



Course Description Guide for 2020-2021

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DIPLOMA OVERVIEW FOR PARENTS AND STUDENTS OF STUDENTS ENTERING HIGH SCHOOL

Jump Start TOPS (Career Diploma)

<http://www.louisianabelieves.com/docs/default-source/course-choice/blueprint---appendix-1.pdf?sfvrsn=2>

<http://www.louisianabelieves.com/resources/library/jump-start-graduation-pathways>

TOPS University Diploma

<http://www.louisianabelieves.com/docs/default-source/course-choice/college-diploma-requirements-with-course-codes.pdf?sfvrsn=14>

Bossier Schools Course plans for 2020-2021

Bossier Parish Schools strive to provide courses for students that prepare them for the ever-changing demands of college and career readiness. This has been accomplished by continuing to add new courses to meet students' needs. Core curriculum courses and many elective courses will be located on the home school campus and many additional courses will be offered at Bossier Parish School for Technology and Innovative Learning. The courses offered at BPSTIL will complement and supplement the courses offered at each home school. BPSTIL is located at 1841 Swan Lake Road, Bossier City. Bus transportation will be provided to and from BPSTIL to each home school.

Some courses are weighted on a 5 point scale. They are identified by + in front of the course name. For more information on weighted grading scales and courses, please see the Pupil Progression Plan available for viewing on our website.

Please review the Course Description Guide for courses that can be taken at the high school and at BPSTIL that you might be interested in selecting for next year. For additional information please contact your high school counselor.

The Bossier Parish School System shall not discriminate in the rendering of services to and/or Employment of individuals because of race, color, sex, religion, age, national origin, handicap, disability, Veteran status, or any non-merit factor

Bossier Parish High School Class Assignment Procedure
(Grades 9–12)

To further the District’s goal of achieving heterogeneous and diverse grouping in all classes within the schools to the extent practicable, the Principal of each high school will ensure that the following procedure is utilized when assigning students to particular classes. This procedure should be utilized for all student class scheduling except, as specifically identified below, where an individual student’s assignment is controlled by an Individualized Education Plan (IEP) and/or is otherwise subject to nondiscriminatory considerations relative to the student’s best interest.

Each student shall be furnished a schedule of classes offered. Some classes may have prerequisites for enrollment. Assistance in planning a course of study and selection of classes shall be provided by teachers, counselors, parents, and administrator.

Students will be assigned to all sections of non-elective classes considering, among other things, the overall racial composition of students assigned to each class.

1. Once students have completed their course selection (either on paper or electronically), they will be scheduled into classes using the District’s Student Information System (SIS) The SIS will generate classes through a process that will randomly assign individual students to classes according to the student’s voluntary course selection in such a manner that the classes are as evenly divided as possible both numerically and by inclusion of all levels of academic ability, race, and gender.
2. For purposes of heterogenous grouping, a student’s academic ability level will be determined by the student’s report cards and the most recent testing results.
3. The Principal will ensure that all students are assigned to classes in accordance with the SIS process and that no assignment is made or changed except by that process or as otherwise permitted in this procedure, as specifically provided below.
4. Students with IEP’s permitted assignment to regular classrooms will be included in the SIS assignment process. After the SIS schedule is run, schedule changes can be made to adjust the schedule of SPED and AIM students according to needs identified on the individual student’s IEP.
5. Students with IEP’s requiring self-contained classroom assignments will be removed from the student list prior to running the initial SIS schedule. The Principal will ensure that such students are assigned to self-contained classrooms in a nondiscriminatory manner and, to the extent permissible by the individual IEP’s, such that students are assigned so that the self-contained classes are diverse based on race and gender, to the extent permissible by the IEP’s and practicable.

6. In accordance with state law, the parent(s) of twins, triplets, more than one child at a single birth event, or siblings/family members, etc. may request that their children be placed initially in the same, or separate, classrooms, if children are in the same grade at the same school. Such a request shall be presented to the Principal no later than fourteen (14) days either after the first day of the school year or after the first day of attendance if the child enrolls after the fourteenth day of the school year. This procedure does not supersede any law, regulation, or School Board policy to the contrary. In particular, this exception to the SIS process will not apply in situations where the application of the exception is contrary to any desegregation order.
7. The practice of employee and parent/guardian privilege to select classes/teachers is strictly prohibited.
8. In the event educational considerations or other extenuating circumstances exist which may necessitate a change from the SIS assignment for an individual student, the Principal will use his/her discretion based on sound educational principles to determine what reassignment, if any, should be made. Such circumstances will, in no event, include teacher, employee, or parent/guardian preference but must be directly related to the educational needs of the student.
9. The Principal will maintain a record of the SIS process and results as well as documentation of any reassignments made from those results.

Name _____

Tops University Diploma

Grade _____

VS Jump Start Diploma

*Both diplomas are high school diplomas. On the University track, a student can attend a four-year university immediately after high school. On the Jumpstart track, a student can still attend college but must attend a community college for at least the first year before transferring to a four-year university.

TOPS UNIVERSITY*

Grade	Required
	English I
	English II
	English III/AP English Lang
	English IV/AP English Lit
	Algebra I
	Geometry
	Algebra II
	Higher Math
	Civics
	US History
	World Geography
	W History
	Biology
	Chemistry
	Science
	Science
	Spanish I
	Spanish II
	Fine Art
	PE I/ JROTC 100
	PE II/ JROTC 200
	Health
	Elective
	Elective
	Elective

Total Credits= 24

Jump Start Pathway*:

Grade	Required	Name of Course/IBC
	English I	
	English II	
	English III/ Business Eng	
	English IV/Technical Wr	
	Algebra I	
	Math	
	Math	
	Math	
	Civics	
	US History	
	Biology	
	Science	
	PE I/ JROTC 100	
	PE II/ JROTC 200	
	Health	
	Jumpstart Elective**	
	Jumpstart Elective**	
	Jumpstart Elective**	
	Jumpstart Elective**	
	Jumpstart Elective**	
	Jumpstart Elective**	
	Jumpstart Elective**	
	Jumpstart Elective**	
	Jumpstart Elective**	
	IBC***	
	IBC***	
	IBC***	

Total Credits=23

*In addition to earning passing grades in the required courses, all students (regardless of track) are required to pass End of Course Exams (EOCs) in designated courses:

Algebra I or Geometry

English I or English II

Biology or US History.

**These courses are electives based on a Jumpstart Career Pathway

***In addition, all students in the Jumpstart track are also require to pass up to 3 Industry Based Exams (IBC)

LEAP 2025	Highest score
Algebra I	
Geometry	
English I	
English II	
Biology	
US History	

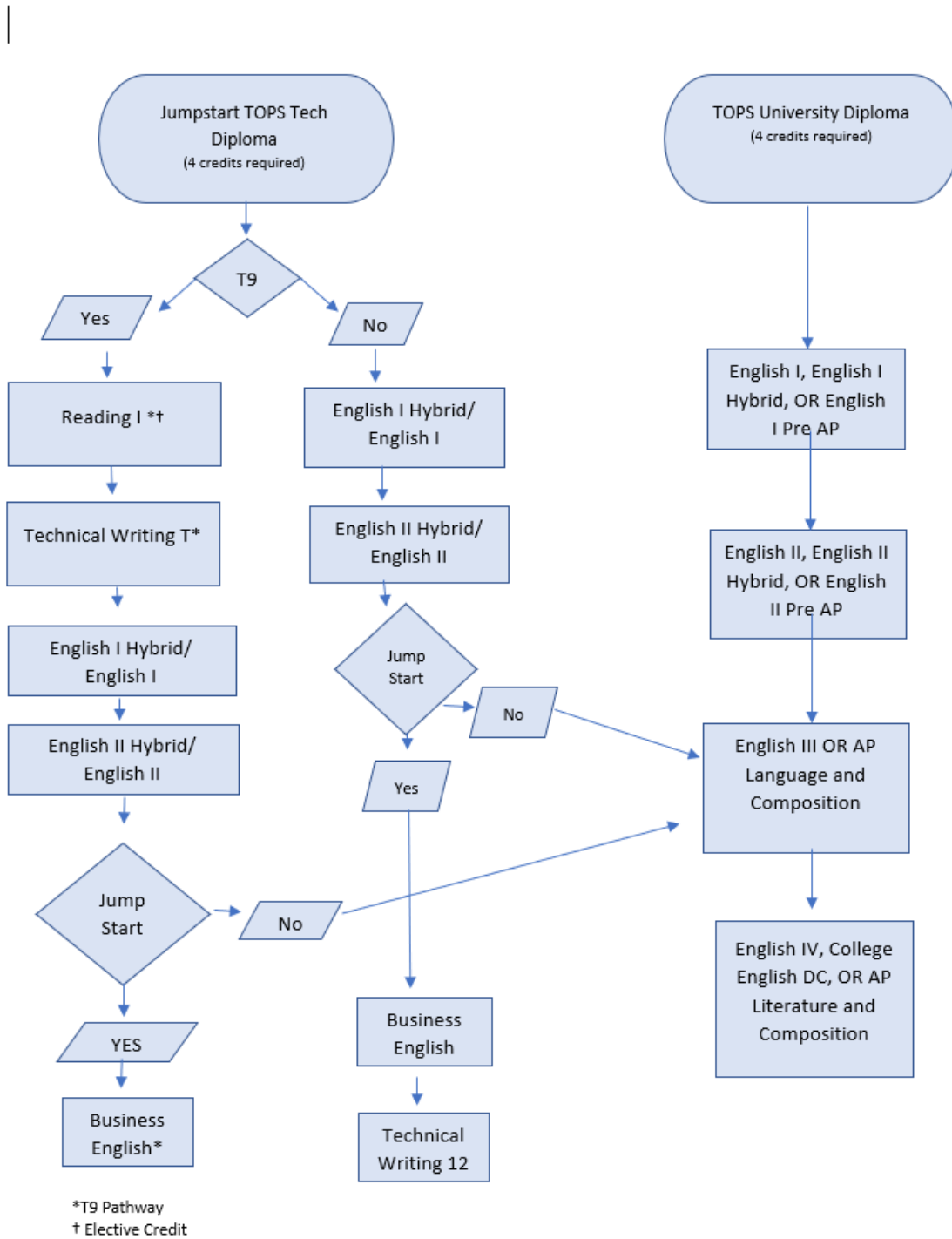
OR

LEAP 2025	Highest Score
Algebra I	
Geometry	
English I	
English II	
Biology	
US History	

ACT Comp	
Eng	
Math	
Reading	
Science	

Work Keys	
Business Writing	
Applied Math	
Applied Technology	

English Pathways 2020-2021



ENGLISH AND LANGUAGE ARTS

English I- 1 credit

English I is an introductory course in the study of literature with a focus on writing. Students are expected to read, understand, and analyze a variety of literary and informational texts. An emphasis is placed on organizing logical arguments with clearly expressed related definitions, theses, and evidence. English I students read extensively in multiple genres from world literature. Students learn literary forms and terms associated with selections being read. A literary research paper is required. **English I is required for both Jump Start and TOPS University diplomas (can substitute with English I Pre-AP) Culminates with the English I LEAP 2025 exam** (Prerequisite: None)

English I and Speech I Hybrid- 2 credits (1 credit English I/ 1 credit Speech I)

This year long course will include both English I and Speech I. English I is an introductory course in the study of literature with a focus on writing. Students are expected to read, understand, and analyze a variety of literary and informational texts. An emphasis is placed on organizing logical arguments with clearly expressed related definitions, thesis, and evidence. English I students read extensively in multiple genres from world literature. Students learn literary forms and terms associated with selections being read. A literary research paper is required. **English I is required for both Jump Start and TOPS University diplomas. Culminates with the English I LEAP 2025 exam.** Speech I emphasizes the fundamentals of public speaking: informative speech, special occasion speech, visual aid speech, group discussion and propaganda. **Speech I is a Universal Jump Start course.** Both courses will be blended together to emphasize the importance of written and verbal communication. (Prerequisite: None)

English I Pre-AP- 1 credit

This course combines all of the course work of English I and requires an in depth study of literature. Students will be expected to engage in extensive and challenging reading and writing assignments. Emphasis is placed on literary analysis, critical thinking, essay writing, and research skills. A literary research paper and summer reading assignment are required. **English I is required for both Jump Start and TOPS University diplomas. Culminates with the English I LEAP 2025 exam.**

English II- 1 credit

English II students continue to increase and refine their communication skills and critical analysis of texts across genres. Students are expected to plan, draft, edit, and revise written compositions on a regular basis in a variety of forms including expository, persuasive, and analytical texts. English II students read extensively in multiple genres from world literature such as reading selected stories, dramas, novels, and poetry. An argumentative research paper is required. **English II is required for both Jump Start and TOPS University diplomas. Culminates with the English II LEAP 2025 exam.**(Prerequisite: English I).

English II and Speech II Hybrid- 2 credits (1 credit English II/ 1 credit Speech II)

This year long course will include both English II and Speech II. English II students continue to increase and refine their communication skills and critical analysis of texts across genres. Students are expected to plan, draft, edit, and revise written compositions on a regular basis in a variety of forms including expository, persuasive, and analytical texts. English II students read extensively in multiple genres from world literature such as reading selected stories, dramas, novels, and poetry. An argumentative research paper is required. **English II is required for both Jump Start and TOPS University diplomas. Culminates with the English II LEAP 2025 exam.** Speech II expands skills involved in advanced public speaking. This course emphasizes higher level speech construction and delivery, including a focus on research methods, rhetorical skills, persuasion, and self-evaluation. **Speech II is a Universal Jump Start course.** Both courses will be blended together to emphasize the importance of written and verbal communication. (Prerequisite: English I and Speech I or consent of the instructor)

English II Pre-AP - 1 credit

This course combines all of the course work of English II and continues to accelerate the integration of the strands of language arts. It includes advanced mechanics, syntax, usage, and vocabulary in preparation for Advanced Placement exams. An argumentative research paper and summer reading assignment are required. **English II is required for both Jump Start and TOPS University diplomas. Culminates with the English II LEAP 2025 exam.** (Prerequisite: English I)

Business English – 1 credit

This course provides students with the skills needed to be successful in a business environment. Students will study common business correspondence, such as, memoranda, specialized letters, and technical reports. Reading and writing of business documents will also be emphasized. Students will develop skills in the principles of grammar, punctuation, and vocabulary needed in business transactions. Students will also practice speaking, listening, and communicating nonverbally in a business environment. **Business English is a Universal Jump Start course.** (Prerequisite: English II)

English III- 1 credit

English III builds upon English I and English II to refine communication skills. Students read extensively in multiple genres from American literature. Periods from American literature may include the pre-colonial period, colonial and revolutionary periods, romanticism and idealism, realism and naturalism, early 20th century, and late 20th century. A literary research paper is required. **English III is required for the TOPS University diploma (Can substitute with AP Language and Composition).** (Prerequisite: English II)

AP English Language and Composition- 1 credit

AP English Language and Composition is a college- level writing course which follows The College Board curriculum. It engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts. Students will be expected to manage and engage in extensive and challenging reading of American Literature from various time periods and writing assignments which will require in depth analysis, research, evaluation, and synthesis. A literary research paper and a summer reading assignment are required. **English III or AP Language and Composition is required for the TOPS University diploma. Culminates with the AP exam.**(Prerequisite: English II. Students enrolled in an AP course are required to take the AP Exam at a cost set by the parish to cover the test application fee)

Technical Writing 12- 1 credit

This course includes the skills in verbal and written communication that students will need to be successful in the workplace. Students will understand, summarize, interpret, and compare information from simple and complex graphics to identify trends and make informed decisions. They will also demonstrate proficiency in writing and presentation skills by producing different technical writing products, including formal research reports, formal presentations, and workplace writing. Students will also demonstrate an understanding of the context in which communication occurs, the ethical issues involved, how to identify and address the needs of audiences, and the methods and strategies for organizing and presenting information. A research project is required. **Technical Writing is a Universal Jump Start course.** (Prerequisite: Business English)

English IV- 1 credit

English IV builds upon English I, English II, and English III to refine communication skills and critical analysis of texts across genres. Students are expected to write in a variety of forms, including, work-related, analytical, literary, and persuasive texts. The literature focuses on a survey of British literature from the earliest settlers through modern times. A research project is required. **English IV is required for the TOPS University diploma (can substitute with AP Literature and Composition and/or College English- Dual Credit).** (Prerequisite: English III)

+AP English Literature and Composition- 1 credit

AP English Literature and Composition is a college-level course which follows The College Board curriculum. Students are required to read with understanding a range of literature rich in quality and representative of different literary forms and historical periods. Through class discussion and individual analysis of poetry and prose, students hone critical reading and thinking skills essential for post-secondary success. A literary research project and a summer reading assignment are required. **English IV or AP Literature and Composition is required for the TOPS University diploma. Culminates with the AP exam.** (Prerequisite: English III or AP Language and Composition. Students enrolled in an AP course are required to take the AP Exam at a cost set by the parish to cover the test application fee.)

+College English – Dual Credit - 1 credit (3 hours college credit)

This is a Dual Enrollment course paired with English IV. Students receive instruction in the following areas: essay writing, review of British literature, speaking, listening and evaluating of written material. Dual Enrollment credit is through a local university. Courses completed serve as English IV high school requirement and collegiate level credit. Summer reading and research project may be required. **This course may have a Dual Enrollment fee assessed by the post-secondary institution that will be paid by student/parents. Qualified students may take this course for secondary credit only without paying the Dual Enrollment fee. English IV or College English- Dual Credit is required for the TOPS University diploma.** (Prerequisite: English III, University/ Higher Education Institution prerequisite and meets Dual Enrollment and/or ACT requirements)

Reading I- 1 credit

This course assists students in developing the building blocks of the English language. Students learn how to use the sound-spelling correspondences to fluently read and spell words. Moreover, students learn basic grammar concepts, understand sentence parts and patterns, and develop communication skills through speaking and writing. (Prerequisite: Freshman level remedial course. Language! In 8th grade, special criteria, &/or teacher recommendation)

Technical Writing T- 1 credit

This course provides the student with an understanding of communication skills and current and upcoming technology and its impact personally and professionally. Students will also further literacy skill by reading texts through district curriculum. Competency will be developed in the areas of oral and written communication, interpersonal skills, and the use of current technology. This course is recommended for transitional students after Reading I or for students that need additional remediation in preparation for English I. **Technical Writing is a Universal Jump Start course.** (Prerequisite: Reading I or teacher recommendation)

Bible as Literature-1 credit

Bible as Literature I will equip the student with a fundamental understanding of the important literary forms contained in the Bible, as well as, people and symbols often referred to in literature, art, and music. Students will gain a fundamental understanding of important Biblical contributions to history, law, community life, and culture.

Creative Writing- 1 credit

This course includes an examination of the writing styles of different authors of literature and extensive practice in writing fiction, non-fiction, poetry, and plays. Students develop peer and self-assessments for effective writing. (Prerequisites: Completion of English II or consent of Instructor)

Film as Literature – 1 credit

This course includes a review of specific films as literature and emphasizes literary concepts, comprehension strategies, and writing skills. (Prerequisite: English II)

Louisiana Literature – 1 credit

This course includes a systematic introduction to the major literary traditions of Louisiana that reflects the cultural and geographic diversity of the state. (Prerequisite: None)

Mythology- 1 credit

Mythology is intended for students with expectations of becoming proficient in the study of ancient Greek, Roman, and Norse mythology and how it relates to modern life and literature. Students will be asked to prepare oral presentations, work on individual and group projects, and read novels, as well as, various poetry and prose. The goal is to give students a foundation for exploring and understanding English as it relates to Mythology. (Prerequisite: None)

Publications I, II (Yearbook) - 1 credit each

These journalism courses emphasize the preparation of layouts and text for a high school yearbook. Publications I is a prerequisite for Publications II. (Prerequisite: Application.)

Publications III, IV (Yearbook) - 1 credit each

These courses expand skills in preparing layouts and text. They further develop a student's creative writing ability in order to produce a high school yearbook. (Prerequisite: Publications I, II)

Publications I, II (Newspaper) - 1 credit each

These journalism courses emphasize the preparation of layouts and text for a high school newspaper. Publications I is a prerequisite for Publications II. (Prerequisite: Application.)

Publications III, IV (Newspaper) - 1 credit each

These courses expand skills in preparing layouts and text. They further develop a student's creative writing ability in order to produce a high school newspaper. (Prerequisite: Publications I, II)

Speech I - 1 credit

This course emphasizes the fundamentals of public speaking: demonstration speech, high/low graph speech, bag speech, visual aid speech, group discussion and television-radio commercials. **Speech I is a Universal Jump Start course.** (Prerequisite: None)

Speech II - 1 credit each

This course expands skills involved in advanced public speaking. This course emphasizes higher level speech construction and delivery, including a focus on research methods, rhetorical skills, persuasion, and self-evaluation. **Speech II is a Universal JumpStart course.** (Prerequisite: Speech I)

Debate I - 1 credit each

This course emphasizes the fundamentals and techniques in debate. Co-curricular activities may be included as part of academic requirements in this performance class. **Meets requirement for TOPS University diploma.**(Prerequisite: Consent of instructor)

Debate II - 1 credit each

This course expands experiences involved in competitive debate. Co-curricular activities may be included as part of academic requirements in this performance class. **Meets requirement for TOPS University diploma.** (Prerequisites: Debate I or consent of instructor)

Applied ELA

To be eligible for these courses a student must have been evaluated and met criteria according to the Pupil Appraisal Handbook.

Applied ELA I

Applied ELA II

Applied ELA III

Applied ELA IV

Applied English Language Arts Instruction in core ELA content as defined by ESEA for students participating in LEAP Alternate Assessment. Instruction may be integrated with other core content areas. A variety of high- and low-tech individual adaptations and modifications may be utilized in order for students to access the content area. Adaptations may be multi-sensory and multimodality in nature.

Critical Issues – 1 credit

This course includes an examination of the background and arguments pertaining to controversial issues in contemporary society, with emphasis on competing philosophies associated with each argument. *(Prerequisite: None)*

Library Science - 1 credit This course emphasizes locating, evaluating, and using library resources. *(Prerequisite: 12th grade)*

FOREIGN LANGUAGES

French I - 1 credit

French I helps students develop skills in listening, speaking, reading, and writing, as well as, common vocabulary and grammar patterns. Students will experience the cultures of French speaking people. **Meets requirements for TOPS University diploma.** *(Prerequisite: None)*

French II - 1 credit

This course further develops basic language skills in French: speaking, listening, reading, and writing. Knowledge of French culture will be expanded as well as the students' vocabulary base. **Meets requirements for TOPS University diploma.** *(Prerequisite: French I)*

Spanish I - 1 credit

Spanish I helps students develop skills in listening, speaking, reading, and writing, as well as, common vocabulary and grammar patterns. Students will experience the cultures of Spanish speaking people both abroad and in the U.S. **Meets requirements for TOPS University diploma.** *(Prerequisite: None)*

Spanish II - 1 credit

This course further develops basic language skills in Spanish: speaking, listening, reading, and writing. Knowledge of Hispanic culture will be expanded as well as the students' vocabulary base. **Meets requirements for TOPS University diploma.** *(Prerequisite: Spanish I)*

Spanish III - 1 credit

This course emphasizes Spanish literature and the effective use of Spanish as a communication tool. **Meets requirements for TOPS University diploma.** *(Prerequisite: Spanish II, recommend C or above in Spanish II)*

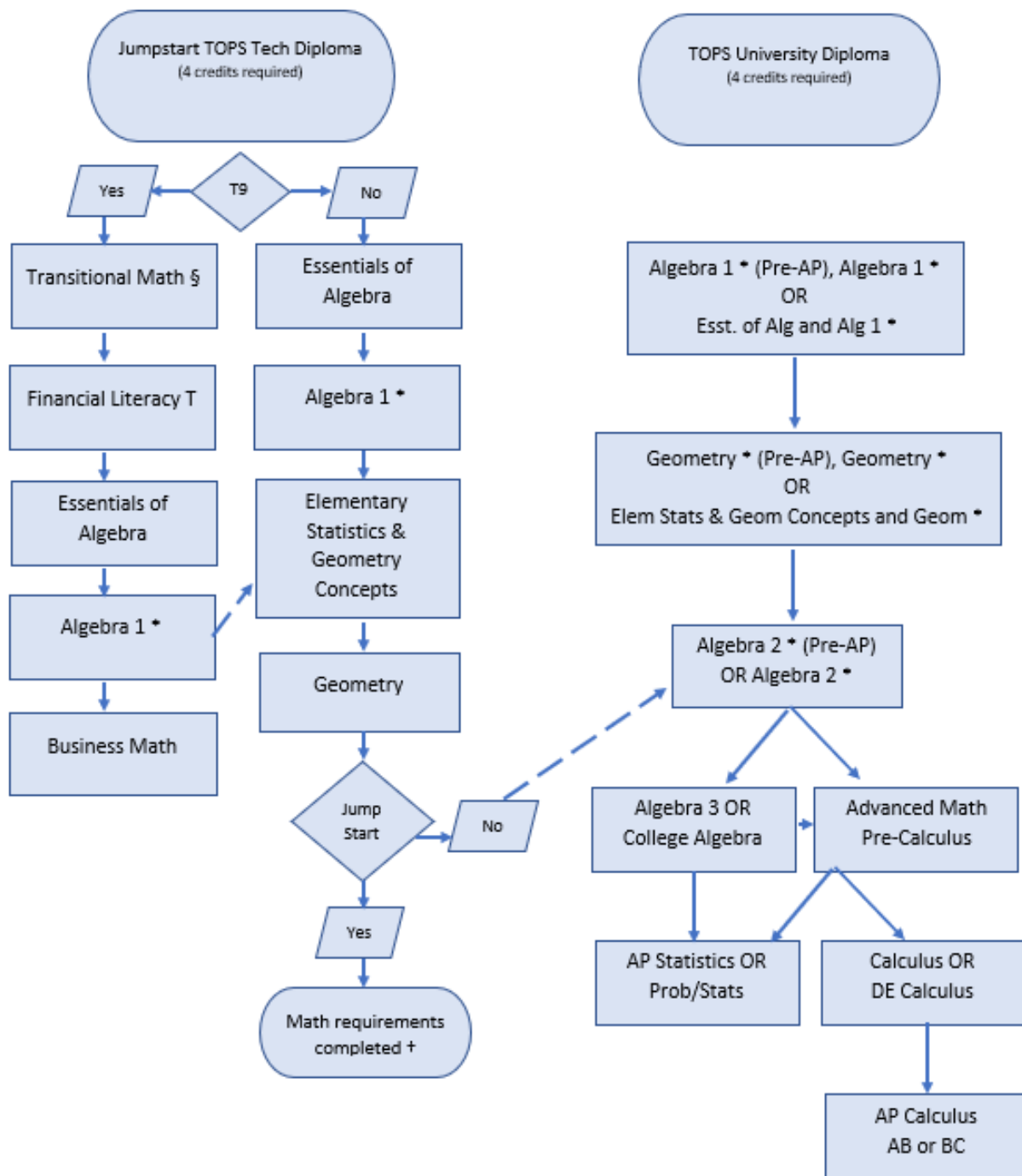
Spanish IV - 1 credit

This course emphasizes oral and written comprehension and expression, including the exploration of significant events in the past, present, and future. Students perfect speaking, comprehension, and writing skills. **Meets requirements for TOPS University diploma.** *(Prerequisite: Spanish III, recommend C or above in Spanish III)*

+AP Spanish Language and Culture - 1 credit

AP Spanish Language and Culture engages students in an exploration of culture in both contemporary and historical contexts. This course develops students' awareness and appreciation of cultural products (tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions). **Meets requirements for TOPS University diploma. Culminates with the AP exam.** *(Prerequisite: Spanish II)*

Mathematics Pathways |2020-2021



* Required for diploma track

§ Elective credit

† Financial Literacy and/or Business math can be taken as additional math credits.

Note – Schools may opt to adjust sequencing or course offerings based on staffing and/or student registration.

MATHEMATICS

Transitional Math - 1 elective credit

Transition math is a comprehensive mathematics course that provides key foundational skill-building and problem-solving experiences targeting fewer topics in greater depth. From rational numbers to algebraic thinking, this class provides rich, grade-level, problem-solving integrated with teaching fundamental skills. Elective credit and taken in the same year as Financial Literacy T. (*Prerequisites: School criteria &/or teacher recommendation*)

Financial Literacy T - 1 credit

This course is designed to focus on mathematical concepts and applications needed for the design and management of personal finances. Financial literacy serves as a foundation for ALL students to learn to make mathematically sound decisions in their roles as consumers, employees, and/or entrepreneurs. This course supports and extends students' knowledge of whole numbers, fractions, decimals, and percents as well as basic statistics and probability, algebra, geometry, and data analysis in the context of relevant real-life problem-solving situations. Emphasis is placed on various mathematical processes that include manual or electronic calculations of payroll, income tax preparations, interest computation, consumer information, managing income, buying insurance, selling and buying, making sound credit and investment decisions and other items that may be related to personal and business transactions. Prior mathematical content is integrated with skills needed for students to be literate in financial concepts. **Elective math credit for Jump Start diploma or elective for TOPS University.** (*Prerequisite: Transition Math*)

Essentials of Algebra - 1 elective credit

Through a combination of algebraic and geometric concepts this course will enhance mathematical knowledge to prepare students for Algebra I and subsequent high school math courses. Application and problem solving in a real world context and critical thinking are integrated throughout the course. Primary emphasis will be placed on the study of linear relationships and descriptive statistics. The course will also extend students' knowledge of exponents, radicals, operations on real numbers, systems of linear equations and inequalities, and statistical reasoning. **Elective math credit for Jump Start diploma** (*Prerequisites: previous LEAP Achievement Level - Basic or below; C or below in 8th grade math; teacher or parent recommendation*)

Algebra I - 1 credit

This course emphasizes the development of a rich understanding of fundamental algebraic ideas in realistic settings. Students will engage in an in-depth study of linear, exponential, and quadratic functions. Additional topics include expressions and equations, relations and functions, arithmetic and geometric sequences, recursion, polynomials, and data analysis. **Required for both Jump Start and TOPS University diplomas and culminates with the LEAP 2025 assessment.**

Algebra I Pre-AP - 1 credit

In addition to emphasizing the same mathematical concepts as Algebra 1, this course promotes a higher level of mathematical understanding, with technology and other resources used as tools to explore and apply algebraic concepts. With the expectation that students will take Calculus, structure and questioning in this course guides and supports students on this path. **Will substitute for Algebra I and culminates with the LEAP 2025 assessment.**

Elementary Statistics and Geometry Concepts - 1 credit

This course covers probability, statistics, and foundational geometry concepts that are prerequisites to the major work comprised in geometry. Introductory definitions, structures of reasoning, properties of parallelism and perpendicularity, and transformations reflect the development of study. Students will extend their foundational knowledge through integrated geometric investigations and extension applications. **Math credit for Jump Start or TOPS diploma.** (*Prerequisite: Algebra I*)

Geometry - 1 credit

Geometry is a study of visual patterns and how they describe the physical universe and represent mathematical concepts. Topics include measurement formulas; geometric and spatial visualization; drawing skills; properties of congruence and similarity; proof; right triangle trigonometry; properties of plane and solid figures; and different applications. Students utilize inductive and deductive reasoning and examine concepts from transformational, synthetic, coordinate, and vector approaches. **Math credit for Jump Start and required for TOPS University diploma. Culminates with the LEAP 2025 assessment.** (*Prerequisite: Algebra I*)

Geometry Pre-AP - 1 credit

In addition to emphasizing the same mathematical concepts as Geometry, this course promotes a higher level of mathematical understanding, with technology and other resources used as tools to explore and apply geometric concepts. Complex proofs and other advanced geometric topics are included. With the expectation that students will take Calculus, structure and questioning in this course guides and supports students on this path. **Will substitute for Geometry and culminates with the LEAP 2025 assessment.** (*Prerequisites: Algebra I*)

Algebra II - 1 credit

This course expands algebraic concepts introduced in Algebra I and Geometry. Primary emphasis will be placed on the study of linear, quadratic, polynomial, rational, radical, exponential, logarithmic, and trigonometric functions with applications. Other topics include systems of linear and nonlinear equations and inequalities; polynomials; inverse functions; rational exponents; radical expressions; complex numbers; and data analysis. **Required for TOPS University diploma and elective math credit for Jump Start.** (*Prerequisites: Algebra and Geometry, recommended C or above in each*)

Algebra II Pre-AP - 1 credit

In addition to emphasizing the topics in Algebra II, this course promotes a higher level of mathematical understanding, with technology and other resources used as tools to explore and apply algebraic concepts. **Can substitute for Algebra II.** (Prerequisites: Algebra I and Geometry)

Financial Literacy - 1 credit

This course is designed to focus on mathematical concepts and applications needed for the design and management of personal finances. Financial literacy serves as a foundation for ALL students to learn to make mathematically sound decisions in their roles as consumers, employees, and/or entrepreneurs. This course extends students' knowledge of whole numbers, fractions, decimals, and percents as well as basic statistics and probability, algebra, geometry, and data analysis in the context of relevant real life problem-solving situations. Emphasis is placed on various mathematical processes that include manual or electronic calculations of payroll, income tax preparations, interest computation, consumer information, managing income, buying insurance, selling and buying, making sound credit and investment decision and other items that may be related to personal and business transactions. Mathematical and communication skills are reinforced in this course as well as critical thinking skills through applications of math in personal finance. **Elective math credit for Jump Start diploma or elective for TOPS University.** (Prerequisite: None)

Business Math - 1 credit

Business Mathematics is a course of which students learn to use mathematics effectively as a tool in their business life. After students have completed this course, they will be able to apply mathematical concepts in various business situations. Students will review and apply concepts previously learned in Financial Literacy and extend that knowledge through investigations making business decisions and managing business finances in sales, marketing, accounting, and financial management. They will use common mathematical formulas to solve a variety of personal and business mathematics as well as apply knowledge of computer and calculator use. **Elective math credit for Jump Start diploma or elective for TOPS University.** (Prerequisite: Financial Literacy)

Probability and Statistics - 1 credit

Probability and Statistics is the study of how to collect, organize, analyze, and interpret statistical data. Academic instruction includes descriptive and inferential statistics, elementary probability theory, discrete and continuous probability distributions, random sampling and sampling distributions, point and interval estimation, hypothesis testing and significance testing and linear regression and correlation. **Elective math credit for both Jump Start or TOPS diploma.** (Prerequisite: Algebra II)

Statistical Reasoning - 1 credit

This course explores mathematical models built on the basis of very limited amounts of data, as well as models that are based on selecting unbiased samples from a vast amount of data. Daily activities based on applications will encourage discussion and project-based learning. Students will be expected to actively do statistics: analyzing data, creating graphical representations of data, constructing and testing inferences, solving statistics problems, reflecting on their work, and presenting their findings. The content and pedagogy of this course are guided by the Probability and Statistics domain for middle and high school of the Louisiana Student Standards for Mathematics and the Standards for Mathematical Practice. This course will prepare students for success in future math courses, provide skills for the workplace and college and for participation as well-informed and productive citizens in our society. **Elective math credit for both Jump Start or TOPS diploma.**

Advanced Math – Pre-Calculus - 1 credit

This course is designed for students who are preparing for a rigorous course in calculus and/or college algebra and trigonometry. Topics include trigonometric/circular functions, graphs/inverses of trigonometric functions, trigonometric identities/equations, vectors; nature of graphs; polynomial and rational functions. Families of functions are examined from algebraic, numeric, graphic, and verbal perspectives. Graphing calculators are used to reinforce the connection between the four perspectives and to solve problems through visual representations. **Elective math credit for TOPS University.** (Prerequisite: Algebra II, recommended grade of B or above.)

Algebra III - 1 credit

To further advance a student's study of mathematics, Algebra III is designed for college-bound students who have successfully completed Algebra II. The course includes routine problems requiring advanced algebra and nonroutine problems that require students to demonstrate understanding of concepts. Specific knowledge on linear and quadratic equations; inequalities and graphs; algebraic, exponential and logarithmic functions; and other miscellaneous topics are investigated. Students may have the opportunity to take a CLEP test at the end of this course if certain grade and performance criteria are met throughout the semester. **Elective math credit for TOPS University.** (Prerequisite: Algebra II and/or qualifying ACT math score)

+College Algebra – Dual Credit - 1 credit (3 hours college credit)

This is a Dual Enrollment course paired with Algebra III. Topics include in-depth treatment of solving equations and inequalities; function properties and graphs; inverse functions; linear, quadratic, polynomial, rational, exponential and logarithmic functions with applications; systems of equations. **Elective math credit for TOPS University. This course may have a Dual Enrollment fee assessed by the post-secondary institution that will be paid by student/parents. Qualified students may take this course for secondary credit only without paying the Dual Enrollment fee.** (Prerequisite: Algebra II; meets Dual Enrollment and/or ACT requirements)

+College Advanced Math – Dual Credit - 1 credit (3 hours college credit)

This is a Dual Enrollment course paired with Advanced Math Pre-Calculus. Topics include trigonometric functions and graphs; inverse trig functions; fundamental identities and angle formulas; solving equations; triangles with applications; Additional topics addressed are vectors;

function properties and graphs; inverse functions; polynomial and rational functions. (*Prerequisite: Algebra II, recommended grade C or better; meets Dual Enrollment and/or ACT requirements*) **This course may have a Dual Enrollment fee assessed by the post-secondary institution that will be paid by student/parents. Qualified students may take this course for secondary credit only without paying the Dual Enrollment fee.**

+Calculus - 1 credit

This course is designed for students who are preparing for a rigorous course in calculus and/or college algebra and trigonometry, and it extends concepts beyond Advanced Math Pre-Calculus. Topics include systems of equations/inequalities, polar coordinates, conics, series/sequences, statistics and data analysis, and an introduction to limits and the derivative. Thinking, talking, and writing about mathematics are emphasized. **Elective math credit for TOPS University.** (*Prerequisite: Advanced Math Pre-Calculus*)

+College Calculus - Dual Credit - 1 credit (3 hours college credit)

This is a Dual Enrollment course with topics set by the partnering university to include systems of equations/inequalities, polar coordinates, conics, series/sequences, statistics and data analysis, and an introduction to limits and the derivative. Thinking, talking, and writing about mathematics is emphasized. **Elective math credit for TOPS University.** (*Prerequisite: Advanced Math Pre-Calculus*)

+AP Calculus AB -1 credit

AP Calculus AB is a college-level course that follows the curriculum from the College Board. Topics include analytic geometry; properties of functions and their graphs; limits; continuity; derivatives; and definite and indefinite integrals. Applications of the derivative and definite integral include curve-sketching, area under a curve, volume of solids of revolution, optimization problems, growth and decay problems, and other real-life applications. **Elective math credit for TOPS University and culminates with the AP Calculus Exam.** (*Prerequisites: It is highly recommended that students take both Advanced Math-PreCalculus and Calculus Honors prior to taking Calculus AB. Students enrolled in an AP course are required to take the AP Exam at a cost set by the district to cover the test application fee.*)

+AP Calculus BC - 1 credit

AP Calculus BC is a college-level course that follows the curriculum from the College Board. Topics include advanced integration techniques, the calculus of sequences and series, parametric equations, polar equations, slope fields, and vectors. This course is designed for self-motivated, self-disciplined students who are interested in taking the advanced placement test for college credit. **Elective math credit for TOPS University and culminates with the AP Calculus Exam.** (*Prerequisites: Prior or concurrent enrollment in AP Calculus AB. Students enrolled in an AP course are required to take the AP Exam at a cost set by the district to cover the test application fee.*)

+AP Statistics - 1 credit

The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes: 1) Exploring Data: Describing patterns and departures from patterns; 2) Sampling and Experimentation: Planning and conducting a study; 3) Anticipating Patterns: Exploring random phenomena using probability and simulation; and 4) Statistical Inference: Estimating population parameters and testing hypotheses. **Elective math credit for TOPS University and culminates with the AP Calculus Exam.** (*Prerequisites: Algebra II. Students enrolled in an AP course are required to take the AP Exam at a cost set by the parish to cover the test application fee.*)

AP Computer Science Principles - 1 credit

Computer Science emphasizes object-oriented programming methodology with an emphasis on problem-solving and algorithm development. Topics covered include: object-oriented program design, program implementation, program analysis, standard data structures, standard algorithms, abstraction, and computing in context. **Elective credit and culminates with the AP Computer Science Principles Exam.** (*Students enrolled in an AP course are required to take the AP Exam at a cost set by the parish to cover the test application fee.*)

Applied Mathematics

To be eligible for these courses a student must have been evaluated and met criteria according to the *Pupil Appraisal Handbook*.

Applied Mathematics I

Applied Mathematics II

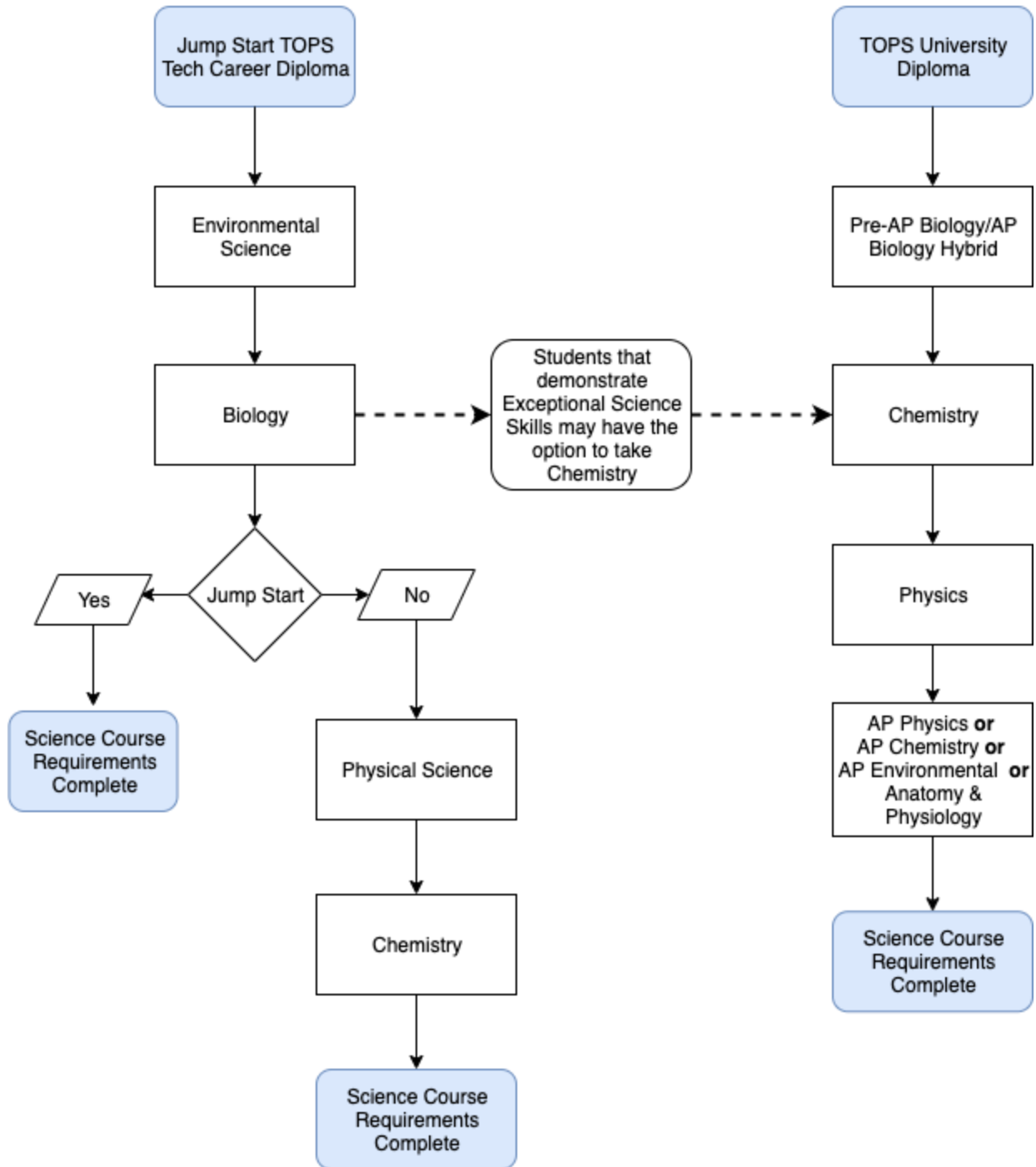
Applied Mathematics III

Applied Mathematics IV

Applied Mathematics Instruction in core mathematics content as defined by ESEA for students participating in LEAP Alternate Assessment.

Instruction may be integrated with other core content areas. A variety of high- and low-tech individual adaptations and modifications may be utilized in order for students to access the content area. Adaptations may be multi-sensory and multimodality in nature.

Science Pathways 2020 - 2021



SCIENCE

Biology - 1 credit

Biology is the study of living organisms and the functions of their systems, with an emphasis on the interactions of those systems with the environment. Other themes included are genetics, evolution, reproduction, and taxonomy. The scientific process is stressed. **Biology is required for both Jump Start and TOPS University diplomas. (can substitute with Biology Pre AP). Culminates with the Biology LEAP 2025 exam.**
(Prerequisite: None)

Biology Pre AP - 1 credit

This course combines the topics in Biology with a more in-depth approach to key concepts. A science fair project is required. Special projects, guest speakers, field trips, and competitive academic events are encouraged. **Biology is required for both Jump Start and TOPS University diplomas. Culminates with the Biology LEAP 2025 exam. Course eligible for the Expanded Grading Scale.**

+AP Biology

AP Biology is a college-level course that follows The College Board curriculum. It focuses on the development of a conceptual framework for modern biology and an appreciation of science as a process. Topics include cell biology, biochemistry, biological diversity, plant and animal diversity, plant and animal physiology, metabolism and respiration, response of organisms to the environment, and behavior. Maximum class enrollment is 28 students due to national fire safety regulations. (Prerequisites: Algebra I, Biology, Chemistry or currently enrolled)

+Biology II - 1 credit

This course is designed for students who have an adequate background in biology but want to know more. Topics include cellular biology, biochemistry, biotechnology, genetics, microbiology, evolution, behavior and ecology, and anatomy and physiology. It emphasizes laboratory-centered activities, research and advanced laboratory techniques. A science fair project is required. Maximum class enrollment is 28 students due to national fire safety regulations. **Course is eligible for the Expanded Grading Scale. TOPS Core eligible course.** (Prerequisites: Algebra I, Biology, Chemistry or currently enrolled)

+Human Anatomy and Physiology, - 1 credit

This course emphasizes the principles of human anatomy and physiology, including the structure and function of the organ systems of the human body. It begins with a study of cell structure and physiology and the microscopic structure of tissues. **Course eligible for the Expanded Grading Scale.** (Prerequisite: Biology)

+College Biology I/Lab – Dual Enrollment – 1 credit (4 hours college credit)

This is the first course in a two-part introduction to basic biological principles for the science major. Topics include ecosystems, evolution, systematics, and basic physiology. (Prerequisites: Algebra I, Biology, Chemistry or currently enrolled, on track for TOPS, 11th or 12th grader, see Dual Enrollment Requirements) **Course eligible for the Expanded Grading Scale. TOPS Core and Jump Start TOPS Tech eligible course. This course may have a Dual Enrollment fee assessed by the post-secondary institution that will be paid by the student/parents. Qualified students may take this course for secondary credit only without paying the Dual Enrollment fee.**

Chemistry - 1 credit

Chemistry is the mathematics-based study of matter, chemical composition and structure, and the changes they undergo. Laboratory experimentation complements classroom instruction. Maximum class enrollment is 28 students due to national fire safety regulations. **Chemistry is required for TOPS University diploma. Jump Start TOPS Tech eligible course.** (Prerequisite: Algebra II or currently enrolled)

+Chemistry Pre AP - 1 credit

In addition to the topics in Chemistry, this course emphasizes the causes and effects of chemical processes and their analytical relationships. Students are required to complete a science fair project. Maximum class enrollment is 28 students due to national fire safety regulations. **Chemistry is required for TOPS University diploma. Jump Start TOPS Tech eligible course. Course eligible for the Expanded Grading Scale.** (Prerequisites: Algebra II or currently enrolled)

+Chemistry II - 1 credit

Chemistry II includes an in-depth study of Chemistry designed to broaden students' knowledge. Topics include reaction rates, thermodynamics, equilibrium, and electrochemistry, with an emphasis on contemporary applications of biochemistry, industrial processes, and environmental areas. Laboratory experiences, demonstrations, and problem solving are integral parts of the course. A science fair project is required. Maximum class enrollment is 28 students due to national fire safety regulations. **TOPS Core eligible course. Course eligible for the Expanded Grading Scale.** (Prerequisites: Algebra II, Chemistry)

AP Chemistry-1 credit

This course is designed to be the equivalent of the general chemistry course usually taken during the first college year. For some students, this course enables them to undertake, as freshmen, second-year work in the chemistry sequence at their institution or to register for courses in other fields where general chemistry is a prerequisite. For other students, the AP Chemistry course fulfills the laboratory science requirement and frees time for other courses. **TOPS Core and Jump Start TOPS Tech eligible course. Course eligible for the Expanded Grading Scale.**

+College Chemistry – Dual Credit – 1 credit (4 hours college credit)

A fundamental course in inorganic chemistry including atomic structure, chemical bonding, stoichiometry, chemical reactions, thermochemistry, electronic configurations, molecular geometry, molecular orbitals, and gases. (*Prerequisite: Chemistry, on track for TOPS, 11th or 12th grader, see Dual Enrollment requirements*) **TOPS Core and Jump Start TOPS Tech eligible course. This course may have a Dual Enrollment fee assessed by the post-secondary institution that will be paid by student/parents. Qualified students may take this course for secondary credit only without paying the Dual Enrollment fee.**

Earth Science – 1 credit

Earth Science is a study of the earth with an emphasis on types of rocks and minerals and the processes that form them: weathering erosion processes, earthquakes, volcanoes, and mountain-building processes. It also includes an examination of the influence of plate movements on the physical history of the earth. **TOPS Core and Jump Start TOPS Tech eligible course. (Prerequisite: None)**

Environmental Science – 1 credit

Environmental Science is the study of how humans affect the environment and how it affects us. It involves not just individuals, but communities, businesses, and governments—often with competing interests. This course focuses on the atmosphere, lithosphere, and hydrosphere and how changes in these areas might impact living organisms in the environment. It introduces the study of ecology as it focuses upon major ecosystem types and the interrelationships among and between populations and their abiotic environment. It also emphasizes the use and conservation of natural resources, concepts of renewable and non-renewable energy resources, as well as Louisiana's natural resources. Environmental awareness, water and air quality, hazardous waste, risk management, and environmental protection policy are also considered. **TOPS Core and Jump Start TOPS Tech eligible course. (Prerequisite: None)**

+AP Environmental Science- 1 credit

Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study. Yet there are several major unifying constructs, or themes, that cut across the many topics included in the study of environmental science. The following themes provide a foundation for the structure of the AP Environmental Science course: Science is a process; Energy conversions underlie all ecological processes; The Earth itself is one interconnected system; Humans alter natural systems; Environmental problems have a cultural and social context; and Human survival depends on developing practices that will achieve sustainable systems. **TOPS Core and Jumpstart TOPS Tech eligible course. Course eligible for the Expanded Grading Scale.**

Physical Science - 1 credit

Physical Science is the study of the properties of matter, mechanics, heat, sound, light, electricity, and magnetism. Scientific process skills are emphasized through hands-on experiences. **TOPS Core and Jump Start TOPS Tech eligible course. (Prerequisite: None)**

Physical Science Pre-AP - 1 credit

In addition to emphasizing topics in Physical Science, this course includes a more in-depth approach to key concepts. Special projects, guest speakers, field trips, and competitive academic events are encouraged. A science fair project is required. **TOPS Core and Jumpstart TOPS Tech eligible course. Course eligible for the Expanded Grading Scale. (Prerequisite: Algebra I or currently enrolled)**

Physics – 1 credit

This course emphasizes graphical and algebraic solutions to real-life problems. Topics include mechanics, properties of matter, heat, sound, light, electricity, and magnetism. Laboratory experiences enhance the understanding of concepts. **TOPS Core and Jump Start TOPS Tech eligible course. (Prerequisite: Currently enrolled in Chemistry)**

+Physics Pre-AP - 1 credit

This course emphasizes graphical, algebraic and trigonometric solutions to real-life problems. Topics include mechanics interactions of matter and energy, heat, sound, light, electricity, magnetism, and nuclear physics. Laboratory experiences enhance the understanding of concepts. A science fair project is required. Maximum class enrollment is 28 students due to national fire safety regulations. **TOPS Core and Jumpstart TOPS Tech eligible course. Course eligible for the Expanded Grading Scale. (Prerequisites: Honors criteria, Advanced Math I or currently enrolled, Chemistry)**

+AP Physics I – 1 credit

AP Physics 1 is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. This course requires that 25% of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices. **Credit for both AP Physics I and AP Physics II must be earned to qualify for the 2 units for TOPS. TOPS Core and Jump Start TOPS Tech eligible course. Course eligible for the Expanded Grading Scale. (Prerequisites: Geometry, Algebra II or equivalent course. Students enrolled in an AP course are required to take the AP Exam at a cost set by the parish to cover the test application fee.)**

+AP Physics II - 1 credit

AP Physics 2 is an algebra-based, introductory college-level physics course that explores topics such as fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. This course requires that 25% of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices. **Credit for both AP Physics I and AP Physics II must be earned to qualify for the 2 units for TOPS. TOPS Core and Jump Start TOPS Tech eligible course. Course eligible for the Expanded Grading Scale.** *Prerequisites: AP Physics 1 or comparable course. Students should have taken or be concurrently taking pre-calculus or an equivalent course. Students enrolled in an AP course are required to take the AP Exam at a cost set by the parish to cover the test application fee.)*

+Science and Medicine: Academic Research Training (SMART) - 2 credits

The SMART program is designed for advanced students who are interested in careers in medicine, research or biomedical engineering. They participate in intensive research projects led by physicians and staff at LSUHSC and NW Louisiana Biomedical Research Foundation. **Course eligible for the Expanded Grading Scale.** *(Prerequisites: Application, minimum ACT score of 28, A or B in science courses, Chemistry, Physics or currently enrolled)*

Forensic Science - 1 credit Students in Forensic Science will use scientific analysis to resolve legal disputes. From analysis of forged documents or fingerprints to DNA profiling, this course is cutting edge. Serological assays, DNA analysis, and other molecular biology techniques will be emphasized. The extensive laboratory component will build on and complement biotechnology skills and techniques introduced in Survey of Biotechnology. This course is taught fall term only. **Course eligible for the Expanded Grading Scale.** *(Prerequisite: Biology, Co-requisite: Chemistry)*

Applied Science

To be eligible for these courses a student must have been evaluated and met criteria according to the *Pupil Appraisal Handbook*.

Applied Science I

Applied Science II

Applied Science III

Applied Science IV

Applied Science Instruction in core Science content as defined by ESEA for students participating in LEAP Alternate Assessment. Instruction may be integrated with other core content areas. A variety of high- and low-tech individual adaptations and modifications may be utilized in order for students to access the content area. Adaptations may be multi-sensory and multimodality in nature.

CYBER STUDIES

Cyber Studies (Independent Study in Technology Applications) –1 credit

This course offers students a dynamic, project-based curriculum that leverages the power of technology (a Parallax Boe-Bot) to explore science, technology, engineering and math concepts. In addition, the course incorporates 21st Century Skills – problem solving, analytical thinking, creativity, communication, and innovation – that will prepare students to think broadly as they solve specific challenges. This “Cyber Science” course serves as a “foundational” course to future studies in Computer Science, Cyber Security, Digital Forensics, and Animation & Visual Effects.

Cyber Literacy

Cyber Literacy is a hands-on curriculum that builds a strong cyber foundation for high school students. The course introduces students to cyber by blending robotics, programming, electricity, and elements of liberal arts. Students learn about the opportunities, threats, responsibilities, and legal constraints associated with operating in cyberspace. Throughout the course, students learn the basics of electricity, programming, and networking as well as develop critical thinking skills. Cyber Literacy lays a foundation for further exploration into STEM and cyber-related topics.

Cyber Literacy II

Cyber Literacy II is a project-driven curriculum that expands a student’s understanding of cyberspace through two primary topics: systems engineering and liberal arts. The Cyber Literacy 2 course builds upon fundamental cyber skills developed in Cyber Literacy and challenges students to go deeper into the world of cyberspace. Students will utilize a microcontroller to construct complex systems that bring together a variety of components on each build and also will realize the significant real-world connections as they discuss the liberal arts/ humanities crossovers that exist with today’s technologies. Many aspects of science, engineering, technology, and mathematics are discussed throughout each of the projects. Similarly, students are challenged to create flow-charts with each build as well as tossing out the wiring diagram in favor of reading schematics.

Cyber Science

Cyber Science is an innovative, project-driven course that integrates science, technology, engineering, and mathematics (STEM) disciplines with liberal arts. Cyber Science uses the Parallax® Boe-Bot® robot as a platform for teaching important cyber concepts and fundamentals. Throughout the course, students are engaged in a systems-level approach to problem-solving using robotics and computer science in the context of liberal arts. Seamlessly integrating the different disciplines provides students with a dynamic learning environment and a unique educational experience. Through Cyber Science, students are not only able to make meaningful connections between STEM and liberal arts, they also learn how to become better cyber citizens. The lessons in the course are divided into five main units: Programming Basics, Foundations of Computer Science, Networking and Security, Artificial Intelligence, and Ethics and Societal Issues. A major strength of the course is that unit components are purposefully interwoven together and provide the students with a holistic view of cyber.

Cyber Society

Technology is advancing rapidly and connecting us in ways never before imagined. The modules in Cyber Society are designed to enable teachers to use liberal arts concepts and ideas as an approach to increase cyber awareness among high school students. This course helps contribute to the initiative of developing a better, more educated cyber workforce. The lessons within each easily customizable module improve students’ critical thinking and critical reading skills as they pull information from articles and other sources. Students also practice their presentation skills as they participate in debates and group presentations. The modules include a wide variety of topics such as law, ethics, terrorism, communications, and business as they pertain to cyberspace.

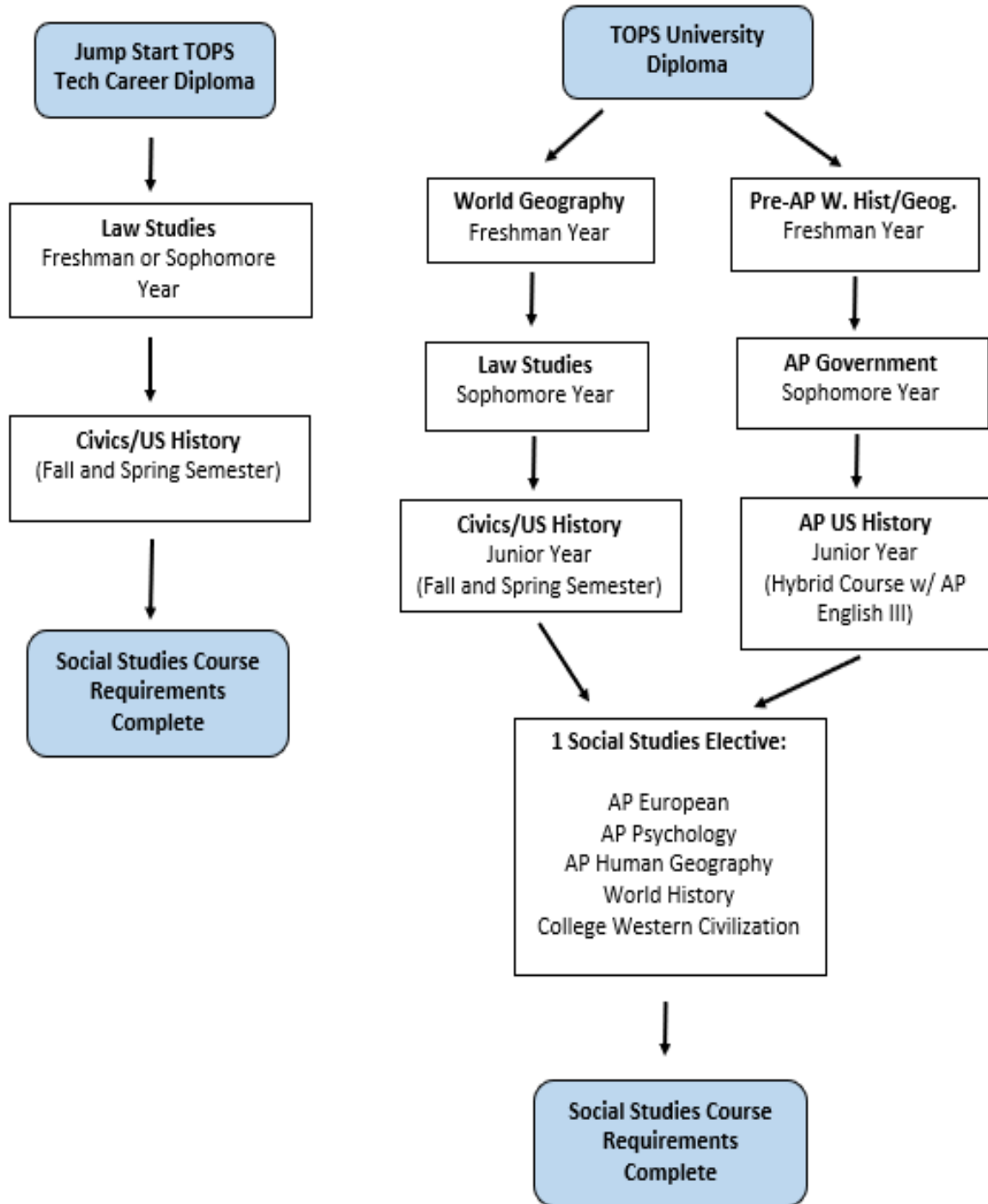
A+ Certification Prep

A+ Certification Prep course prepares students for the CompTIA A+ certification exam, which provides IT professionals with an internationally recognized IT credential. The course covers the most common hardware and software technologies and prepares students to support complex IT infrastructures. A+ Certification Prep is designed to be a full-year course where students take the Core 1 (220-1001) and Core 2 (220-1002) exams at the completion of the course/school year. The course supplies hands-on activities and guided research for the students to go along with recommended textbooks that are designed for the exams.

Cybersecurity Fundamentals

Cybersecurity Fundamentals is a high-school level course that uses the US Cyber Range to teach the basics of protecting internet-connected systems from passive vulnerabilities as well as cyber-attacks. In the US Cyber Range, students are able to simulate cybersecurity scenarios in a safe virtual learning environment.

Social Studies Pathways
2020-2021



SOCIAL STUDIES

United States History - 1 credit

U.S. History covers key people and events in U.S. history from the end of Reconstruction through the present. Major topics of consideration include U.S. political and economic development, significant national and international conflicts, and influential social movements. Students will be responsible for readings, participation, projects, and assessments. Among the skills taught in this course include primary as well as secondary source analysis. Students will also analyze events within historical content and examine information contained in graphic materials such as maps, graphs, charts, photographs, and cartoons. **U.S. History is required for both Jump Start and TOPS University diplomas (can substitute with AP U.S. History or College U.S. History). Culminates with the U.S. History LEAP 2025 Exam. (Prerequisite: None)**

+AP United States History – 1 credit

AP United States History is a college-level course which follows the College Board curriculum. The course is designed to provide students with the analytical skills and enduring understandings necessary to deal critically with the problems and materials in United States history. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students learn to assess historical materials and to weigh the evidence and interpretations presented in those materials. Students enrolled in this course are expected to develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in an essay format. This course will involve a serious commitment on the part of the student to complete outside readings and assignments covering the period of United States History from discovery to the present. **Additionally, this course culminates with the U.S. History LEAP 2025 Exam. (Prerequisites: A or B in English II Honors, teacher recommendation, & Honors Criteria, AP criteria—A or B in related course(s), teacher recommendation, and cumulative GPA of 3.0 or better. Students enrolled in an AP course are required to take the AP Exam at a cost set by the parish to cover the Test Application Fee)**

College United States History - 1 credit

College U.S. History surveys the development of U.S. History from Reconstruction through the present time. The Settlement of the West, Industrialization and Immigration, Progressive Era, Roaring 20's and the Great Depression, WWI and WWII, the Korean Conflict and Vietnam, and the Civil Rights Movement highlight this course. The course culminates with the turmoil of the 1960s as well as the remaining decades until the present time. **Meets requirements for TOPS University diploma and Jump Start. Additionally, this course culminates with the U.S. History LEAP 2025 Exam. (Prerequisite: 18 or higher on the ACT.)**

Civics – 1 credits

Civics emphasizes the responsibilities of a citizen in a democratic society and the basic attitudes and understanding necessary for citizenship. Topics include the Constitution, the three levels of government, current events, politics, elections, the judicial system, and state and local government. **Civics is required for both Jump Start and TOPS University diplomas. (Prerequisite: None)**

+AP U.S. Government and Politics – 1 credit

The AP Government & Politics: United States course provides an analytical perspective on government and politics in the United States. This course involves both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. political reality. While there is no single approach that an AP Government & Politics: United States course must follow, certain topics are generally covered in college courses. (Prerequisites: AP criteria—A or B in related course(s), teacher recommendation, and cumulative GPA of 3.0 or better. Students enrolled in an AP course are required to take the AP Exam at a cost determined by the parish to cover the Test Application Fee)

Law Studies-1 credit

Law Studies is the study of U.S. laws that is practical and relevant to student's lives. It is designed to empower young people to be active, engaged citizens. This course is a universal Jump Start course. (Prerequisite: none)

Psychology – 1 credit (can be ½ credit)

Psychology is a study of basic fundamentals and principles associated with human behaviors. **Meets requirements for TOPS University diploma. (Prerequisite: None)**

AP Psychology – 1 credit

AP Psychology is a college-level course which follows The College Board curriculum. It is designed to introduce students to the systematic and scientific study of human behavior and mental processes. Students are exposed to psychological facts, principals, and phenomena associated with each major subfield within psychology. They also learn about ethics and methods used by psychologists in their science and practice.

Meets requirements for TOPS University diploma. (Prerequisite: 11th or 12th grade, Honors criteria, AP criteria—A or B in related course(s), teacher recommendation, and cumulative GPA of 3.0 or better. Students enrolled in an AP course are required to take the AP Exam at a cost determined by the parish to cover the Test Application Fee)

Sociology – ½ or 1 credit

Sociology is a study of basic fundamentals and principles associated with group behaviors: family, church, school, community, and occupation. It emphasizes the ideas, attitudes, agreements, communication, conflicts, and cooperation that occur within a society. (Prerequisite: None)

World Geography - 1 credit

Every Bossier Parish student must earn 1 credit in World Geography unless he/she transfers to a Bossier Parish school from outside the parish with 1 credit in World History. World Geography is the study of the world's peoples, places, and environments, with a focus on world regions.

Particular emphasis is placed on students' understanding and applying geographic concepts and skills to their daily lives. Course also includes the study of the relationships between the earth's people and their physical environments, application of map skills, and the physical and cultural features of the different world regions. **Meets requirements for TOPS University diploma.** (Prerequisite: None)

Pre-AP Geography and World History - 1 credit

Pre-AP Geography and World History explores the relationship between geography and world history. Students will learn to be geographers and historians, evaluating the geological factors that influence patterns of human settlement and societies around the globe. With an emphasis on material culture, this course will help students develop an understanding of how natural resources affected the relationship between various peoples throughout history. This course also prepares students for future work in Advanced Placement social studies. Meets requirements for TOPS University diploma (Prerequisite: None)

+AP Human Geography – 1 credit

AP Human Geography is a rigorous Advanced Placement course that focuses on theoretical and practical applications in the field of geographic inquiry. It provides students with the opportunity for hands-on, in-depth study of human geography through classroom discussion, cooperative activities, technology activities, cartography, readings, lab work, and outside research and fieldwork. **Meets requirements for TOPS University diploma.** (Prerequisites: Pre-AP Geography and World History.)

World History - 1 credit

World History includes people, events, and institutions throughout the world and integrates all social studies disciplines within the framework of universal human values. It provides a balanced, broad view of the people and events of the past with an emphasis on the eras since the 1500s. Students will also analyze events within historical content and examine information contained in graphic materials such as maps, graphs, charts, photographs, and cartoons. **Meets requirements for TOPS University diploma.** (Prerequisite: None)

+AP European History – 1 credit

The study of European history since 1450 introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. Without this knowledge, we would lack the context for understanding the development of contemporary institutions, the role of continuity and change in present-day society and politics, and the evolution of current forms of artistic expression and intellectual discourse. In addition to providing a basic narrative of events and movements, the goals of the AP program in European History are to develop (a) an understanding of some of the principal themes in modern European History, (b) an ability to analyze historical evidence and historical interpretation, and (c) an ability to express historical understanding in writing. (AP criteria—A or B in related course(s), teacher recommendation, and cumulative GPA of 3.0 or better. Students enrolled in an AP course are required to take the AP Exam at a cost determined by the parish to cover the Test Application Fee) **Meets requirements for TOPS University diploma.**

+College Western Civilization - 1 credit

This course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with historical evidence. Topics include some of the principal themes in European history, political and diplomatic history, intellectual and cultural history, social and economic history. **Meets requirements for TOPS University diploma.** (Prerequisites: 11th or 12th grade)

Applied Social Studies

To be eligible for these courses a student must have been evaluated and met criteria according to the *Pupil Appraisal Handbook*.

Applied Social Studies I

Applied Social Studies II

Applied Social Studies III

Applied Social Studies IV

Applied Social Studies Instruction in core social studies content as defined by ESEA for students participating in LEAP Alternate Assessment.

Instruction may be integrated with other core content areas. A variety of high- and low-tech individual adaptations and modifications may be utilized in order for students to access the content area. Adaptations may be multi-sensory and multimodality in nature.

AIR FORCE JUNIOR ROTC COURSE DESCRIPTIONS

Note: All elective AFJROTC courses consist of an Aerospace Science (AS) course (40% of class time), a Leadership Education (LE) course (40%) and the Wellness program (20%). Core credit classes will emphasize the source course material 60% of time, with 40% devoted to the other component (AS or LE).

Note: Bossier Parish AFJROTC units have the prerogative to adjust LE training to meet the needs of the student. In such circumstances, the LE portion of the AS courses will be designed to match the student's previous JROTC LE training to ensure appropriate progression.

With the exception of Health, Civics, and World Geography, a maximum of (4) four credits of AFJROTC may be used to satisfy graduation requirements. One, Two, Three, and four-hundred level AFJROTC courses may be used to satisfy P.E. graduation requirements.

AEROSPACE SCIENCE

AFJROTC – Health-1/2 credit

This course emphasizes knowledge, skills, and understanding that enable students to develop healthy lifestyles as they move from adolescence to adulthood. Wellness and Fitness from the Leadership Education material is used as the basis for this course. School textbooks and internet resources are also used to supplement the objectives of this course.

AFJROTC Civics – 1 civics credit

This course focuses on the foundations of government and elements of good citizenship. It describes the organization and operation of government on the local, state, and national levels. Students will be exposed to the major ideas, protections, privileges, structures, and economic systems that affect the life of a citizen in the United States. Students will learn rights and responsibilities of citizens at all levels of government. Aerospace Science describes the US Air Force's role in shaping United States foreign policy.

AFJROTC Leadership Laboratory – ½ credit

This summer course prepares students to develop skills that will enable cadets to assume leadership positions in AFJROTC. This is an 8-day summer camp conducted on-campus by parish AFJROTC instructors. The course combines aerospace science and leadership instruction with an emphasis on group dynamics. The wellness component aids cadets in developing a healthy lifestyle through physical activity and proper nutrition. (Prerequisite: 1 year in AFJROTC, Top 10 % of AFJROTC class, no physical restrictions to preclude complete participation in all aspects of the program, and recommendation of the Senior Aerospace Science Instructor)

AFJROTC – Career Readiness- ½ credit

Note: Approved Universal Jump Start Course, cross walks to Education for Careers. This character development course emphasizes the transition into high school and later life. The primary focus is on the development of character values and behaviors that help students become responsible and productive members of society. The foundations of citizenship, military organizations, and our National Government structure are also examined in this course.

AFJROTC 100 - Aviation History/Leadership Education- 1 credit

This history course focuses on the development of flight throughout the centuries. It starts with ancient civilizations, then progresses through time to modern day. The emphasis is on civilian and military contributions to aviation. The Leadership Education portion introduces cadets to AFJROTC, providing a basis for progression through the rest of the program while instilling elements of good citizenship. The physical training portion of the course provides cadets a wellness minded program offering substantial individual health improvements **Note:** Schools have the option to divide this course into a Part A and Part B for ½ credit each as long as it is paired with AFJROTC Health and/or AFJROTC Student Responsibilities.

AFJROTC 220 - Global and Cultural Studies - 1 credit

(Course # changed from 200 to 220 to match AF Course number) This course delves into history, geography, religions, languages, culture, political systems, economics, social issues, environmental concerns and human rights. It looks at major events and significant events that have shaped each region. Leadership Education stresses communications/personal awareness skills and how to apply them to cadet corps activities. The PT portion of the course provides cadets a wellness minded program offering substantial individual health improvements.

AFJROTC 200 – Science of Flight - 1 credit

(Course # changed from 210 to 200 to match AF Course Number) This second year course that focuses on how airplanes fly, how weather conditions affect flight, flight and the human body, and flight navigation. The course is designed to complement materials taught in math, physics, and other science-related courses. The Leadership Education portion is designed to develop citizens of character by developing and understanding group and team dynamics and preparing one's self for leadership roles. The PT portion of the course provides cadets a wellness minded program offering substantial individual health improvements.

FJROTC 200C: The Science of Flight and Cyber Security 1 credit

This is an introductory Aerospace Science course focused on both basic aviation science and cyber security principals. The aviation section (18 hrs) is dedicated on how airplanes fly, how weather conditions affect flight, influences of the aerospace environment on the human body, and flight navigation while the cyber security section (18 hrs) is focused on studying and completing at least two JUMPSTART pathway certificate

requirements in computer science. The Leadership Education portion is designed to develop citizens of character by developing and understanding group and team dynamics and preparing one's self for leadership roles. The PT portion of the course provides cadets a wellness minded program offering substantial individual health improvements. Pre-requisites: AS 100

AFJROTC 300 - Exploring Space Part 1 - 1 credit

Note: Students who meet Dual Enrollment qualifications may receive 3 credit hours of College Finance. **Note:** Approved Universal Jump Start Course. The course begins with the study of the space environment from the earliest days of interest in astronomy and early ideas of the heavens, through the Renaissance, and on into modern astronomy. It provides an in-depth study of the Earth, Sun, stars, Moon, and solar system, including the terrestrial and outer planets. It discusses issues critical to travel in the upper atmosphere such as orbits and trajectories unmanned satellites, and space probes. Leadership Education provides information on how to begin the job search. Additionally, information about financial planning, how to save, invest, and spend money wisely, as well as how not to get caught in the credit trap are discussed. The PT portion of the course provides cadets a wellness minded program offering substantial individual health improvements.

AFJROTC 300A Exploring Space Part II-1 credit

Note: Students who meet Dual Enrollment qualifications may receive 3 credit hours of College Success Skills. **Note:** Approved Universal Jump Start Course; these students may substitute as Education for Careers. This course continues by investigating the importance of entering space. It discusses manned and unmanned space flights while focusing on concepts surrounding spaceflight, vehicles, launch systems, and missions in space. The section on manned spaceflight focuses on the Space Shuttle, space stations and beyond, covering milestones in the endeavor to land on the Moon and to safely orbit humans and crafts. The course covers the human aspect of spaceflight, and examines the latest advances in space technology. Leadership Education provides information on how to apply for college or a technical school. The job search process, resume writing, interviewing techniques and career paths are examined as well. The PT portion of the course provides cadets a wellness minded program offering substantial individual health improvements **Note:** Schools have the option to combine portions of AFJROTC 300 and 300A into one course for 1 credit, Universal Jumpstart course.

AFJROTC 400 (Part 1) – Management of the Corps - 1 credit

Note: Approved Universal Jump Start Course. Cadets in this course manage the corps by serving in leadership positions. The academic hands-on experience portion affords cadets the opportunity to put the theories of previous leadership courses into practice. Planning, organizing, coordinating, directing, controlling, and decision-making will be done by the cadets. The LE course provides exposure to the fundamentals of management. The text contains many leadership topics and skills needed to help cadets practice what they have learned during their time in AFJROTC. The PT portion of the course provides cadets a wellness minded program offering substantial individual health improvements. (Prerequisite: Senior Aerospace Science Instructor approval)

AFJROTC 400A (Part 2) – Management of the Corps - 1 credit

Note: Students who meet Dual Enrollment qualifications may receive 3 credit hours of College Principles of Management. **Note:** Approved Universal Jump Start Course; however, only one 400 Level ROTC course may be used for Jump Start credit. This is a continuation course where cadets manage the corps by serving in leadership positions. The academic hands-on experience portion affords cadets the opportunity to put the theories of previous leadership courses into practice. Planning, organizing, coordinating, directing, controlling, and decision-making will be done by the cadets. The LE course provides exposure to the fundamentals of management. The text contains many leadership topics and skills needed to help cadets practice what they have learned during their time in AFJROTC. The PT portion of the course provides cadets a wellness minded program offering substantial individual health improvements. (Prerequisite: Senior Aerospace Science Instructor approval)

AFJROTC 410 Aerospace Science– Survival – (1 credit)

Note: Approved Universal Jump Start Course; however, only one 400 Level ROTC course may be used for Jump Start credit. This course synthesizes basic survival information found in Air Force Survival Training. The course provides training in skills, knowledge, and attitudes necessary to successfully perform fundamental tasks needed for survival. Survival also presents "good to know" information that would be useful in any situation. The information is just as useful to an individual lost hunting, stranded in a snowstorm or dealing with the impact of a natural disaster. The LE is designed for students to build upon previous drill, ceremony and leadership courses and focus on the fundamentals of management, managing themselves and others. The physical training portion of the course provides cadets a wellness minded program offering substantial individual health improvements. A field evaluation is required. (Prerequisite: Senior Aerospace Science Instructor approval)

AFJROTC World Geography- 1 credit (Parkway only)

AFJROTC World Geography introduces students to the world's cultures through the study of world affairs, regional studies, and cultural awareness. The course delves into history, geography, religions, languages, culture, political systems, economics, education, social issues, environmental concerns, and human rights. It looks at major events and significant figures that have shaped each region. Leadership Education stresses communications/personal awareness skills and how to apply them to cadet corps activities.

AFJROTC 500: Aviation Honors Ground School - (1 credit) (Benton only)

This course offers a foundation for students interested in receiving a private pilot's license. The material covered is an advanced, more in-depth study of aerospace topics. This course prepares students to pass the Private Pilot Written Examination. It explores FAR/AIMs, basic navigation (pilotage/ dead reckoning/ radio), aviation physiology & safety, and emergency procedures. The Private Pilot Manual is the primary source for initial study and review. When the course is completed students should be prepared to take and pass the Federal Aviation Administration written examination per requirements of the Federal Aviation Regulations. (Prerequisite: Senior Aerospace Science Instructor approval, a junior or senior student who has demonstrated potential and aptitude, and the student must have successfully taken AFJROTC 200: The Science of Flight)

TRANSITION COURSES

Experiences as defined by ESEA for students with disabilities participating in LEAP Alternate Assessment

Transition: Foundational Employment Skills: This course is designed to introduce students to the transition services planning process. NOTE: Must be taken before or in conjunction with other transition courses for students on the LAA 1 pathway to a Career Diploma.

Community Based Instruction: Instruction that is provided off of the school campus in locations within the community. The instruction is tied to goals and objectives on the student's IEP.

Transition: Employment Sampling

This course is designed to introduce students to a variety of occupations aligned with the 16 National Career Cluster Pathways.

Transition: Employment

This course is designed to allow students to apply the skills obtained in Employment Sampling on actual job sites.

Transition: Education/Training

This course is designed to address skills that prepare students to actively explore post-secondary education options.

Transition: Independent Living

This course is designed to address those skills or tasks that contribute to successful independent functioning in adulthood.

Virtual Workplace Experience

To be eligible for these courses a student must have been evaluated and met criteria according to the *Pupil Appraisal Handbook*.

Virtual Workplace Experience I

Virtual Workplace Experience II

Virtual Workplace Experience III

Virtual Workplace ExperienceIV

Virtual Workplace Experience content as defined by ESEA for students participating in LEAP Alternate Assessment. Instruction may be integrated with other core content areas. A variety of high- and low-tech individual adaptations and modifications may be utilized in order for students to access the content area. Adaptations may be multi-sensory and multimodality in nature.

HEALTH AND PHYSICAL EDUCATION

A maximum of (4) four credits of Physical Education (I, II, III, and IV ONLY) may be used to satisfy graduation requirements.

AFJROTC I, II, or III may be used to satisfy P.E. graduation requirements.

Health Education – ½ credit

This course emphasizes knowledge, skills and understanding that enable students to develop healthy lifestyles as they move from adolescence to adulthood.

****A total of ½ credit of physical education may be earned by participating in marching band, extracurricular sports, cheering, or dance team.**

Physical Education I and II - 1 credit each

These courses include instruction in sports skills, recreational activities, individual and team sports, and health-related fitness. The curriculum enables students to understand the lifelong benefits of a physically active lifestyle. *(Prerequisites: None)*

Physical Education III and IV - 1 credit each

These courses include instruction in sports skills, recreational activities, individual and team sports, and health-related fitness. The curriculum enables students to understand the lifelong benefits of a physically active lifestyle.

Lifetime Fitness-1 credit

Lifetime Fitness emphasizes health and nutrition, weight and flexibility training, aerobic fitness, and endurance. Pre/post analysis of weight, body fat, cholesterol, blood pressure, and glucose are included. *(Prerequisite: Consent of instructor)*

Adapted Physical Education- To be eligible for this course a student must have been evaluated and meet criteria according to the *Pupil Appraisal Handbook*. Adapted Physical Education is an alternative to physical education for students with disabilities who meet the specified criteria in *Pupil Appraisal Handbook*. Training includes exercises in weights, sport skills, stretching, and various types of manipulative skills.

Weights and Conditioning - 1 credit

This course introduces students to basic weight lifting and conditioning principles, including beginning techniques, weight room safety, weight strength building, coordination, and cardiovascular fitness. It provides an opportunity for students to develop a quality of physical fitness that may continue as a lifetime fitness maintenance plan. *(Prerequisites: PE I and II, consent of instructor)*

Intermediate Weights and Conditioning - 1 credit

This course introduces students to intermediate weightlifting and conditioning principles, including strength building, coordination, and cardiovascular fitness. It enables students to build on a quality of fitness that may endure throughout adult life. *(Prerequisites: PE I and II and Weights and Conditioning/or consent of instructor)*

Advanced Weights and Conditioning -1 credit

This course introduces students to advanced weightlifting principles, with emphasis on the development of individual muscle groups and cardiovascular fitness. Competitive weightlifting is also introduced. *(Prerequisites: PE I and II, Weights and Conditioning and Intermediate Weights and Conditioning or consent of instructor)*

Off-Campus Athletic Training Program – ½ credit per term; 1 credit per year (maximum of 2 credits permitted)

This program provides off-campus athletic training programs that cannot be or are not offered in the physical education classes on high school campuses. An application must be submitted to the high school counselor **no later than ten (10) days after the start of the school term in which credit is sought. Parent is responsible for payment of all lessons and accompanying fees. May be substituted for Physical Education I and Physical Education II only.**

Art I - 1 credit

This course enables students to gain a basic working knowledge of the fundamental aspects of art. *(Prerequisite: None)*

Art II and III - 1 credit each

Art II and III build on the knowledge and skills in Art I, with a focus on the creation of more complex art using a greater variety of media. *(Prerequisite: Art I)*

Art IV - 1 credit

Art IV emphasizes the development of an individual art portfolio that showcases a student's best work. *(Prerequisites: Art I, Art III or consent of instructor)*

Fine Arts Survey - 1 credit

This course is a survey of visual arts, theatre/dance, and music through an exploration of history, major artists, artwork, techniques, terminology, and aesthetics of each art form. Emphasis is placed on the evolution of the arts throughout history, the identification of major stylistic periods and artists, and an appreciation and understanding of a variety of art forms. *(Prerequisite: None)*

AP Studio Art – 1 credit

The AP Studio Art portfolios are designed for students who are seriously interested in the practical experience of art. AP Studio Art is not based on a written examination; instead, students submit portfolios for evaluation at the end of the school year. Most AP Studio Art candidates prepare their portfolios through organized AP instruction. If your school does not offer an AP Studio Art program, you may work independently to complete the portfolio. It is vital that you plan far enough in advance so that you can complete the portfolio on time. *(AP criteria—A or B in related course(s), teacher recommendation, and cumulative GPA of 3.0 or better. Students enrolled in an AP course are required to take the AP Exam at a cost of \$25.00 to cover the Test Application Fee)*

AP Studio Art: 3-D Design – 1 credit

The AP Studio Art: 3-D portfolio is intended to address sculptural issues. Design involves purposeful decision making about using the elements and principles of art in an integrative way. In the 3-D design portfolio, students demonstrate their understanding of design principles as they relate to the integration of depth and space, volume and surface. *(Prerequisites: AP criteria (A or B in related course(s)), Teacher Recommendation, and cumulative GPA of 3.0 or better. Students enrolled in an AP course are required to take the AP Exam)*

Drama

Theater I – 1 credit

This course covers the fundamentals of acting technique, such as movement, voice, characterization, improvisation, and other basic acting skills. This is a performance-based class with heavy emphasis on in-class performances and activities. *(Prerequisite: none)*

Theater II – 1 credit (may be taken more than one time for additional credit)

This course expands experiences in Theatre I, with emphasis on advanced techniques associated with drama and/or play production. Co-curricular activities are included as part of academic requirements in this performance class. *(Prerequisite: Theater I)*

Broadcasting - 1 credit (may be taken more than one time for additional credit)

This course emphasizes planning, organizing, rehearsing, and performing for an audience. Co-curricular after-school activities are included as part of the academic requirements in this class. Class fee required. *(Prerequisite: Application Required)*

Technical Theatre I – 1 credit

This class designs and builds sets for travel and perform for an elementary audience. This class includes the following scenic elements: set design, acting, light design, make-up design, and theatre history. Co-curricular after-school activities are included as part of the academic requirements in this class. Class fee required. *(No Prerequisite)*

Technical Theatre II – 1 credit

Actually build sets for area schools-sister schools-build sets for beauty pageant, Krewe of Aesclepius, and Military ball, create backdrops for Elm Grove, Black History assembly, NHS assembly, Sadie Hawkins and school play. Co-curricular after-school activities are included as part of the academic requirements in this class. Class fee required. *(Prerequisite: Technical Theatre I)*

Instrumental Music

Intermediate Band – 1 credit

This course emphasizes the performance of required music on the state performance guideline list. Co-curricular activities are included as part of academic requirements in this performance class. *(Prerequisite: Some proficiency in playing an instrument)*

Percussion – 1 credit

This course emphasizes improving a student's ability to play the various percussion instruments. Co-curricular activities are included as part of the academic requirements in this performance class. *(Prerequisite: Audition)*

Advanced Band-1 credit

This course expands students' abilities to perform required music on the state performance guideline list. Co-curricular activities are included as part of academic requirements in this performance class. *(Prerequisite: Play an instrument)*

Wind Ensemble - 1 credit

This course emphasizes advanced fundamentals and the performance of difficult music literature. Co-curricular activities are included as part of academic requirements in this performance class. *(Prerequisite: Audition)*

Violin – 1 credit-

This course provides instruction on playing the violin the development of musical skills: note reading, rhythms, and performance music. This is a performance class. *(Prerequisite: Some proficiency in playing the violin or other string instrument.)*

AP Music Theory: A major component of any college curriculum in music is a course introducing the first-year student to music theory, a subject that comprises the musical materials and procedures of the Common Practice period. Such a course may bear a variety of titles (Basic Musicianship, Elementary Theory, Harmony and Dictation, Structure of Music, etc.). It may emphasize one aspect of music, such as harmony; more often, however, it integrates aspects of melody, harmony, texture, rhythm, form, musical analysis, elementary composition, and to some extent, history and style. Musicianship skills such as dictation and other listening skills, sight-singing, and keyboard harmony are considered an important part of the theory course, although they may be taught as separate classes. The student's ability to read and write musical notation is fundamental to such a course. It is also assumed that the student has acquired (or is acquiring) at least basic performance skills in voice or on an instrument. The ultimate goal of an AP Music Theory course is to develop a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. The achievement of these goals may best be approached by initially addressing fundamental aural, analytical, and compositional skills using both listening and written exercises. Building on this foundation, the course should progress to include more creative tasks, such as the harmonization of a melody by selecting appropriate chords, composing a musical bass line to provide two-voice counterpoint, or the realization of figured-bass notation. *(Prerequisites: AP criteria (A or B in related course(s)), Teacher Recommendation, and cumulative GPA of 3.0 or better. Students enrolled in an AP course are required to take the AP Exam at a cost of \$25.00 to cover the Test Application Fee)*

Vocal Music

Beginning Choir - 1 credit

This course emphasizes the development of musical skills: note reading, rhythms, and performance music. Co-curricular activities are included as part of academic requirements in this performance class. *(Prerequisite: None)*

Advanced Choir - 1 credit

This course further expands vocal technique and performance skills. Co-curricular activities are included as part of academic requirements in this performance class. *(Prerequisite: Audition)*

Small Vocal Ensemble - 1 credit

This course emphasizes the musical techniques, style, notation, and theory needed for proper vocal production. Co-curricular activities are included as part of academic requirements in this performance class. *(Prerequisite: Consent of instructor)*

FAMILY AND CONSUMER SCIENCES

Family and Consumer Science I - 1 credit

This course examines multiple life roles and responsibilities of individuals and family members. The focus is on the areas of personal and family living, wellness, nutrition and foods, living environments, appropriate child development practices, and transferring school skills to life and work. Through simulated experiences, students learn to fulfill their responsibilities associated with the work of the family and community. Skills in mathematics, communication, science, technology, and personal and interpersonal relationships are reinforced in this course. *(Prerequisite: None)*

Family and Consumer Sciences II - 1 credit

This course enhances the foundational skills introduced in FACS I. Additional learning focus and practical application activities are implemented in the areas of personal and family living, wellness, nutrition and foods, living environments, appropriate child development practices, clothing and textiles, and building employability skills to enhance life and work. Students continue to apply skills helping them to fulfill their responsibilities with the work of the family and the community through simulated experiences. Emphasis is on applying knowledge to real life situations. Skills in mathematics, communication, science, technology, and personal and interpersonal relationships are reinforced in this course. *(Prerequisite: Family and Consumer Sciences I and 10th-12th grade status)*

Nutrition and Food – ½ credit

This course provides students with basic nutrition and wellness knowledge and basic food preparation skills. Emphasis is placed on food preparation, kitchen and meal management, and the relationship of diet to health. Topics of study include nutrition, meal planning, food labeling, safety and sanitation, kitchen equipment, measuring, use of recipes, basic food preparation and consumer skills. Science, math, economics, and communication skills are reinforced in this course. *(Prerequisite: 10th-12th grade status Recommend FCS I as a Prerequisite)*

Advanced Nutrition and Food - ½ credit

This course addresses more complex concepts in nutrition and food preparation, with emphasis on social, psychological, and cultural influences on food choices globally. Topics include nutrition and wellness for individuals and families across the life span; impact of technology on nutrition, foods, and related tools and equipment; management of food-related resources; acquiring, organizing, and evaluating information about foods and nutrition; and exploration of careers in all aspects of the food industry. Student will have the opportunity to obtain the ServSafe certification. Laboratory experiences are included. *(Prerequisites: Nutrition and Food and 10th-12th grade status)*

Parenthood Education- ½ credit

Students take a look at the rewards, responsibilities, and challenges involved in the parenting role. The importance of the decision to become a parent is reinforced in each unit. Topics covered include human reproduction, pregnancy, heredity, medical care, childbirth, caring for a newborn, emotional adjustments, nutrition, discipline, guidance, family characteristics, childcare, budgeting, meeting the needs of exceptional children, and providing a nurturing environment for toddlers and preschool children. Balancing work and family responsibilities is a major focus of this course. Work-based learning strategies appropriate for this course are field trips, job shadowing, and school-based enterprises. Simulations, projects, and teamwork provide opportunities for application of instructional competencies. *(Prerequisite: 11th or 12th grade status)*

Child Development - 1 credit or ½ credit

Students will study the physical, intellectual, social, and emotional growth and development of children from birth through early childhood. Topics will include prenatal development; preparation for birth and the birth process; impacts of heredity, environment, and family on development of the child; and meeting children's needs for food, clothing, shelter, and care. Emphasis is on helping students create an environment for children that will promote optimum development. *(Prerequisite: 10th-12th grade status)*

Advanced Child Development – 1 credit

This course builds on the foundational skills introduced in Child Development. Advanced Child Development addresses more complex issues of child development and early childhood education with emphasis on guiding physical, social, emotional, intellectual, moral, and cultural development throughout childhood, including school age children. This course is offered only to sophomore, junior, and senior students. *(Prerequisite: Child Development and 10th-12th grade status)*

Clothing and Textiles - ½ credit

This course introduces students to concepts relating to fabrics, color, clothing care, buying clothing, sewing equipment, and beginning sewing skills. Emphasis is on applying construction and design skills to apparel and home fashion. Skills in art, communication, mathematics, science, and technology are reinforced in this course. The use of computerized sewing machines may be incorporated. The course is offered only to sophomore, junior, and senior students. *(Prerequisite: 10th-12th grade status and FACS I)*

Advanced Clothing and Textiles – ½ credit

This course builds upon concepts introduced in Clothing and Textiles. In-depth study of fabrics, fashion, color, clothing selection, care, and construction will be included. New technologies being applied to clothing and textiles will be explored, and job-related skills will be developed in

this advanced course. Skills in art, communication, mathematics, science, and technology are reinforced in this course. The course is offered only to sophomore, junior, and senior students. (Prerequisite: Clothing and Textiles and 11th-12th grade status)

Custom Sewing I- 1 credit

This course continues past Advanced Clothing and Textiles. Students will participate in wardrobe planning & recycling, pattern design and alterations, constructing simple garments, research and create fashion designs from various cultures and timeframes in history, and research various designers. Students will learn about the retail side of fashion and the laws associated with the fashion industry. Students will also explore career options and take the Pre-Pac assessment. (Prerequisite: FACS I, Clothing and Textiles/Advanced Clothing and Textiles, and 11th-12th grade status)

Custom Sewing II-1 credit

Extended study of Custom Sewing I. Students are able to pursue certification in Fashion, Textiles, and Apparel through the American Association of Family and Consumer Sciences. (Prerequisite: Custom Sewing I and 11th-12th grade status)

BUSINESS EDUCATION

Business Communications-1 credit

This course studies the application of business communication principles through creation of effective business documents and oral presentations. Includes study and application of team communication and use of technology to facilitate the communication process.

Introduction Business Computer Applications - 1 credit

This course is designed to provide students with basic computer application skills. Students will be introduced to the touch method of operating a computer keyboard to produce simple business documents. Emphasis is placed on basic computer concepts both hardware and software, word processing, and spreadsheet applications. Computer technology will be presented that could lead to the student's ability to obtain IC3 certification and Microsoft Office Specialist (MOS) certification in MS Word. (*Prerequisite: None*)

Business Computer Applications - 1 credit

This course is designed to acquaint students with the advanced principles associated with information processing. Students study advanced computer concepts, software applications, and computer systems. Emphasis is placed on skill development in using technology to perform advanced information processing. Topics of study include computer concepts, word processing, spreadsheet, and presentation software applications, which will increase in difficulty in the second semester. Computer technology will be presented that may lead to the student's ability to obtain Microsoft Office Specialist (MOS) certification in PowerPoint, and Excel. Communication skills, keyboarding, decision-making, technology and critical thinking skills are reinforced in this course through business application projects. (*Prerequisite: Introduction to Business Computer Applications and MOS Word Certification*)

College Business Computer Applications –Dual Credit – 1 credit (3 hours college credit)

This course is an introduction to data storage, manipulation, and processing techniques. Hardware components and various software packages are discussed in detail along with an introduction to the Internet. Hand-on use of an integrated software program is a significant component of this course. (Prerequisites: *IBCA, ACT composite score of 15 or higher, on track for TOPS, 11th or 12th grader, see Dual Enrollment Requirements*). **This course may have a Dual Enrollment fee assessed by the post-secondary institution that will be paid by student/parents. Qualified students may take this course for secondary credit only without paying the Dual Enrollment fee.**

Digital Information Technology - 1 credit

This course prepares students to work effectively in today's business environment. In this course, you will learn about the tasks involved in various Web Technology job roles, and the skills and technologies to perform them. Students will also learn about the fundamentals of networking, Internet protocols and network security is important for all professionals who use the Internet. After completion of this course, students will take the CIW Internet Business and CIW Network Technology certifications. This course is a prerequisite to the Website Development course. (Prerequisites: *IBCA or BCA, 11th or 12th grade.*)

Website Development-1 credit

This course teaches you essential web page development skills. You will learn to develop web sites using Hypertext Markup Language version 5 (HTML5) and Cascading Style Sheets (CSS). You will learn to write code manually, as well as use graphical user interface (GUI) authoring tools. You will also work with images, create hyperlinks, and add tables, forms, video and audio to your webpages. (Prerequisite: *Digital Information Technology*)

Business Law – 1 credit

This course on Business and Personal Law includes, contracts, criminal law, environmental law, family law, and consumer protection. Career Clusters present the needed skills, education, work experience, and industry opportunities for a variety of law careers. Online research requires

students to use the internet to research answers and solve legal problems. Completion of the Civics course is highly recommended before taking Business law.

Media Arts-1 credit

Media Arts I

Media Arts II

Media Arts III

Media Arts IV

Media Arts involves creating representations of the world and telling stories through various media technologies. Students may explore digital photography and video production in various fields as they learn to collaborate in creative teams and analytically respond to, and interact with, context and audience. Students learn to apply key concepts, story principles, and elements of media as they design, produce, distribute and analyze media artworks. Students learn and use the established and emerging techniques and practices for creating within different media forms.

Principles of Business - 1 credit

This course is an introductory course that provides students with basic business operations skills that can be applied in both personal and professional situations. Emphasis is placed on the exploration and description of basic business concepts and applications. Through business application projects critical-thinking, oral and written communication skills are reinforced in this course. Work-based learning strategies appropriate for this course are job shadowing, field trips, and service learning. Simulations, projects, teamwork, and FBLA leadership activities, meetings, conferences, and competitions provide opportunities for application of instructional competencies. (*Prerequisite: None*)

Entrepreneurship I - 1 credit

This course is designed to introduce students to the rewards and risks of owning or operating a business enterprise. Emphasis is placed on the mastery of skills needed to plan, organize, manage, operate and finance a business using current technology. Skills in communication, technical writing, mathematics, research, and problem solving are reinforced as each student prepares a business plan. Students will work on earning the Regional Core Micro-Enterprise Credential. (*Prerequisite: Introduction to Business Computer Application.*)

Entrepreneurship II- 1 credit

Advanced studies of owning and operating a business enterprise. Students will focus on the state Micro-Enterprise credential which certifies that students have mastered workplace behaviors and communication skills. Students will participate in specific small business activities, and gain the financial literacy skills necessary to become effective small business employees and entrepreneurs. (e.g. complete credit applications, complete online company registrations)

Principles of Marketing I- 1 credit

This course provides a basic foundation for further study in marketing. Students study economic functions at work in the marketplace, marketing functions including purchasing, pricing, and distribution functions. This course is based on the business and marketing core that includes communication skills, economics, financial analysis, and promotion. Both marketing and employment skills learned will improve and increase the chance of successful transition into the world of work.

CAREER READINESS COURSES

Basic Career Readiness—1 credit (Grades 10th-12th only)

This course highlights skills students will need for college and career success. In addition to a continued emphasis on mastering soft skills, students will learn about career pathways in Louisiana and practice the career-ready academic skills in demand by regional employees. This course emphasizes graduation and college and career planning. ACT Prep, Workkeys Prep will continue to be incorporated on a case by case basis working to obtain an ACT score of 18 or higher and/or Work Keys Silver. Students will receive support and guidance to equip them to be successful in core content courses.

Advanced Career Readiness—1 credit (Grades 10th-12th only)

This course focuses on student credentialing. Students are able to pursue and receive support for Customer Service certification, FEMA certification, First Aid CPR certification, OSHA 10 certification, and or Microsoft certification. In addition to a continued emphasis on mastering soft skills, students will learn about career pathways in Louisiana and practice the career-ready academic skills in demand by regional employers. This course emphasizes graduation and college and career planning, and may include internship and job-shadowing opportunities. Students will receive support and guidance to equip them to be successful in core content courses.

Quest for Success -1 credit

This course is a career exploration course designed to prepare all Louisiana graduates for career and life success. The new course will help all students to: develop essential 21st century workforce skills-the ability to communicate, collaborate, and lead. Explore new and exciting careers and industry sectors. Learn about themselves and their interests to successfully navigate high school, post-secondary education, and career pathways.

Propel I -1 credit

Propel Pathways is a program embedded into a student's spring term of senior year that has the potential to continue as ongoing support through their first year out of high school. This course itself is designed to help students prepare for, make informed decisions about, and ultimately build the skills to secure and maintain an economically viable job coming out of their senior year. Beyond this, students will be supported in planning effectively towards holding said position and growing their career trajectory over time.

TECHNOLOGY EDUCATION

Basic Technical Drafting - 1 credit (Plain Dealing High School and Airline High School only)

This course provides the student with a general overview of the basic concepts that are common to the broad field of technical drawing. Drafting is used to describe objects that cannot be effectively and precisely described within the written words of a language. This course develops the student's ability to express ideas in pictorial form, to describe objects through the use of drawings, and to read and to understand projection methods and working drawings. Science, mathematics, and communication skills are reinforced in this course. Work-based learning strategies appropriate for this course include field trips and job shadowing. This course and Technology Student Association technical and leadership activities enhance skills essential for students interested in technical and engineering career fields.

Basic Wood Technology - 1 credit (Airline High School only)

This course is designed as an introductory course for students who are interested in the field of woodworking technology. Students will explore the fundamentals of woodworking, beginning with the study of the use of woods in the manufacturing and construction industries, progressing with hand tool experiences and concluding with the study and utilization of modern power hand tools and machines. Students will apply mathematics, science, and communication skills to study, design, and construct wood products. Work-based learning strategies appropriate for this course include field trips, service learning, and job shadowing. This course and Technology Student Association technical and leadership activities enhance skills essential for students interested in technical and engineering career fields.

Advanced Wood Technology- 1 credit (Airline High School only)

This course is designed as an advanced course for students who wish to continue their study of the field of woodworking technology. Students will explore advanced manufacturing processes and techniques utilizing modern power hand tools and equipment. Students will apply mathematics, science, and communication skills to study- design, and construct advanced wood products. Work-based learning strategies appropriate for this course include field trips, service learning, job shadowing, and internships. This course and Technology Student Association technical and leadership activities enhance skills essential for students interested in technical and engineering career fields. *(Prerequisite: Basic Wood Technology)*

Career and Technical Education Electives

Bossier Parish School for Technology & Innovative Learning (BPSTIL)

Students must be currently enrolled in a Bossier Parish high school and able to schedule two consecutive blocks for courses.

Accounting I - Introduction to accounting and financial reporting concepts and the significance of financial accounting information in decision-making. Emphasis on the accounting cycle; assets, liabilities, and owners' equity; and preparation of financial statements. (*Prerequisites: ACT composite score of 19 or higher for Dual Enrollment. 11th-12th grade status*)

Accounting II -Introduction to managerial accounting theory, tools and concepts, with emphasis on the techniques used to provide information for internal management decisions. (*Prerequisites: ACT composite score of 19 or higher for Dual Enrollment. 11th 12th grade status*)

General Automotive Maintenance/NCCER Core-2 credits

This course is an introductory course for students considering careers in the automotive, transportation and construction industries. In this course, students will learn how to choose a quality repair facility, buy a car, handle roadside emergencies, diagnose common problems, and communicate effectively with technicians.

Auto Body Repair I –2 credits

Auto Body Repair I consists of instruction in shop orientation and safety in addition to tools and equipment. Students have the opportunity to receive college credit upon successful completion. Students also receive instruction on the following: vehicle construction, basic metal alignment, the use of plastic fillers, block sanding, basic welding, paint preparation, and refinishing techniques with hands-on application.

Auto Body Repair II – 2 credits

Auto Body Repair II consists of instruction in identification and analysis in addition to damage estimating. Students have the opportunity to receive college credit upon successful completion. Students also receive more in-depth instruction on the following: vehicle construction, basic metal alignment, the use of plastic fillers, block sanding, basic welding, paint preparation, and refinishing techniques with hands-on application. (Prerequisite: Auto Body Repair I)

Auto Body Repair III - 2 credits

Auto Body Repair III consists of instruction in straightening steel and aluminum, as well as more advanced study in Auto Body. Students have the opportunity to receive college credit upon successful completion. This course provides advanced studies in Auto Body Repair. (Prerequisite: Auto Body Repair II)

Auto Body Repair IV –2 credits

Auto Body Repair IV consists of automotive trim and glass, as well as more advanced studies in Auto Body. Students have the opportunity to receive college credit upon successful completion. This course provides advanced studies in Auto Body Repair. (Prerequisite: Auto Body Repair III)

Automotive Technology I – 2 credits (Dual Enrollment available with Louisiana Technical College)

Topics covered will include diagnosis and repair of general steering and suspension, wheel and tire, hydraulic systems, and general electrical systems.

Automotive Technology II – 2 credits (Dual Enrollment available with Louisiana Technical College)

Topics covered will include diagnosis and repair of steering systems, drum brakes, disc brakes, batteries, starting systems, and computerized engine controls. (Prerequisite: Automotive Technology I).

Automotive Technology III – 2 credits (Dual Enrollment available with Louisiana Technical College)

Topics covered will include diagnosis and repair of suspension systems, power assists, charging systems, lighting systems, gauges, warning devices, driver information, ignition systems, fuel, air induction, and exhaust systems. (Prerequisite: Automotive Technology II).

Automotive Technology IV – 2 credits (Dual Enrollment available with Louisiana Technical College)

Topics covered will include diagnosis and repair of wheel alignments, anti-lock and traction controls, horn and wiper/washers, electrical accessories, emissions systems, and other engine related services. (Prerequisite: Automotive Technology III).

Barbering I –2 credits (Dual Enrollment available with Louisiana Technical College)

History of Barbering, Life Skills, Professional Image, Infection Control, Implements, Tools and Equipment, & Properties and Disorders of the Hair and Scalp.

This course includes history, ethical, legal behavior, hygiene, grooming and maintaining the professional image of the Barber stylist, as well as the Louisiana State Board of Examiners rules and regulations.

Theory/Lab:

Student performance is emphasized in this course, which includes haircuts, the safety and methods of cleaning and disinfecting, as well as identification, handling and care, and use of tools and equipment. Demonstration of all equipment in the barbershop as well as tools used for haircutting will be demonstrated.

Barbering II—2 credits-(Dual Enrollment available with Louisiana Technical College)

General Anatomy and Physiology, Basics of Chemistry, Basics of Electricity, and the Structure, Diseases and Disorders of the Skin.

Skin, scalp and hair are analyzed according to structure and function. Performing the shampoo, using hair rinses and conditioners, as well as other modes of scalp and hair treatment are explored in order to meet the client's individual needs. The theory of cutting and styling men's and women's hair using fundamental principles of haircutting/styling while considering various facial shapes is discussed and demonstrated.

Theory/Lab

Student's performance is the emphasis of this course, as well as the treatments of the scalp and hair, including demonstrations on shampooing, rinsing and conditioning. (Prerequisite: Barbering I)

Barbering III –2 credits-(Dual Enrollment available with Louisiana Technical College)

Treatment of the Hair & Scalp, Shaving & Facial Hair Designs, Men's Haircutting & Styling, and Women's Haircutting and Styling

Areas to be shaved are explained, and the theory of the standard strokes are studied and used to demonstrate the professional shave. The theory of the artistic services of mustache and beard trimming is also a part of this course. Student performance of men's and women's basic haircutting/styling and shaving, mustache, and beard design are also a part of this program. (Prerequisite: Barbering II)

Theory/Lab

Student performance of the basic haircuts, as well as the shaving zones of the face are focused on in this course.

Barbering IV—2 credits-(Dual Enrollment available with Louisiana Technical College)

Preparing for Licensure and Employment, Working behind the Chair, and The Business of Barbering

In this course, the student is focusing on the planning of getting their Barber's License and preparing for employment. Extended coursework includes

the process of working as a barber and an extension of focusing on becoming the barbershop owner. (Prerequisite: Barbering III)

Theory/Lab

Student performance of this course includes practice test exams, learning the business aspects of barbering, types of business options as well as the continuation of the performance of haircuts in the barbershop.

AP Computer Science Principles - 1 credit

Computer Science emphasizes object-oriented programming methodology with an emphasis on problem-solving and algorithm development. Topics covered include: object-oriented program design, program implementation, program analysis, standard data structures, standard algorithms, abstraction, and computing in context. **Elective credit and culminates with the AP Computer Science Principles Exam.** (*Students enrolled in an AP course are required to take the AP Exam at a cost set by the parish to cover the test application fee.*)

Computer Networking-(Dual Credit Awarded)-2 credits

This class is for any student interested in learning to troubleshoot problems with computer software and/or hardware. Students who own a computer or enjoy using a computer will benefit from this class. The curriculum is designed to help students with a quality background that will help them prepare to pass the CompTIA A+ and CompTIA Network + certification tests. This is the first step to a career in Cyber Information Technology. **This course may have a Dual Enrollment fee assessed by the post-secondary institution that will be paid by students/parents.**

Computer Programming I (Python and Swift)- 1 credit

This course includes the basics of computer programming in the Python language, emphasizing computational thinking and problem solving. This course also covers the fundamentals of programming in the Swift language, teaching students how to use Apple's Xcode interface to create apps for iOS mobile devices.

Criminal Justice—2 credits

Criminal Justice –1 credit

This course provides a basic understanding of the American legal system and its impact on many aspects of life. Criminal Justice is a course designed to focus on concepts that are central to the study of constitutional, criminal, civil, and family law and related topics such as the prison system, the court system, and trial procedures.

American Government – 1 credit

This course expands on the concepts taught in Civics and further explores the foundational ideals found in the Constitution, as well as America's adversarial political culture, and a commitment to freedom and limited government. Topics of focus in this course will include the American System, Institutions of Government, Public Policy, the impact of major Supreme Court of The United States decisions, and public opinion

Criminal Justice II- 2 credits

Advanced studies in Criminal Justice I. (Prerequisite: Criminal Justice I)

Culinary Arts I – 2 credits (Dual Enrollment Available with BPCC)

This course introduces students to fundamental food preparation terms, concepts, and methods in Culinary Arts in which laboratory practice will parallel class work. Fundamental techniques, skills, and terminology are covered and mastered, with an emphasis on basic kitchen and dining room safety, sanitation, equipment maintenance, and operational procedures.

Culinary Arts II – 2 credits (Dual Enrollment Available with BPCC)

This course is focused on preparing students to enter the food service industry. Culinary Arts II is an advanced and rigorous in-depth course designed for students who have continued the Culinary Arts courses and wish to continue their education at the post-secondary level or enter the food service industry. (Prerequisite: Culinary Arts I).

Culinary Arts III (Baking and Pastry)-2 credits

An introductory program that prepares students to serve as entry level into baking and pastry. It includes an overview into bread and pastry production, bread and pastry handling and storage, cake and pastry decorating, baking industry operations, equipment, measuring and mixing methods. (Prerequisite: Culinary Arts II)

Culinary Arts IV (Baking and Pastry) - 2 credits

This program will allow students to enter into an entry level position in restaurants or other commercial food service establishments. Includes more in-depth instruction in the areas of bread and pastry making, cake and pastry decorating, baking industry operations, product packaging and marketing operations, and counter display and service. Further, this course will include a capstone project that serves as a culminating project to showcase what they have learned while enrolled in Culinary Arts. (Prerequisite: Culinary Arts III)

Early Childhood Education I – 2 credits

This course prepares students to work with children, birth to 8 years of age. Emphasis is placed on enhancing the development of young children while providing early education and care. Stages of child development, health, safety, guidance, and developmentally appropriate activities are reinforced in this course. Work-based learning strategies appropriate for this course are school-based enterprises, internships, cooperative education, service learning, field trips, job shadowing, and apprenticeships. Skill development projects provide the opportunity to apply competencies and workplace readiness skills to authentic experiences. Foundation skill development assists students desiring to meet requirements for the Child Development Associate (CDA) credential. The course is offered only to junior and senior students.

Early Childhood Education II—2 credits (Dual Enrollment available with BPCC)

This course prepares students for employment in early childhood education and child-related careers. Emphasis is placed on enhancing the development of young children while providing early education and care. Topics include planning and guiding developmentally appropriate activities for young children; developmentally appropriate practices of guidance and discipline; application of basic health and safety principles when working with children; management and operation of licensed child care facilities; state child care regulations and licensing requirements; and employability skills. Intensive child-care/preschool laboratory experiences, resume, and portfolio development are required components. Work-based learning strategies appropriate for this course are school-based enterprises, internships, cooperative education, service learning, field trips, job shadowing, and apprenticeships. Skill development assignments provide the opportunity to apply competencies and workplace readiness skills to authentic experiences. Foundation skill development is included for students to meet partial requirements for the Child Development Associate (CDA) credential. The course is offered only to junior and senior students. (Prerequisite: Early Childhood Education I).

Early Childhood Education III-2 credits

This course is a continuation of ECE II. In addition to an intensive internship working with preschool children in a child care or public school setting, students will explore the use of the CLASS tool. This tool is currently used as an evaluation instrument in preschools throughout the state to measure the effectiveness of teacher-child interactions. Students will practice specific interaction strategies, as exemplified during class discussions and video demonstrations. Students will also complete the Child Development Associate portfolio as a component required to pursue a CDA certification. The supervised hours of working with children will also contribute to the completion of the CDA credential. (Prerequisite: ECE II)

Early Childhood Education IV- 2 credits

Continuation of field experience towards earning CDA certification.

Graphic Arts I - 2 credits

Graphic Arts I provides students with an overview of the printing and graphic design industry. Students will be introduced to Adobe Photoshop, Illustrator, and Indesign while using iMac computers. Photo and image editing, vector drawing, document creation, digital imaging, and electronic file transfers will give students hands-on skills used in the industry today. Instruction is given to prepare students for Adobe Certified Associate certification in Visual Communication using Adobe Photoshop.

Graphic Arts II - 2 credits

Graphic Arts II provides more advanced instruction in the Adobe Design Suite software used in Graphic Arts I, while producing projects similar to job orders produced daily in industry. Digital garment design and production, brochure and poster creation and publication, digital photography and editing, and promotional product design, are just some of the areas a Graphic Arts II student might explore. Instruction is given to prepare students for Adobe Certified Associate certification in Graphic Design and Illustration using Adobe Illustrator.

Graphic Arts III-2 credits

Graphic Arts III deals with industries, arts, and processes that deliver a message with printed images on paper and other surfaces. Draftsmanship, mechanical aptitude, and a fine sense for the use of colors and materials have always been necessary to create visually pleasing products. Instruction is given to prepare students for Adobe Certified Associate certification in Print and Digital Media Publications using Adobe Indesign.

Graphic Arts IV-2 credits

Graphic Arts IV provides advanced instruction in the operation of color digital press to produce printed products such as multi-page booklets, posters, multi-out business cards, and envelopes. Students will produce advanced documents requiring complicated design and production techniques. Graphic Arts IV students will participate (as needed) in tutoring and peer training other students from Graphic Arts I, II, & III in design and production of graphic products. Products produced will vary based upon current jobs being produced by the Graphic Arts class. Training and preparation towards Adobe Certified associates Visual Design Specialist.

Hospitality and Tourism I—1 or 2 credits

This is an introductory course providing students with basic skills that will be applied toward a successful career in the hospitality industry. Emphasis is placed on the various skills and services in the hospitality industry including event planning, food and beverage management, advertising, marketing, travel and tourism. The class will also focus on developing 21st century skills such as effective communication skills, leadership practices and management policies and procedures that can be applied in any business setting. Topics covered in this course range from the planning, organization and implementation of industry specific projects, customer service, event management and the economic impact of tourism. Real world projects provide opportunities for application of instructional competencies. Students must complete 25 hours of teacher approve work in addition to instructional time.

Hospitality and Tourism II—1 or 2 credits

This course is the second course for the Hospitality and Tourism class providing students with more advanced skills to be applied toward a successful career in the hospitality industry. Emphasis is placed on the leadership, management, marketing, sales, and food and beverage divisions in the hospitality industry. This class will continue to develop 21st century skills such as effective communication skills, leadership practices and management policies and procedures that can be applied in any business setting. Topics covered in this course range from sales and marketing of a property and destination, exceeding customer service expectations, career development, team building, and instructional competencies. Students must complete 25 hours of teacher approved work in addition to instructional time.
(Prerequisite: Hospitality and Tourism I)

Tourism Marketing - 1 credit

This course is designed to introduce students to the tourism industry, which provides for customer's needs, wants and demands as they travel. Students will explore the business activities related to accommodations, prepared food and beverage service, travel and entertainment. Students will examine products related to tourism with emphasis placed on hospitality and customer service. *(Prerequisites: English I & II)*

Maintenance Assistant/NCCER Core--2 credits

Topics include basic workplace safety skills and introductory craft skills of hand and power tools. Students will work toward earning the NCCER Core, OSHA 10, and CPR/First Aid certifications. Various projects will be incorporated into the course to provide students with opportunities to practice hands-on skills using the various tools and equipment needed in entry-level maintenance positions.

Carpentry I--2 credits

Carpentry I is instruction in the use of hand tools, portable power tools, stationary power tools, identification of building materials, and blueprint reading with hands-on application. Students will work toward earning NCCER Core Certification.

Carpentry II –2 credits

Carpentry II reviews first year material with instruction in wall and ceiling framing, roofing, interior finishes, and trims. Students receive hands-on application. Students will work toward earning NCCER Level 1 Certification. (Prerequisite: Carpentry I).

Carpentry III – 2 credits

This course provides advanced studies in Carpentry. Students will work toward earning NCCER Level 2 Certification. (Prerequisite: Carpentry II).

Carpentry IV –2 credits

This course provides advanced studies in Carpentry. Students will work toward completing the NCCER Level 2 Certification
(Prerequisite: Carpentry III).

Welding I-(Basic SMAW & NCCER CORE) –Dual Credit - 2 credits (Dual Enrollment available with LTC)

Welding I provides instruction in oxy-fuel cutting and basic arc welding with hands-on application. NCCER Core and OSHA 10 Certification is available.

Welding II – Dual Credit - 2 credits (Dual Enrollment available with LTC)

Welding II is a continuation of instruction in oxy-fuel cutting and basic arc welding with hands-on application. NCCER Level I Certification is available. (Prerequisite: Welding I)

Welding III – Dual Credit - 2 credits (Dual Enrollment available with LTC)

This course provides advanced instruction in welding which includes pipe welding. NCCER Level II Certification is available. (Prerequisite: Welding II)

Welding IV – Dual Credit - 2 credits (Dual Enrollment available with LTC)

This course provides advanced instruction in welding which includes TIG welding. (Prerequisite: Welding III)

Welding V-(SMAW 5 & 6G Pipe)- 2 credits (Dual Enrollment available with LTC)

Basic instruction in the pipe welding. Students will learn to fit and weld pipe in all positions. This course provides advanced instruction in welding which includes pipe welding. (Prerequisite: Welding IV)

Welding VI – Dual Credit - 2 credits (Dual Enrollment available with LTC)

This course provides advanced instruction in welding which includes pipe welding. (Prerequisite: Welding V)

Outdoor Power Equipment Technician I - 2 credits

The outdoor power equipment technician will find job opportunities as a mechanic in small engine shops, outboard motor, motorcycle shops, and in-house maintenance departments. The outdoor power equipment technician can also start his/her own repair business and be self-employed. Topics covered in this course include: Occupational Orientation & Safety; Basic Tools & Repair Techniques; Shop Tool Operations; Shop Management; Basic Engine Principles, Theory, and Operation; 4 Cycle Engine Disassembly and Reassembly; and Basic Fuel Systems Fundamentals.

Outdoor Power Equipment Technician II - 2 credits

Outdoor Power Equipment Technician II includes basic engine principles and fuel systems. Topics include: Fuel Systems Disassembly and Reassembly; Basic Electrical Theory; Ignition Systems and Electrical Service; Starting Systems; Charging Systems; Lubrication Systems; Cooling Systems; Systems Troubleshooting; and Preventative Maintenance and Troubleshooting. Students may work toward taking the Four Stroke Exam from the Equipment and Engines Technicians Certification (EETC.) (Prerequisite: Outdoor Power Equipment I)

Outdoor Power Equipment Technician III – Dual Credit - 2 credits

This course provides advanced instruction in Outdoor Power Equipment. Students may work toward taking the Four Stroke Exam from the Equipment and Engines Technicians Certification (EETC.) (Prerequisite: Outdoor Power Equipment II)

Outdoor Power Equipment Technician IV- Dual Credit - 2 credits

This course provides advanced instruction in Outdoor Power Equipment. Students may work toward taking the Four Stroke Exam from the Equipment and Engines Technicians Certification (EETC.) (Prerequisite: Outdoor Power Equipment III)

Project Lead the Way I—2 credits (9-12th grade)

Introduction to Engineering Design

Introduction to Engineering Design (IED) is a high school level course that is appropriate for students who are interested in design and engineering. The major focus of the IED course is to expose students to design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. IED gives students the opportunity to develop skills and understanding of course concepts through activity-, project-, and problem-based (APPB) learning. Students will employ engineering and scientific concepts in the solution of engineering design problems. In addition, students use the most current issued 3D solid modeling design software package to help them design solutions to solve proposed problems. Students will develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges that increase in difficulty throughout the course.

Pre-AP Geometry- 1 credit-Cohort class with PLTW I

Project Lead the Way II—2 credits

Principles of Engineering –1 credit

Students will explore technology systems and manufacturing processes to understand the various fields of engineering and engineering technology. Topics include mechanisms, strength of structures and materials, and automation. Students develop skills in problems solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. (Prerequisite: Completed or currently enrolled in Introduction to Engineering Design.)

Algebra II- 1 credit –Cohort class with PLTW II

Project Lead the Way III—2 credits

Computer Integrated Manufacturing

Manufactured items are part of everyday life, yet most students have not been introduced to the high tech, innovative nature of modern manufacturing. This course illuminates the opportunities related to understanding manufacturing. At the same time, it teaches students about manufacturing processes, product design, robotics, and automation.

Advanced Math-Trigonometry-1 credit- Cohort class with PLTW III

NCCER Electrical/Instrumentation I-2 credits (Dual Enrollment with Delta Community College)

This course provides a foundation for students to pursue career paths in Electrical, Instrumentation & Control, and related fields. Students are introduced to element of residential, commercial, and industrial electrician installation and maintenance. The course uses a project-based curriculum to cover basic orientation to the electrical trades, safety, circuit theory, device boxes, raceways and fittings, and conductors and cables. (Prerequisite: NCCER Core, 11th and 12th grade students)

NCCER ELECTRICAL/INSTRUMENTATION II-2 credits

This course is a continuation of the concepts taught in NCCER Electrical/Instrumentation I. Students will complete the modules required to earn the NCCER Electrical Level 1 certification.

TV Production I–2 credits

Students will be introduced to basic television production with an emphasis on short film, news production, and video editing. The class is designed to hone skills through hands-on classroom instruction that enriches individual artistic visions. Students will learn the basics of script writing, camera operation in a wide range of settings, and the use of Adobe Premiere Pro software for editing. The majority of the class will be hands-on activities to reinforce the topics we are covering. Students will work in teams to accomplish most of the television production assignments. Much of what the student will learn comes from my direct professional experience in the field of television production.

TV Production II–2 credits

This course provides advanced instruction in Premiere Pro and Cinematography. Students work towards earning the Adobe Premiere Pro certification.(Prerequisite: TV Production I)

Health Care Courses Offered at BPSTIL

Introduction to Health Occupations/Medical Terminology - 2 credits (Dual Enrollment available with BPCC & LTC)

This course is designed to determine the health care career most suited to the student's goal by learning the specifics of each role and the factors that affect professional performance. This is an introductory course designed to provide the student with an exploratory experience that offers information on a variety of health care medical career fields. Education and responsibilities of various health careers will be explored, along with basic concepts common to all health careers. These concepts include: medical terminology, safety and accident prevention, professionalism, legal aspects, computers in health care, and an introduction to anatomy and physiology. Guest speakers and field trips to various health facilities are conducted to enhance the curriculum. Medical terminology provides the student with the ability to identify medical terms by analyzing their components. Emphasis is placed on defining medical prefixes, root words, suffixes, and abbreviations.

Certified Nursing Assistant—2 credits (Dual Enrollment available with BPCC & LTC)

Allied Health Services I— 1 credit

This course is the first of two courses designed to prepare students as Certified Nursing Assistants for jobs in hospitals, nursing homes, or other health care facilities. Students are taught basic entry-level skills and knowledge to provide personal care and basic nursing care skills needed to be a Certified Nursing Assistant (CNA). Classroom instruction and simulated in-school laboratory activities provide the student with clinical skills and appropriate professional behavior. The primary focus is on skill development, both oral and written, of the language utilized for communication in the health care professions. Appropriate work-based learning strategies for this course include the development of individualized clinical and personal skills, specifically related to the nursing assistant. Students successfully completing the course with the required attendance, grade and proficiency in the required skills will have the opportunity to continue to the Nursing Assistant portion of the course which involves clinical hours within a nursing home setting. **NOTE**—Students who do **NOT** meet the requirements to continue in the Nursing Assistant (clinical) course, will be enrolled in Allied Health Services II during the second 9 weeks of class. (*Prerequisites:* Introduction to Health Occupations/Medical Terminology, 2.5 GPA, and 12th grade)

Nursing Assistant – 1 credit

This course is the second of two courses designed to prepare students as Certified Nursing Assistants. It provides clinical experience of skills learned and practiced in the laboratory setting during Allied Health Services I. Work-based strategies utilized in this course are internship at nursing homes, acute hospitals, and/or other health care facilities. Reinforced in this course are mathematics, science, written and oral communication skills, as well as basic nursing assistant clinical skills. Students successfully completing the course with the required grade in the clinical experience, a written examination, and a performance assessment will be eligible to become Certified Nursing Assistants in the state of Louisiana. (*Prerequisites:* 12th grade and successful completion of Allied Health Services I). *Personal transportation is required to attend Clinical experience.*

Allied Health Services II—1 credit

This course is a continuation of the practical entry-level skills and knowledge needed to provide personal care and basic nursing care skills. Expanded topics may include medical terminology and medical ethics and law. (*Prerequisite: Allied Health Services I*)

Medical Assistant- 2 credits— (Dual Enrollment available with LTC)

This course is offered in the spring term only of the senior year. Students will gain advanced CNA knowledge and skills needed to obtain a Medical Assistant certification. An introduction to electrocardiograms and phlebotomy will be included as well as anatomy and physiology, communication and professional aspects, and administrative procedures. Guest speakers and field trips are included to enhance the curriculum. This course will give students more marketable skills to gain employment in various health care facilities. Students will have multiple weeks of clinicals in an acute care facility and medical offices. (*Prerequisite: Successful completion of CNA course*)

Sports Medicine – 2 credits (Dual Enrollment with Medical Terminology available with BPC)

This course provides students with an overview of the field of sports medicine. Students will be exposed to the fundamental skills involved in a sports medicine healthcare setting. Medical Terminology, First Aid and BLS Healthcare Provider (CPR certification) are integrated in the course. Studies include: pathology of sports injuries, the body's response to injury, sports related illnesses, basic emergency actions for injuries, psychological and sociological effects, management techniques of injuries. This course offers students the opportunity to prepare themselves for possible careers as an athletic trainer, physical therapist, exercise physiologist, massage therapist, sports physician or many other medical and healthcare related careers. (*Prerequisite: 2.0 GPA*).

Emergency Medical Responder - 2 credits

This course is designed to improve the quality of emergency medical care rendered to victims of accidents and illnesses. As the first person at the emergency scene, it is crucial for the emergency medical responder to be proficient in providing basic life support and taking any other actions necessary to minimize the patient's discomfort and prevent further complications. Topics include airway management, hemorrhage control, bandaging, simple spinal immobilization and simple splinting and infection control. Oral and written communication skills and medical terminology are reinforced in this course through simulated in-school laboratory activities designed to provide opportunities for the student to develop clinical skills and appropriate ethical behaviors. Appropriate work-based strategies for this course include the development of individualized clinical skills and field trips which will provide a good foundation for the entire Emergency Medical Services system. Students will also complete CPR-BLS for Healthcare Provider through American Heart Association guidelines. Emergency medical responder certification is possible in the state of Louisiana upon successful completion of the course. This class is for the serious student who would like to be better trained to respond to medical emergencies.

Emergency Medical Technician (EMT) - 2 credits

This college level course is designed to provide the student with advanced instruction to improve the quality of emergency medical care rendered to victims of accidents and illnesses. Topics include anatomy and physiology, disease processes, assessment and patient stabilization, and proper use of equipment such as automatic external defibrillators, airway adjuncts, extrication, ambulance protocols, and practical skills sessions. Reinforced in this course are legal, ethical, medical, and cultural issues, "Scope of Practice", documentation and communication skills, and infection control. Appropriate work-based learning strategies for this course are clinical experiences, guest lectures by other professionals, and experienced ambulance staff assisting with skills competence. This is a simulated course in which the proper professional and technical equipment is in place for training on the equipment. Students must be able to complete clinical requirements outside of the classroom time on the approved ambulance service. A minimum of 10 patient contacts will be required. Students must be certified in CPR-BLS for Health Care Provider with the American Heart Association prior to EMT-Basic certification. This course is designed to meet ALL State and National requirements to prepare for testing in the EMT-Basic via the National Registry Exam. This class is for the serious student who would like to be better trained to respond to medical emergencies. (*Prerequisite: Successful completion of Emergency Medical Responder and 12th grade status*).

School-to Work Courses

(Courses require transportation to class and work site)

Career and Technical Education Internship I & II- 2 credits each

These courses are designed to provide career and technical education students an opportunity to apply learned skills in the workplace. Paid internships are provided, and the student has the opportunity to explore a single potential career or a combination of careers they may be considering. Emphasis will be placed on developing interpersonal skills, work ethics, relevant skills of the workplace, and an understanding of the selected career field of study. Oral and written communication skills are reinforced in this course as the student completes their workplace experience. Students may take this course for one or two terms. *(Prerequisites: Acceptance into the internship is based on an application process with a teacher and/or administrator recommendation. Good attendance and discipline records are required. Student must be 16 years of age, and provide own transportation to class and worksite)*

Career Mentorship Program-1 credit

In this course students explore a career “on-site”, and are mentored by an adult professional in that career area. (Prerequisite: 11th or 12th grade)

Community Involvement- 1 credit

This course emphasizes personal, social, intellectual, and academic development through classroom activities and time volunteered in areas of community need. (Prerequisite: 12th grade.)

Cooperative Marketing Education II/Tourism Marketing (DECA) - 4 credits

Cooperative Marketing Education II—3 credits

Students received course credit for successful completion of classroom academics in the course in which they are enrolled and on the job training through this course. Students work under the guidance of a teacher facilitator in collaboration with community members/business representatives who serve as on-the-job trainers. Students are evaluated both in the classroom and on the job. The final course grade is a combination of classroom and work site job performance. *(Prerequisite: Cooperative Marketing Education I, transportation to and from class and worksite is required)*

Introduction to Teaching- 1 credit

This course includes academic instruction and practical experiences involved in the teaching profession. An integral part of the course is completion of specific educational tasks in a classroom under the guidance of a certified teacher. (Prerequisites: Application, 12th grade, 2.5 GPA)

Cooperative Office Education (COE)/Entrepreneurship (or Word Processing)—4 credits

Cooperative Office Education—3 credits

This course is designed as an introductory course covering the concepts, procedures, and applications of a word processing program. Emphasis is placed on skill development and efficient operation of the program in creating, storing, retrieving, editing, printing, and manipulating documents. Skills in keyboarding and critical thinking are reinforced in this course as students’ format, create, and proofread brochures, programs, newsletters, power point presentations, and manuscripts. *(Prerequisite: Keyboarding/Keyboarding Applications or Introduction to Business Computer Applications. Transportation to and from class and worksite is required)*

The Bossier Parish School System shall not discriminate in the rendering of services to and/or
Employment of individuals because of race, color, sex, religion, age, national origin, handicap, disability,
Veteran status, or any non-merit factor