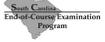


ECH Programs of Study and Course Descriptions

ENGLISH	ENGLISH	MATHEMATICS
<p>English I College Preparatory 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.</p> <p>English II College Preparatory Prerequisite: English I Credit: 1 Unit This course will continue to build on the skills acquired in English I, with a 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. The South Carolina End-of-Course exam will be given to all students.</p> <p>English III College Preparatory Prerequisite: English II 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 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 155 English Composition Prerequisites: ENG 100 (minimum grade of C) or appropriate placement scores Credit: 1 Unit This course introduces the principles of expository writing and public speaking through practice and development of communication skills.</p> <p>ENG 101 English Composition Prerequisites: ENG 100 (minimum grade of C) or appropriate placement scores Credit: 1 Unit This is a (college transfer) course in which the following topics are presented: 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 also presented.</p>	<p>ENG 102 English Composition II Prerequisites: ENG 101 (minimum grade of C) Credit: 1 Unit This is a (college transfer) course in which the following topics are presented: development of writing skills through logical organization, effective style, literary analysis and research. An introduction to literary genre is also included.</p> <p style="text-align: center;">MATHEMATICS</p> <p>Algebra 1 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, inequalities, 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 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 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 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>	<p>Probability & Statistics 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: ACCUPLACER scores Credit: 1 Unit (non-transferable) This course includes techniques and applications of the following topics: properties of and operations with real numbers, elementary algebra, consumer mathematics, applied geometry, measurement, graph sketching and interpretations, and descriptive statistics.</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 110 College Algebra Prerequisites: MAT 101 (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.</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.</p>

SCIENCE	SCIENCE	SOCIAL STUDIES
<p>Physical Science 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.</p> <p> Biology I 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. Students must take the SC Biology End-of-Course test.</p> <p>Chemistry 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 & Physiology Prerequisite: Biology Credit: 1 Unit This course involves the study of the human body's form and function. In addition to all body systems that will be studied, medical terminology, diseases, and health care careers will be explored.</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.</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.</p> <p>SOCIAL STUDIES</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>	<p>U.S. History and the Constitution 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>American Government 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 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>

FOREIGN LANGUAGE	ELECTIVES & AVID	REQUIRED
<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 Prerequisites: SPA 101 with a grade of —C or better Credit: 1 Unit This course continues the development of 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>SPA 201 Prerequisites: SPA 102 with a grade of —C or better This course is a review of Spanish grammar with attention given to more complex grammatical structures and reading difficult prose.</p>	<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>PE 1 Personal Fitness/Comprehensive Health Credit: 1 unit This course will provide a wide array of topics related to health, physical fitness and how to establish a high quality life-style. Students will be involved in a wide range of fitness activities, learn how to assess their own health and fitness levels, and participate in a variety of team sports and lifetime activities. PE 1 is a required course to receive a high school diploma. All five standards set up by the state of South Carolina must be passed in order to receive credit for the course.</p> <p><u>Public Speaking</u> Credit: ½ unit elective 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>Leadership Development</u> Credit: ½ 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> <p>Creative Writing Credit: ½ Elective Credit This course is designed to help improve skills in creative writing in the areas of poetry, short story, drama, and nonfiction. Students should enjoy writing and will be encouraged to enter contests and submit writing for publications.</p>