAN I (2 CREDITS)	
310313	3	1.5	AUTOMOTIVE TECHNICIAN I (3 CREDITS)	
310305	1	0.5	AUTOMOTIVE TECHNICIAN II (1 CREDIT)	
310322	2	2	AUTOMOTIVE TECHNICIAN II (2 CREDITS)	
310323	3	1.5	AUTOMOTIVE TECHNICIAN II (3 CREDITS)	
310306	1	0.5	AUTOMOTIVE TECHNICIAN III (1 CREDIT)	
310332	2	2	AUTOMOTIVE TECHNICIAN III (2 CREDITS)	
310333	3	1.5	AUTOMOTIVE TECHNICIAN III (3 CREDITS)	
310307	1	0.5	AUTOMOTIVE TECHNICIAN IV (1 CREDIT)	
310342	2	2	AUTOMOTIVE TECHNICIAN IV (2 CREDITS)	
310343	3	1.5	AUTOMOTIVE TECHNICIAN IV (3 CREDITS)	
310308	1	0.5	AUTOMOTIVE TECHNICIAN V (1 CREDIT)	
310352	2	2	AUTOMOTIVE TECHNICIAN V (2 CREDITS)	
310353	3	1.5	AUTOMOTIVE TECHNICIAN V (3 CREDITS)	
310309	1	0.5	AUTOMOTIVE TECHNICIAN VI (1 CREDIT)	
310362	2	2	AUTOMOTIVE TECHNICIAN VI (2 CREDITS)	
310363	3	1.5	AUTOMOTIVE TECHNICIAN VI (3 CREDITS)	
110560	1	0.5	BASIC TECHNICAL DRAFTING	
040307	1	0.5	Business Math	
310600	1	0.5	CARPENTRY I (1 CREDIT)	
310602	2	2	CARPENTRY I (2 CREDITS)	
310603	3	1.5	CARPENTRY I (3 CREDITS)	
310605	1	0.5	CARPENTRY II (1 CREDIT)	
310612	2	2	CARPENTRY II (2 CREDITS)	
310613	3	1.5	CARPENTRY II (3 CREDITS)	
040220	1	0.5	COMPUTER TECHNOLOGY LITERACY	
061101	1	0.5	COMPUTER TECHNOLOGY/LITERACY	
080532	1	0.5	DATA MANIPULATION AND ANALYSIS (LSU PARTNERSHIP)	
040207	1	0.5	DESKTOP PUBLISHING	
061114	1	0.5	DESKTOP PUBLISHING	
311200	1	0.5	DIESEL MECHANICS I (1 CREDIT)	
311202	2	2	DIESEL MECHANICS I (2 CREDITS)	
311203	3	1.5	DIESEL MECHANICS I (3 CREDITS)	
311205	1	0.5	DIESEL MECHANICS II (1 CREDIT)	
311212	2	2	DIESEL MECHANICS II (2 CREDITS)	

311213	3	1.5	DIESEL MECHANICS II (3 CREDITS)	
080800	1	0.5	DIGITAL MEDIA I (1 CREDIT)	
080802	2	2	DIGITAL MEDIA I (2 CREDITS)	
080803	3	1.5	DIGITAL MEDIA I (3 CREDITS)	
110310	1	0.5	ENERGY, POWER AND TRANSPORTATION TECHNOLOGY	
310392	1	0.5	Engine Diagnosis and Repair	
150740	1	0.5	FIRST ROBOTICS I (1 CREDIT)	
150750	1	0.5	FIRST ROBOTICS II (1 CREDIT)	
150760	1	0.5	FIRST ROBOTICS III (1 CREDIT)	
150770	1	0.5	FIRST ROBOTICS IV (1 CREDIT)	
310631	1	0.5	Fundamentals of Industrial Scaffolding (1 Credit)	
310632	2	2	Fundamentals of Industrial Scaffolding (2 Credits)	
313200	1	0.5	G.M. TECHNICIAN I (1 CREDIT)	
313202	2	2	G.M. TECHNICIAN I (2 CREDITS)	
313203	3	1.5	G.M. TECHNICIAN I (3 CREDITS)	
313205	1	0.5	G.M. TECHNICIAN II (1 CREDIT)	
313212	2	2	G.M. TECHNICIAN II (2 CREDITS)	
313213	3	1.5	G.M. TECHNICIAN II (3 CREDITS)	
310315	1	0.5	GENERAL AUTOMOTIVE MAINTENANCE (1 CREDIT)	
310302	2	2	GENERAL AUTOMOTIVE MAINTENANCE (2 CREDITS)	
310303	3	1.5	GENERAL AUTOMOTIVE MAINTENANCE (3 CREDITS)	
080300	3	1.5	GENERAL COOPERATIVE EDUCATION I (3 CREDITS)	
080301	3	1.5	GENERAL COOPERATIVE EDUCATION II (3 CREDITS)	
311800	1	0.5	INDUSTRIAL ELECTRONICS I (1 CREDIT)	
311802	2	2	INDUSTRIAL ELECTRONICS I (2 CREDITS)	
311803	3	1.5	INDUSTRIAL ELECTRONICS I (3 CREDITS)	
311805	1	0.5	INDUSTRIAL ELECTRONICS II (1 CREDIT)	
311812	2	2	INDUSTRIAL ELECTRONICS II (2 CREDITS)	
311813	3	1.5	INDUSTRIAL ELECTRONICS II (3 CREDITS)	
311900	1	0.5	INDUSTRIAL MACHINES SHOP I (1 CREDIT)	
311902	2	2	INDUSTRIAL MACHINES SHOP I (2 CREDITS)	
311903	3	1.5	INDUSTRIAL MACHINES SHOP I (3 CREDITS)	
311905	1	0.5	INDUSTRIAL MACHINES SHOP II (1 CREDIT)	
311912	2	2	INDUSTRIAL MACHINES SHOP II (2 CREDITS)	
311913	3	1.5	INDUSTRIAL MACHINES SHOP II (3 CREDITS)	
311915	1	0.5	Industrial Machines Shop III (1 credit)	
311916	2	2	INDUSTRIAL MACHINES SHOP III (2 CREDITS)	
311917	3	1.5	INDUSTRIAL MACHINES SHOP III (3 CREDITS)	Code Correction
311918	1	0.5	Industrial Machines Shop IV (1 credit)	
311919	2	2	INDUSTRIAL MACHINES SHOP IV (2 CREDITS)	
311920	3	1.5	INDUSTRIAL MACHINES SHOP IV (3 CREDITS)	
061141	1	0.5	Intro to Computational Thinking	
061140	1	0.5	INTRO TO COMPUTATIONAL THINKING FOR STEM (LSU PARTNERSHIP)	
312091	1	0.5	Intro to Maritime Careers & Opportunities	
110800	1	1	INTRODUCTION TO ENGINEERING DESIGN (1 CREDIT)	
110801	1	0.5	INTRODUCTION TO ENGINEERING DESIGN (LSU PARTNERSHIP)	
110799	0.5	0.5	INTRODUCTION TO ENGINEERING DESIGN I (1/2 CREDIT)	
311922	1	0.5	Introduction to Hazardous Materials	
313831	1	0.5	Introduction to Logistics	
310373	1	0.5	Introduction to Motor Vehicle Technology	
110795	1	0.5	Introduction to Remote Controlled Vehicle Technologies	
170012	1	0.5	JR. ROTC: Air Force Aerospace Science	
313837	1	0.5	Logistics I	

313838	1	0.5	Logistics II	
313839	1	0.5	Logistics III	
313840	1	0.5	Logistics IV	
313836	1	0.5	Maintenance Assistant	
110020	1	0.5	MARINE ENGINEERING (1 CREDIT)	
312100	1	0.5	MARINE OPERATIONS I (1 CREDIT)	
312102	2	2	MARINE OPERATIONS I (2 CREDITS)	
312103	3	1.5	MARINE OPERATIONS I (3 CREDITS)	
312105	1	0.5	MARINE OPERATIONS II (1 CREDIT)	
312112	2	2	MARINE OPERATIONS II (2 CREDITS)	
312113	3	1.5	MARINE OPERATIONS II (3 CREDITS)	
110005	1	0.5	MATERIALS AND PROCESSES	
312300	1	0.5	OUTDOOR POWER EQUIPMENT TECHNICIAN I (1 CREDIT)	
312302	2	2	OUTDOOR POWER EQUIPMENT TECHNICIAN I (2 CREDITS)	
312303	3	1.5	OUTDOOR POWER EQUIPMENT TECHNICIAN I (3 CREDITS)	
312305	1	0.5	OUTDOOR POWER EQUIPMENT TECHNICIAN II (1 CREDIT)	
312312	2	2	OUTDOOR POWER EQUIPMENT TECHNICIAN II (2 CREDITS)	
312313	3	1.5	OUTDOOR POWER EQUIPMENT TECHNICIAN II (3 CREDITS)	
312320	1	0.5	OUTDOOR POWER EQUIPMENT TECHNICIAN III (1 CREDIT)	
312321	2	2	OUTDOOR POWER EQUIPMENT TECHNICIAN III (2 CREDITS)	
312322	3	1.5	OUTDOOR POWER EQUIPMENT TECHNICIAN III (3 CREDITS)	
312330	1	0.5	OUTDOOR POWER EQUIPMENT TECHNICIAN IV (1 CREDIT)	
312331	2	2	OUTDOOR POWER EQUIPMENT TECHNICIAN IV (2 CREDITS)	
312332	3	1.5	OUTDOOR POWER EQUIPMENT TECHNICIAN IV (3 CREDITS)	
110831	1	0.5	PLTW Aerospace Engineering	
312098	1	0.5	PLTW Environmental Sustainability	
110330	1	0.5	POWER MECHANICS	
310630	1	0.5	Project Management	
110796	1	0.5	Remote Controlled Vehicle Technologies (1 credit)	
110797	2	2	Remote Controlled Vehicle Technologies (2 credits)	
110798	3	1.5	Remote Controlled Vehicle Technologies (3 credits)	
150780	1	0.5	ROBOTICS (LSU PARTNERSHIP)	
150730	1	0.5	ROBOTICS: ADVANCED (1 CREDIT)	
150731	2	2	ROBOTICS: ADVANCED (2 CREDITS)	
150723	1	0.5	ROBOTICS: BEGINNER (1 CREDIT)	
150729	1	0.5	ROBOTICS: INTERMEDIATE (1 CREDIT)	
310381	1	0.5	Steering and Suspension Systems	
313833	1	0.5	Supply Chain Management	
313832	1	0.5	Transportation Management	
313835	1	0.5	Warehouse and Inventory Management	
110502	1	0.5	Water Distribution Operator	
110500	1	0.5	Water Production Operator	
110501	1	0.5	Water Treatment Operator	

Jump Start 2.0 Universal Courses

*Courses on this list can be applied to any of the Jump Start 2.0 Pathways to meet the 9-credit requirement. When courses are listed in a sequence (e.g. Law Studies or Business Law), only one course from the sequence can be used to meet the 9 Jump Start requirements**

Safety Courses	
Course Code	Course Name
311923 or 311924	Workplace Safety (1 credit or 2 credit)
040218 or 040217	Cyber Society (NICERC Partnership) or Cybersecurity (LSU Partnership)
090711 or 090712	Emergency Medical Responder (1 credit or 2 credit)
311720 or 080230 or 080231	NCCER Core or CDF-Qualifying Pre-Apprenticeship (etA, CITF, or NABTU)
080205 or 080224	Virtual Workplace Experience I (1 credit or 2 credit)
080207 or 080225	Virtual Workplace Experience II (1 credit or 2 credit)

Entrepreneurship Courses	
Course Code	Course Name
041038 or 040301 or 040306	Entrepreneurship or Principles of Business (1/2 credit or 1 credit)
041041	Entrepreneurship II (Advanced Micro Enterprise Credential)
220507 or 220506 or 040303	Law Studies or Business Law

Computer Literacy Courses	
Course Code	Course Name
040401	Introduction to Business Computer Applications
040400 or 061102	Business Computer Applications or Computer Science
080021	Digital Image and Motion Graphics (LSU Partnership)

Financial Awareness Courses	
Course Code	Course Name
160345 or 041022	Financial Literacy ** or Personal Finance
040101 or 165010	Accounting I or Technical Math

Workplace Communication Courses	
Course Code	Course Name
051101	Speech I (Business Communication)
041001	Customer Service
120350	Technical Writing **
	Foreign Language 1
	Foreign Language 2 (same language)

Work-Based Learning Courses	
Course Code	Course Name
080202 or 080200	CDF-Qualifying CTE Internship I (1 credit or 2 credit)
080201 or 080203	CDF-Qualifying CTE Internship II (1 credit or 2 credit)
042030	Jobs for America's Graduates 3
042040	Jobs for America's Graduates 4
040205	Cooperative Office Education
041010	Cooperative Marketing Education
080100	STAR I

Students on Jump Start pathways must take at least 1 Career Readiness Course

Basic Career Readiness Courses	
Course Code	Course Name
080411	Quest for Success
010301	Agriscience I
042010	Jobs for America's Graduates I
090029 or 090930	Introduction to Health Occupations
110010	General Technology Education (Introduction to Skilled Crafts)
061139	Introduction to STEM Pathways and Careers (LSU Partnership)

Advanced Career Readiness Courses	
Course Code	Course Name
080399	Propel I
080398	OneGoal I
080407	Career Success Skills (LCTCS Partnership)
TBD	Biodefense in the Workforce
042020	Jobs for America's Graduates 2
170003	ROTC III
170004	ROTC IV

* Universal Courses do not apply to K16 pathways unless specifically identified in the pathway document

**Cannot be used for both Math or English credit and Jump Start elective credit