

Complete Course Offering Description			
Course Provider	St. James Parish Schools		
Course Title	Advance Chemistry I (Chemistry 1010)		
Louisiana Course Code	150499		
Course Content	This is a dual enrollment course in partnership with River Parish Community College (RPCC) and St. James Parish Schools. This course introduces fundamental laws, modern theories and principles of general chemistry. The emphasis will be concentrated on matter and measurement, atomic structure, electronic structure of atoms, stoichiometry, aqueous reactions, periodicity, bonding, and gases. Integrated into the course are problem solving and quantitative approaches. This course is intended for a science/ engineering curricula. Prerequisite: eligibility for Math 1100, College Algebra and pass high school chemistry with a "C" or higher Co-requisite: Chemistry 1010 Lab		
Instructional Modality	Face-to-Face XX	Online	Blended
Required Projects, Papers and Tests	Daily/ weekly quizzes, project, writing assignments, and exams will be used during the semester to help assess specific areas of information.		
Basis for Developing Student Grades	The student will be assessed and graded using the required projects, papers, and test. Grades will be on a 10 point scale.		
Targeted Student Learning Objectives	 Develop a skill set of knowledge of chemistry concepts in chemical and physical properties of matter, atomic and molecular structure, chemical reactions and reactivity, as well as, bonding of ionic versus covalent moieties. Develop skills to analyze and solve quantitative chemical problems that relate to the course content. Use and apply chemical principles to understand chemical concepts found in everyday life. Have the ability to communicate effectively in verbal and written manner about chemistry to others. 		



Complete Course Offerin	g Description		
Course Provider	St. James Parish Schools		
Course Title	Advanced Chemistry II (Chemistry 1020)		
Louisiana Course Code	150402		
Course Content	This is a dual enrollment course in partnership with River Parish Community College (RPCC) and St. James Parish Schools. This course is a continuation from Chemistry 1010 introducing additional fundamental concepts of general chemistry. The emphasis will be concentrated on chemical thermodynamics, aqueous reactions, reaction theory & rates, equilibrium reactions and equilibrium calculations, and electrochemistry. There will be problem solving, including quantitative qualitative applications. This course is intended for a science/engineering curricula. Prerequisite: Pass CHEM 1010 with a "C" or higher Co-requisite: 1020 Lab		
Instructional Modality	Face-to-Face XX	Online	Blended
Required Projects, Papers and Tests	Daily/ weekly quizzes, project, writing assignments, and exams will be used during the semester to help assess specific areas of information. The student will be assessed and graded using the required projects, papers, and test. Grades will be on a 10 point scale.		
Basis for Developing Student Grades			
Targeted Student Learning Objectives	 Develop a skill set of chemistry knowledge in chemical and physical properties of matter, atomic and molecular structure, chemical reactions and reactivity, as well as, bonding of ionic versus covalent moieties. Continue to develop skills to analyze and solve quantitative chemical problems that relate to the course content. Continue to use and apply chemical principles to understand chemical concepts found in everyday life. Maintain the ability to communicate effectively in verbal and written manner about chemistry to others. 		



Complete Course Offering Description			
Course Provider	St. James Parish Schools		
Course Title	Advanced Math (Math 1100)		
Louisiana Course Code	160347		
Course Content	This is a dual enrollment course in partnership with River Parish Community College (RPCC) and St. James Parish Schools. As per catalog; topics include complex numbers, quadratic equations, systems of linear equations, functions, graphs, exponential and logarithmic functions.		
	Upon successful completion, students may take the CLEP exam. Prerequisite: Students must have 19 or above on Math Subscore and 18 or above Composite score on either PLAN or ACT or Math 0094 with a "C" or higher or appropriate score on a diagnostic test		
Instructional Modality	Face-to-Face XX	Online	Blended
Required Projects, Papers and Tests	QuizzesHomeworkProjectsTest		
Basis for Developing Student Grades	The student will be ass papers, and test. Grade		g the required projects, scale.
Targeted Student Learning Objectives	 Upon successful completion of this course, the student will be able to: Understand Numerical data Present graphical representations of functional relationships Solve mathematical/word problems using a variety of formats. Solve polynomial, radical, rational, absolute value, exponential and logarithmic equations, and systems of linear equations. Find the roots of polynomials. Find the domain, range, intercepts, and asymptotes of functions. 		



ng Description	
St. James Parish Schools	
Biology II (Biology 1010)	
150302	
Biology II (Biology 1010)	



Instructional Modality	Face-to-Face XX	Online	Blended
Required Projects, Papers and Tests	 Assignmer assignmen 		oral and written rk, quizzes and exams.
Basis for Developing Student Grades	The student will be assessed and graded using the required projects, papers, and test. Grades will be on a 10 point scale.		
Targeted Student Learning Objectives	biology co cell struct biology, bi Analyze, even their own Use composition organize, relevant to Use stand outside re biological Interpret models use Use invest of scientifi	ncepts in the areas of ture and function, otechnology, and evolvaluate and apply the life, to the natural would the technology to accommunicate of fundamental biological and applications to effective literacy; and biological images, and to illustrate generating approximation of the second control of the sec	biological concepts to rld, and to society; cess, retrieve, process, data and information cal concepts; propriate citation of y communicate basic scientific graphs and al biology concepts. propriate to a variety observational science,



Complete Course Offerin	ng Description		
Course Provider	St. James Parish Schools		
Course Title	English Elective I (English 1020)		
Louisiana Course Code	120399		
Course Content	This is a dual enrollment course in partnership with River Parish Community College (RPCC) and St. James Parish Schools. This course is a continuation and further development of material and strategies introduced in ENGL 1010. Primary emphasis is placed upon composition, including research strategies, argumentative writing, evaluation, and analysis. Prerequisite: Pass ENGL 1010 with a "C" or higher.		
Instructional Modality	Face-to-Face XX Online Blended		
Required Projects, Papers and Tests	 Diagnostic Essay (required); At least three major papers that have undergone significant revising and editing (required); At least one of those papers should contain more than one credible outside resource (required); At least one of those papers should contain no fewer than three pages (required); Papers should provide students the opportunity to learn and practice multiple argumentative approaches, which will prove useful in their personal and professional lives. All papers should include research and proper documentation (MLA). Minor in-class and out-of-class assignments; Quizzes; Examinations. 		
Basis for Developing Student Grades	The student will be assessed and graded using the required projects, papers, and test. Grades will be on a 10 point scale.		
Targeted Student Learning Objectives	Upon successful completion of this course, the student will be able to:		
	 Communicate effectively in written English; Read with comprehension; Reason abstractly and think critically; Utilize library/information resources; Learn about and practice analysis and argument; Learn about and properly use MLA format; Incorporate research into writing. 		



Complete Course Offerin	g Description			
Course Provider	St. James Parish Schools			
Course Title	English Elective II (English 2110)			
Louisiana Course Code	120400			
Course Content	This is a dual enrollme Community College (I course is a survey of the particular attention par perspectives.	RPCC) and St. Ja	ames Pai ort stories	rish Schools. This s and novels, with
	 LISTED TOPICS: Introduction to the elements of fiction Introduction to the elements of poetry Introduction to the elements of dramatic literature Literary terminology Basic principles of literary criticism Application of critical thinking and analytical skills in written and oral exercises Prerequisite: Pass English 1020 with a "C" or higher. 			
Instructional Modality	Face-to-Face XX	Online		Blended
Required Projects, Papers and Tests	 At least one major researched and documented paper that is no fewer than three pages (required); In-class and out-of-class assignments; Quizzes; Examinations. 			
Basis for Developing Student Grades	The student will be assessed and graded using the required projects papers, and test. Grades will be on a 10 point scale.		1 1 1	
Targeted Student Learning Objectives	 Upon successful completion of this course, the student will be able to: Communicate effectively in oral and written English; Read with comprehension; Reason abstractly and think critically; Learn independently; Understand the nature of literary and performing arts; Recognize and appreciate cultural diversity; Develop a personal value system while retaining a tolerance for that of others; Utilize library and information resources. 			



Complete Course Offerin	ng Description		
Course Provider	St. James Parish Schools		
Course Title	English III (English 0091)		
Louisiana Course Code	120333		
Course Content	This is a dual enrollment course in partnership with River Parish Community College (RPCC) and St. James Parish Schools. This course is an introductory course in composition designed to help students gain greater proficiency in basic writing and grammar skills. The course assesses the level at which students are writing to discover individual areas of deficiency in writing skills and provides the necessary instruction to help them overcome these deficiencies; thus, the focus tends to be on grammar and mechanical problems. As a result of carefully planned learning experiences, students should be able to write clear, adequately developed, logically-organized, effective paragraphs and short essays which conform to the conventions of standard American English. Its sole focus is to prepare students for the rigors of essay writing in English 1010, English Composition I. This is a college preparatory course and does not apply toward the associate's degree. Prerequisite: Students must have 12 or above on English Subscore and 15 or above Composite score on ACT; or have a 12 or above on English Subscore and 14 or above Composite score on PLAN		urish Schools. This on designed to help ting and grammar students are writing to ing skills and provides ome these deficiencies; nechanical problems. riences, students cloped, logically-ays which conform to h. Its sole focus is to ag in English 1010, paratory course and ove on English a ACT; or have a 12 or
Instructional Modality	Face-to-Face XX	Online	Blended
Required Projects, Papers and Tests	 Chapter tests (required); Writing exercises (required); Exit essay examination computed as 30% of the student's final grade (required); Minor in-class and out-of-class assignments; Quizzes; Examinations. 		
Basis for Developing Student Grades	The student will be assessed and graded using the required projects papers, and test. Grades will be on a 10 point scale. Upon successful completion of this course, the student will be able to: Communicate effectively in written English; Read with comprehension; Reason abstractly and think critically Learn independently Utilize library/information resources;		
Targeted Student Learning Objectives			n English; ally



- Employ a variety of strategies by which to create, shape, and revise a sentence / short paragraph;
- Determine the purpose of a writing task;
- Write focused paragraphs with a clearly stated or implied topic;
- Address a specific audience by adapting content and tone:
- Write a basic thesis statement:
- Develop ideas with specific examples, details, illustrations;
- Write varied, coherent sentences using subordination, coordination, parallelism, and balance;
- Write in standard edited American English, free from major lapses in usage, mechanics and spelling.



Complete Course Offering Description			
Course Provider	St. James Parish Schools		
Course Title	English IV (English 1010)		
Louisiana Course Code	120334		
Course Content	This is a dual enrollment course in partnership with River Parish Community College (RPCC) and St. James Parish Schools. This course introduces students to the critical thinking, reading, writing, and rhetorical skills required in the college/university and beyond, including citation and documentation, writing as process, audience awareness, and effective essay writing. Prerequisite: Students must have 18 or above on English Subscore and 18 or above Composite score on either PLAN or ACT or Pass ENGL 0091 with a "C" or higher or placement by diagnostic test.		
Instructional Modality	Face-to-Face XX	Online	Blended
Required Projects, Papers and Tests			quired); s should contain more esource (required); s should contain no quired); ssigned are as follows: lysis, cause-effect, reports; research methods
Basis for Developing Student Grades	The student will be assessed and graded using the required projects, papers, and test. Grades will be on a 10 point scale.		
Targeted Student Learning Objectives	Upon successful completion of this course, the student will be able to:		
		ate effectively in writter comprehension;	n English;



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Reason abstractly and think critically;
Utilize library/information resources;
 Learn about and practice analysis and argument;
 Learn about and properly use MLA format;
 Incorporate research into writing.



Complete Course Offering Description			
Course Provider	St. James Parish Schools		
Course Title	160351		
Louisiana Course Code	Math Essentials (Math	0094)	
Course Content	This is a dual enrollment course in partnership with River Parish Community College (RPCC) and St. James Parish Schools. The course is designed for students who require additional skills in algebra before taking MATH 1100, College Algebra. The major topics include solving linear equations and inequalities, polynomials and factoring, graphs, rational expressions and roots and radicals. Prerequisites: Math 0093 with a "C" or higher, or placement by diagnostic test		
Instructional Modality	Face-to-Face XX	Online	Blended
Required Projects, Papers and Tests			e material as presented will be turned in the omework will be the material covered all quizzes will be wer will be graded. To enhance skills and assignment. The covered assignment will chapter covered. The west covered as we covered.
Basis for Developing Student Grades	The student will be assessed and graded using the required projects, papers, and test. Grades will be on a 10 point scale.		
Targeted Student Learning Objectives	to: • Solve equations an	functions of polynomials	



Graph linear functions
 Understand rational expressions and complex fractions
• Do arithmetic operations with radicals and complex numbers
• Solve word problems, using formulas and algebraic applications
Solving using the quadratic formula



Numbers II. Radian Measure A. Reference Angle B. Radians and Degrees C. Arc Length, Area of a Sector and Velocities D. Circular Functions III. Graphing Basic Trigonometric Functions A. Basic Graphs B. Amplitude, Reflection, Period, Phase, Vertication and Horizontal Translation C. Graphing y = k + A sin (Bx + C) and y = k + A cos (Bx + C)	Complete Course Offering Description					
Course Content This is a dual enrollment course in partnership with River Parish Community College (RPCC) and St. James Parish Schools. Trigonometric functions and identities, inverse trigonometric functions, graphs, solving triangles, and equations, complex numbers, vectors and polar coordinates. Expanded Course Outline: I. Trigonometric Functions A. Angles and Their Measures B. Trigonometric Functions Definitions C. Right Triangle Trigonometry D. Acute Angle Domains E. Solving Right Triangles F. General Angle and Real Number Domains G. Exact Values for Special Angles and Real Numbers II. Radian Measure A. Reference Angle B. Radians and Degrees C. Arc Length, Area of a Sector and Velocities D. Circular Functions III. Graphing Basic Trigonometric Functions A. Basic Graphs B. Amplitude, Reflection, Period, Phase, Vertication and Horizontal Translation C. Graphing y = k + A sin (Bx + C) and y = k + A cos (Bx + C) D. Graphing More General Tangent, Cotangent Secant, and Cosecant Functions F. Inverse Trigonometric Functions Trigonometric Identities A. Basic Identities B. Proving Identities C. Sum and Difference Identities D. Cofunction Identities	Course Provider	St. James Parish Schools				
This is a dual enrollment course in partnership with River Parish Community College (RPCC) and St. James Parish Schools. Trigonometric functions and identities, inverse trigonometric functions, graphs, solving triangles, and equations, complex numbers, vectors and polar coordinates. Expanded Course Outline: I. Trigonometric Functions A. Angles and Their Measures B. Trigonometric Functions Definitions C. Right Triangle Trigonometry D. Acute Angle Domains E. Solving Right Triangles F. General Angle and Real Number Domains G. Exact Values for Special Angles and Real Numbers II. Radian Measure A. Reference Angle B. Radians and Degrees C. Arc Length, Area of a Sector and Velocities D. Circular Functions III. Graphing Basic Trigonometric Functions A. Basic Graphs B. Amplitude, Reflection, Period, Phase, Vertica and Horizontal Translation C. Graphing y = k + A sin (Bx + C) and y = k + A cos (Bx + C) D. Graphing More General Tangent, Cotangent Secant, and Cosecant Functions E. Inverse Trigonometric Functions Trigonometric Identities A. Basic Identities B. Proving Identities O. Cofunction Identities D. Cofunction Identities	Course Title	Trigonometry (Math 1110)				
Community College (RPCC) and St. James Parish Schools. Trigonometric functions and identities, inverse trigonometric functions, graphs, solving triangles, and equations, complex numbers, vectors and polar coordinates. Expanded Course Outline: I. Trigonometric Functions A. Angles and Their Measures B. Trigonometric Functions Definitions C. Right Triangle Trigonometry D. Acute Angle Domains E. Solving Right Triangles F. General Angle and Real Number Domains G. Exact Values for Special Angles and Real Numbers II. Radian Measure A. Reference Angle B. Radians and Degrees C. Arc Length, Area of a Sector and Velocities D. Circular Functions III. Graphing Basic Trigonometric Functions A. Basic Graphs B. Amplitude, Reflection, Period, Phase, Vertica and Horizontal Translation C. Graphing y = k + A sin (Bx + C) and y = k + A cos (Bx + C) D. Graphing More General Tangent, Cotangent Secant, and Cosecant Functions E. Inverse Trigonometric Functions Trigonometric Identities A. Basic Identities A. Basic Identities C. Sum and Difference Identities C. Sum and Difference Identities D. Cofunction Identities	Louisiana Course Code					
A. Angles and Their Measures B. Trigonometric Functions Definitions C. Right Triangle Trigonometry D. Acute Angle Domains E. Solving Right Triangles F. General Angle and Real Number Domains G. Exact Values for Special Angles and Real Numbers II. Radian Measure A. Reference Angle B. Radians and Degrees C. Arc Length, Area of a Sector and Velocities D. Circular Functions III. Graphing Basic Trigonometric Functions A. Basic Graphs B. Amplitude, Reflection, Period, Phase, Vertical and Horizontal Translation C. Graphing y = k + A sin (Bx + C) and y = k + A cos (Bx + C) D. Graphing More General Tangent, Cotangent Secant, and Cosecant Functions Trigonometric Identities A. Basic Identities B. Proving Identities C. Sum and Difference Identities D. Cofunction Identities	Course Content	Community College (RPCC) and St. James Parish Schools. Trigonometric functions and identities, inverse trigonometric functions, graphs, solving triangles, and equations, complex numbers, vectors and polar coordinates.				
C. Arc Length, Area of a Sector and Velocities D. Circular Functions III. Graphing Basic Trigonometric Functions A. Basic Graphs B. Amplitude, Reflection, Period, Phase, Vertica and Horizontal Translation C. Graphing $y = k + A \sin(Bx + C)$ and $y = k + A \cos(Bx + C)$ D. Graphing More General Tangent, Cotangent Secant, and Cosecant Functions E. Inverse Trigonometric Functions Trigonometric Identities A. Basic Identities B. Proving Identities C. Sum and Difference Identities D. Cofunction Identities		A. Angles and Their Measures B. Trigonometric Functions Definitions C. Right Triangle Trigonometry D. Acute Angle Domains E. Solving Right Triangles F. General Angle and Real Number Domains G. Exact Values for Special Angles and Real Numbers II. Radian Measure A. Reference Angle				
A. Basic Graphs B. Amplitude, Reflection, Period, Phase, Vertical and Horizontal Translation C. Graphing y = k + A sin (Bx + C) and y = k + A cos (Bx + C) D. Graphing More General Tangent, Cotangent Secant, and Cosecant Functions E. Inverse Trigonometric Functions Trigonometric Identities A. Basic Identities B. Proving Identities C. Sum and Difference Identities D. Cofunction Identities		C. Arc Length, Area of a Sector and Velocities				
E. Double-Angle and Half-Angle Identities		A. Basic Graphs B. Amplitude, Reflection, Period, Phase, Vertical and Horizontal Translation C. Graphing $y = k + A \sin(Bx + C)$ and $y = k + A \cos(Bx + C)$ D. Graphing More General Tangent, Cotangent, Secant, and Cosecant Functions E. Inverse Trigonometric Functions Trigonometric Identities A. Basic Identities B. Proving Identities C. Sum and Difference Identities D. Cofunction Identities				
F. Product-Sum and Sum-Product Identities IV. Trigonometric Equations		F. Product-Sum and Sum-Product Identities				



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		A. B.		ving Basic Trigonomet ving Trigonometric Eq des	_
	V.	Triangles	_	,	
		A.		of Sines	
		B.	Law	of Cosines	
		C.	The	Ambiguous Case	
	D. Area of a Triangle VI. Vectors				
		A.	Geo	metric Vectors	
		В.	_	ebraic Vectors	
	VII. Complex Numbers and Polar Coordinates				
		A.		ar Coordinates and Gra	-
		В.	Con For	nplex Numbers in Re ms	ectangular and Polar
		C.	De l	Moivre's Theorem	
		D.	Roo	t of a Complex Numbe	er
	E.				
	Prere	equisite: C	ompl	etion of 1100 with a "C'	or higher
Instructional Modality	Face-	to-Face XX		Online	Blended
Required Projects, Papers		• Tests	(inclu	ding a cumulative final	exam)
and Tests	 Homework Quizzes 				
Basis for Developing	The student will be assessed and graded using the required projects,				
Student Grades	papers, and test. Grades will be on a 10 point scale.				
Targeted Student	_		comp	pletion of this course,	the student will be
Learning Objectives	 Convert angles from degrees to radians and from radians to degrees Correlate radius, arc length, angle measure, and quadrant and solve associated problems Have a working knowledge of the definitions of the 				
	six basic trigonometric functions and their inverse				
	 functions Apply reference angles and reference triangles to find function values of special angles and special values Illustrate the graphs of the six basic trigonometric functions and their inverses, as well as 				
	transformations of these graphs involving vertical				
	and horizontal shifts and changes in period and amplitude				
	 Write and solve problems involving the appl 				ring the application of



transformations of the six basic trigonometric functions and their inverses

• Verify identities and solve trigonometric equations using trigonometric identities

• Solve triangles and geometric vector problems using the Laws of Sines and the Law of Cosines

• Apply the rules and definition of algebraic vectors to vector problems

• Convert rectangular coordinates to and from polar

coordinates and sketch a graph in polar coordinates



Complete Course Offeri	ng Description			
Course Provider	St. James Parish Schools			
Course Title	US History (History 2020)			
Louisiana Course Code	220403			
Course Content	This is a dual enrollment course in partnership with River Parish Community College (RPCC) and St. James Parish Schools. A survey of United States history from 1865 to the present.			
	Expanded Course Outline	:		
	 I. Reconstruction II. The Gilded Age III. The American West IV. Imperial America V. The Progressive Era VI. America and the Great War VII. Roaring 1920s, Great Depression, and the New Deal VIII. World War II IX. Cold War X. JFK, Vietnam, and the 1960s XI. The 1970s Crisis in the Presidency XII. Reagan Prerequisite: Students must have 18 or above Composite score on either PLAN or ACT. 			
Instructional Modality	Face-to-Face XX Online	Blended		
Required Projects, Papers and Tests	 Test Exams Essays 			
Basis for Developing Student Grades	The student will be assessed and graded using the required projects, papers, and test. Grades will be on a 10 point scale.			
Targeted Student Learning Objectives	 Upon successful completion of this course, the student will be able to: Demonstrate knowledge of important historical events and people in the nineteenth and twentieth century periods of American history; Locate and retrieve historical data relevant to the peoples, events, movements and institutions covered in the course material; 			



Comprehend a primary source document created within the culture/time span of the course; and
 Compose an essay examining germane events (examples: historical political, military, religious, social, economic, or cultural events of significance) that is properly structured, clearly stated, factually

precise, and complete in form.