

ECH Programs of Study and Course Descriptions

ECH Core Courses		
ENGLISH	ENGLISH	MATHEMATICS
<p>English I College Preparatory 301102CW Prerequisite: None Credit: 1 Unit This course provides a comprehensive study of literature, grammar, composition, vocabulary development, speaking, listening skills, and reference skills. Students must complete a research project. The South Carolina End-of-Course exam will be given to all students.</p> <p>English II College Preparatory 301202CW Prerequisite: English I Credit: 1 Unit This course will continue to build on the skills acquired in English I, with continued focus on literary analysis, interpretation of purpose within a variety of communication formats, extensive reading within different genres, and development of a personal voice in writing.</p> <p>English III College Preparatory 301302CW Prerequisite: English II CP Credit: 1 Unit This course offers an in-depth study of American literature beginning with the Native American period. Students will refine skills in the areas of literary analysis, grammar, composition, research, vocabulary development, and public speaking. In order to receive credit for the course, students must successfully complete a research paper/project.</p> <p>English IV College Preparatory 301402CW Prerequisite: English III Credit: 1 Unit This course offers an in-depth study of British literature. Literary criticism, expository and persuasive writing, critical thinking, vocabulary, and research are emphasized. In order to receive credit for this course students must successfully complete a research paper.</p> <p>ENG 101 English Composition I 3-0-3 Prerequisites: ENG 100 (minimum grade of C) or appropriate placement scores Credit: 1 Unit This course in presents the following topics: a study of composition in conjunction with appropriate literary selections, with frequent theme assignments to reinforce effective writing. A review of standard usage and the basic techniques of research are presented. <i>This course is transferable to public senior institutions as part of the SC Commission on Higher Education Statewide Articulation Agreement.</i></p>	<p>ENG 102 English Composition II Prerequisites: ENG 101 (minimum grade of C) or appropriate placement scores Credit: 1 Unit This course presents the following topics: development of writing skills through logical organization, effective style, literary analysis and research. An introduction to literary genre is also included. <i>This course is transferable to public senior institutions as part of the South Carolina Commission on Higher Education Statewide Articulation Agreement.</i></p> <p>ENG 201 American Literature I 3-0-3 Prerequisites: ENG 102 Credit: 1 Unit This course is a study of American literature from the colonial period to the civil war. <i>This course is transferable to public senior institutions as part of the South Carolina Commission on Higher Education Statewide Articulation Agreement.</i></p> <p>ENG 202 American Literature II 3-0-3 Prerequisites: ENG 102 Credit: 1 Unit This course is a study of American literature from the civil war to the present. <i>This course is transferable to public senior institutions as part of the South Carolina Commission on Higher Education Statewide Articulation Agreement.</i></p> <p>ENG 205 English Literature I 3-0-3 Prerequisites: ENG 102 Credit: 1 Unit This course presents the following topics: the study of English literature from the old English period to the romantic period with emphasis on major writers and periods. <i>This course is transferable to public senior institutions as part of the South Carolina Commission on Higher Education Statewide Articulation Agreement.</i></p> <p>ENG 206 English Literature II 3-0-3 Prerequisites: ENG 102 Credit: 1 Unit This course presents the following topics: the study of English literature from the romantic period to the present, with emphasis on major writers and periods. <i>This course is transferable to public senior institutions as part of the SC Commission on Higher Education Statewide Articulation Agreement.</i></p>	<p>Algebra 1 411104CW Prerequisite: None Credit: 1 Unit This course focuses on the development of your ability to use a variety of representations, tools, and technologies to model mathematical situations in order to solve meaningful problems. The course topics include generalizations, algebraic symbols, matrices, algebraic expressions in problem-solving situations, relationships, equations, in equalities, interpretations, linear functions, systems of linear equations, quadratic functions and data representations. The state Algebra 1 end-of-course test will be given at the completion of the course.</p> <p>Geometry 412102CW Prerequisite: Algebra 1 Credit: 1 Unit This course is the mathematical study of shapes, their properties, and their relationships. Emphasis is placed on student discovery and exploration and on formulating and defending conjectures. Geometry includes an in-depth study of reasoning, polygons, congruence, similarity, right triangles, circles, area, volume, and transformations.</p> <p>Algebra 2 411202CW Prerequisite: Geometry Credit: 1 Unit This course is an in-depth study of functions, patterns, relations, and concepts of number systems. This includes linear, quadratic, exponential, absolute value, radical, and rational functions. Conic sections are also addressed.</p> <p>Algebra 3 Trigonometry 411302CW Prerequisite: Algebra 2 Credit: 1 Unit This course is an extension of concepts taught in earlier courses with emphasis on applications of polynomial, rational, exponential, logarithmic, trigonometric functions. Emphasis is on active participation through modeling, technology lab activities, group activities, and communication in mathematics. This course is a logical choice for students preparing for college level mathematics.</p>

MATHEMATICS	MATHEMATICS	SCIENCES
<p>Probability & Statistics 414102CW Corequisite: Algebra II Credit: 1 Unit In this course, you will learn the fundamental principles of probability and statistics and apply these principles to data analysis. The course topics include foundations of data analysis, univariate data displays, interpret graphical display, bivariate data and scatter plots, basic probability concepts and applications, probability distributions, statistical inference, hypothesis testing, and project design.</p> <p>MAT 101 Beginning Algebra Prerequisites: Appropriate placement scores Credit: 1 Unit This course includes the following topics: operations with signed numbers; addition, subtraction, multiplication and division with algebraic expressions; factoring; techniques for solving linear and fractional equations; and an introduction to graphing.</p> <p>MAT 102 Intermediate Algebra Prerequisites: MAT 101 (minimum grade of C) or appropriate placement scores Credit: 1 Unit This course includes the following topics: properties of numbers; fundamental operations with algebraic expressions; polynomials; systems of equations; ratio & proportion; factoring; functions; graphs; solutions of linear inequalities; & linear & quadratic equations.</p> <p>MAT 110 College Algebra Prerequisites: MAT 102 (minimum grade of C) or appropriate placement scores Credit: 1 Unit This course includes the following topics: polynomial, rational, logarithmic, and exponential functions; inequalities; systems of equations and inequalities; matrices; determinants; and solutions of higher degree polynomials. <i>This course is transferable to public senior institutions as part of the SC Commission on Higher Education Statewide Articulation Agreement.</i></p> <p>MAT 111 College Trigonometry Prerequisites: MAT 110 (minimum grade of C) or appropriate placement scores Credit: 1 Unit This course includes the following topics: circular functions; trigonometric identities; solution of right and oblique triangles; solution of trigonometric equations; polar coordinates; complex numbers including DeMoivre's Theorem; vectors; conic sections; sequences; and series. <i>This course is transferable to public senior institutions as part of the SC Commission on Higher Education Statewide Articulation Agreement.</i></p>	<p>MAT 120 Probability and Statistics Prerequisites: MAT 101 or MAT 110(minimum grade of C) or appropriate placement scores Credit: 1 Unit This course includes the following topics: introductory probability and statistics, including organization of data, sample space concepts, random variables, counting problems, binomial and normal distributions, central limit theorem, confidence intervals, and test hypothesis for large and small samples; types I and II errors; linear regression; and correlation. <i>This course is transferable to public senior institutions as part of the SC Commission on Higher Education Statewide Articulation Agreement.</i></p> <p>MAT122 Finite College Mathematics Prerequisites: MAT 101(minimum grade of C) or appropriate placement scores Credit: 1 Unit This course is a university parallel transfer course that covers: logic; sets; Venn diagrams; counting problems; probability; matrices; systems of equations; linear programming, including the simplex method and applications; graphs; and networks. <i>This course is transferable to public senior institutions as part of the SC Commission on Higher Education Statewide Articulation Agreement.</i></p> <p>MAT 130 Elementary Calculus Prerequisites: MAT 110 or MAT 176 (minimum grade of C) or appropriate placement scores Credit: 1 Unit This course includes the following topics: differentiation and integration of polynomials; rational, logarithmic, and exponential functions; and interpretation and application of these processes. <i>This course is transferable to public senior institutions as part of the SC Commission on Higher Education Statewide Articulation Agreement.</i></p>	<p>Physical Science 321102CW Prerequisite: None Credit: 1 science credit This course is an introductory course in which you explore natural laws and scientific principles as they relate to the topics of physics and chemistry. Concepts include measurement, analyzing and graphing data, properties of matter, forms of energy, and the interaction of matter and energy. Concepts are reinforced by numerous laboratory demonstrations and investigations. This course is not recognized as a lab science by most colleges. Students must take the SC Physical Science End-of-Course test.</p> <p>Biology I 322102CW Prerequisite: Physical Science Credit: 1 lab science credit This lab science course includes a study of living things and their interrelationships, levels of biological organization, human biology, and social implications. Laboratory investigations reinforce the understanding of living things, their functions, and their interdependence.</p> <p>Chemistry 323102CW Prerequisite: Algebra 2 and Physical Science Credit: 1 lab science credit This course includes a study of the structure and organization of matter, chemical bonding, chemical equilibrium, chemical reactions, and environmental effects.</p> <p>Anatomy & Phsiology Prerequisites: Biology Credit: ½ Unit A study of the body as an integrated whole. All body systems are studied.</p> <p>BIO 101 Biological Science Prerequisites: Appropriate placement scores Credit: 1 Unit This course is a study of the scientific method, basic biochemistry, cell structure and function, cell physiology, cell reproduction and development, Mendelian genetics, population genetics, natural selection, evolution and ecology. <i>This course is transferable to public senior institutions as part of the South Carolina Commission on Higher Education Statewide Articulation Agreement.</i></p>

SCIENCES	SOCIAL STUDIES	SOCIAL STUDIES
<p>BIO 102 Biological Science II Prerequisites: Appropriate placement scores Credit: 1 Unit This course is a study of the classification of organisms and structural and functional considerations of all Kingdoms (Particularly major phyla as well as viruses). Vertebrate animals and vascular plants are emphasized. <i>This course is transferable to public senior institutions as part of the South Carolina Commission on Higher Education Statewide Articulation Agreement.</i></p> <p>BIO 112 Basic Anatomy & Physiology Prerequisites: None Credit: 1 Unit This course is a basic integrated study of the structure and function of the human body.</p> <p>BIO 210 Anatomy and Physiology I 3-3-4 Prerequisites: BIO 101 or BIO 102 or BIO 112 or CHM 110 with —C or better Credit: 1 This is the first in a sequence of courses, including intensive coverage of the body as an integrated whole. All body systems are studied. <i>This course is transferable to public senior institutions as part of the SC Commission on Higher Education Statewide Articulation Agreement.</i></p> <p>CHM 110 College Chemistry I Prerequisites: None Credit: 1 Unit This university parallel transfer course is the first course in a sequence which includes the following topics: Study of atomic and molecular structure, nomenclature and equations, properties, reactions and states of matter, stoichiometry, gas laws, solutions and equilibria. <i>This course is transferable to public senior institutions as part of the SC Commission on Higher Education Statewide Articulation Agreement.</i></p> <p>CHM 111 College Chemistry II Prerequisites: CHM 110 (minimum grade of C) Credit: 1 Unit (For students continuing in chemistry) This university parallel course is a continuation of the study of atomic and molecular structure, nomenclature and equations, properties, reactions and states of matter, stoichiometry, gas laws, solutions, and equilibria. Other topics included are kinetics, thermodynamics and electrochemistry. <i>This course is transferable to public senior institutions as part of the SC Commission on Higher Education Statewide Articulation Agreement.</i></p>	<p>Civics for the 21st Century 333502CW Prerequisites: None Credit: 1 Unit The focus of Civics for the 21st Century is to explore the foundations of the American political system and the basic values and principles of American Democracy. Students explore the Civil Rights movement from past to present which will lead into the structure of the federal, state, and local government as outlined by the US Constitution. They will exercise their roles, rights, and responsibilities as citizens by identifying an issue in the community, researching current public policies, writing their own public policy, and creating an action plan to get it passed. Students will study our ever changing economy and learn about the basic principles of money through a financial literacy project where they will create budgets, calculate income, and understand the value of insurance, credit cards, student loans, and debt.</p> <p>U.S. History and the Constitution 332002CW Credit: 1 Unit This survey course covers the social, economic and political developments in the United States from the earliest settlement of North America to the present. This span includes the Native Americans, establishment of colonies, creation of a new nation, the U.S. Constitution, territorial expansion to the West, Civil War and Reconstruction, industrialization and immigration of the late nineteenth century, and our nation's role in world affairs in the twentieth and twenty-first centuries. Students will analyze historical documents, understand varying viewpoints, and evaluate the historical interpretation of others. This course is required for graduation. The SC EOC will be given to all students.</p> <p>Government and Economics 3398A2CW Credit: 1 Unit Government and economics is a rigorous course designed Nine weeks will deal with the U.S. National Government. Students will primarily examine the operation of major American institutions such as the Presidency, the National courts, and Congress. Civil rights, civil liberties and civic responsibilities will also be discussed. The other nine weeks will deal with Economics. Its goal is to increase students' financial literacy and to study the structure of the American economic system. The focus is on economic principles, with an</p>	<p>emphasis on the efficient allocation of resources through the market forces of demand and supply.</p> <p>American Government 333001CH Credit: ½ Unit This course will focus on the Constitution; political beliefs and behaviors; political parties, interest groups, and mass media; the Congress, presidency, bureaucracy, and the federal courts; public policy; and civil rights and liberties.</p> <p>Economics 3350W2CH Credit: ½ Unit This one semester course explores the choices and decisions that people make about how to use the world's limited resources. The goal of this course is to equip the student with knowledge that is strongly rooted in economic principles so that the students will be able to differentiate between economic models, understand issues pertaining to global and national economics, gain insight into choices that businesses must make, and learn the importance of managing personal finances and planning for ones future financial security.</p> <p>HIS 201 American History: Discovery to 1877 Prerequisites: Appropriate placement scores Credit: 1 Unit This course is a survey of U.S. history from discovery to 1877. This course includes political, social, economic and intellectual developments during this period. <i>This course is transferable to public senior institutions as part of the South Carolina Commission on Higher Education Statewide Articulation Agreement.</i></p> <p>HIS 202 American History: 1877-Present Prerequisites: Appropriate placement scores Credit: 1 Unit This course is a survey of U.S. history from 1877 to the present. This course includes political, social, economic and intellectual developments during this period. <i>This course is transferable to public senior institutions as part of the SC Commission on Higher Education Statewide Articulation Agreement.</i></p>

SOCIAL STUDIES	SOCIAL STUDIES	FOREIGN LANGUAGE
<p>HIS 101 Western Civilization to 1689 Prerequisites: Appropriate placement scores Credit: 1 Unit This course is a survey of western civilization from ancient times to 1689, including the major political, social, economic and intellectual factors shaping western cultural tradition. <i>This course is transferable to public senior institutions as part of the SC Commission on Higher Education Statewide Articulation Agreement. 264</i></p> <p>PSY 201 General Psychology Prerequisites: Appropriate placement scores Credit: 1 Unit This course includes the following topics and concepts in the science of behavior: scientific method, biological basis for behavior, perception, motivation, learning, memory, development, personality, abnormal behavior, therapeutic techniques and social psychology. <i>This course is transferable to public senior institutions as part of the SC Commission on Higher Education Statewide Articulation Agreement. 294</i></p> <p>PSY 203 Human Growth & Development Prerequisites: PSY 201 Credit: 1 This course is a study of the physical, cognitive and social factors affecting human growth, development and potential. <i>This course is transferable to public senior institutions as part of the SC Commission on Higher Education Statewide Articulation Agreement.</i></p> <p>PSY 212 Abnormal Psychology Prerequisites: PSY 201 Credit: 1 Unit This course is a study of the nature and development of behavioral disorders, including the investigation of contemporary treatment procedures. <i>This course is transferable to public senior institutions as part of the SC Commission on Higher Education Statewide Articulation Agreement.</i></p>	<p>SOC 101 Introduction to Sociology Prerequisites: Appropriate placement scores Credit: 1 Unit This course emphasizes the fundamental concepts and principles of sociology, including culture, socialization, interaction, social groups and stratification, effects of population growth and technology in society and social institutions. <i>This course is transferable to public senior institutions as part of the SC Commission on Higher Education Statewide Articulation Agreement.</i></p> <p>SOC 102 Marriage and the Family 3-0-3 Prerequisites: Appropriate placement scores Credit: 1 Unit This course introduces the institution of marriage and the family from the sociological perspective. Significant forms and structures of family groups are studied in relation to current trends and social change. <i>This course is transferable to public senior institutions as part of the SC Commission on Higher Education Statewide Articulation Agreement.</i></p> <p>SOC 205 Social Problems 3-0-3 Prerequisites: SOC 101 Credit: 1 Unit This course is a survey of current social problems in America, stressing the importance of social change and conflicts as they influence perceptions, definitions, etiology, and possible solutions. <i>This course is transferable to public senior institutions as part of the SC Commission on Higher Education Statewide Articulation Agreement.</i></p>	<p>SPA 101 Elementary Spanish I Prerequisites: Appropriate placement scores Credit: 1 Unit This course is a study of the four basic language skills: listening, speaking, reading and writing, including an introduction to the Spanish culture. <i>This course is transferable to public senior institutions as part of the SC Commission on Higher Education Statewide Articulation Agreement.</i></p> <p>SPA 102 Elementary Spanish II 4-0-4 Prerequisites: SPA 101 with grade of –C or better Credit: 1 Unit This course continues development of the basic language skills and the study of the Spanish culture. <i>This course is transferable to public senior institutions as part of the SC Commission on Higher Education Statewide Articulation Agreement.</i></p> <p>FRE 101 Elementary French I Prerequisites: Appropriate placement scores Credit: 1 Unit This course consists of a study of the four basic language skills: listening, speaking, reading and writing, including an introduction to French culture. <i>This course is transferable to public senior institutions as part of the SC Commission on Higher Education Statewide Articulation Agreement.</i></p> <p>FRE 102 Elementary French II Prerequisites: FRE 101 with grade of –C or better Credit: 1 Unit This course continues the development of basic language skills and includes a study of French culture. <i>This course is transferable to public senior institutions as part of the SC Commission on Higher Education Statewide Articulation Agreement.</i></p>

ELECTIVES	ELECTIVES	ELECTIVES
<p><u>AVID 101 & 102</u> Credit: 1 unit per semester Freshmen: Emphasizes the development of organizational and study and test-taking skills to ensure success in core academic studies. Instruction in vocabulary development and critical reading strategies are a focus.</p> <p><u>AVID 201 & 202</u> Credit: ½ unit per semester Sophomores: Emphasizes the refinement of students' organizational and study test-taking skills to ensure success in core academic studies. Instruction includes a focus on "writing to learn" and provides continued practice in vocabulary development and in using critical reading strategies.</p> <p><u>AVID 301 & 302</u> Credit: ½ unit per semester Juniors: Emphasizes college awareness and the use of academic survival skills, critical reading strategies, oral communication skills, and the writing process for success in college level courses. Preparation for taking college entrance exams and college selection is also a focus.</p> <p><u>AVID 401 & 402</u> Credit: ½ unit per semester Seniors: Emphasizes college readiness skills to include critical reading strategies, college testing and selection, completing college and scholarship applications, college-level writing and college essays, and understanding college costs and the financial aid process.</p> <p><u>AVID Literacy</u> Credit: ½ unit per semester This course emphasizes improving college readiness skills in the areas of reading and writing. Students engage in critically reading fiction and nonfiction selections and practice increasing written communication skills.</p>	<p><u>AVID Numeracy</u> Credit: ½ unit per semester This course focuses on increasing college readiness skills in basic mathematics skills. Real-life application of mathematics is emphasized.</p> <p><u>Public Speaking</u> Credit: ½ unit per semester This course is an introduction to success in speaking in front of small and large audiences. Elements include basics of oral communication and speech preparation and delivery.</p> <p><u>Advanced Grammar & Composition</u> Credit: ½ unit per semester This course provides opportunities to increase written communication skills by providing review of grammar and usage, mechanics of punctuation, spelling and capitalization, sentence planning, organizing, drafting, and editing and revising.</p> <p><u>Leadership Development</u> Credit: 1/2 unit elective Emphasizes leadership skills, goal setting, effective communication, group dynamics, human relations, problem solving, decision making, time management and stress reduction. Students will be required to perform school and community service.</p>	