

## ELECTIVE DUAL CREDIT COURSES

Dual Credit courses can be taken for elective credit only. They are each **one half unit of honors-level credit**. Students must obtain prior principal approval. See your counselor for more information.

### *(Greenville Technical College)*

- COL103**     **College Success Skills**     **380102DH**  
 This course gives you the keys to becoming an active and confident learner. You will develop note-taking skills; study skills; general test taking strategies; time management for busy students; and how to get the most out of your textbook.
- ENG101**     **English Composition I**     **380202DH**  
 A study of composition in conjunction with appropriate literary selections and frequent theme assignments with emphasis on argumentation. Oral presentations and an autobiographical project are included.
- ENG102**     **English Composition II**     **380302DH**  
 A 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 also is included.
- HIS101**     **Western Civilization to 1689**     **380402DH**  
 A survey of western civilization from ancient times to 1689, including the major political, social, economic and intellectual factors shaping western cultural tradition.
- HIS102**     **Western Civilization post 1689**     **380502DH**  
 A survey of western civilization from 1689 to the present, including major political, social, economic and intellectual factors which shape the modern western world.
- HIS201**     **American History: Discovery to 1877**     **380602DH**  
 A survey of U.S. history from discovery to 1877. It includes political, social, economic and intellectual developments during this period.
- HIS202**     **American History: 1877 to Present**     **380702DH**  
 A survey of U.S. history from 1877 to the present. It includes political, social, economic and intellectual developments during this period.
- MAT110**     **College Algebra**     **380802DH**  
 Polynomial, rational logarithmic and exponential functions, inequalities, systems of equations and inequalities, matrices, determinants, simple linear programming, solutions of higher degree polynomials, combinatorial algebra including the binomial theorem and introduction to probability.
- MAT120**     **Probability and Statistics**     **380902DH**  
 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 tests of hypotheses for large and small samples; types I and II errors; linear regression; and correlation.
- MAT130**     **Elementary Calculus**     **381002DH**  
 Differentiation and integration of polynomial, rational, logarithmic and exponential functions, with interpretation and application of these processes.
- MAT140**     **Analytical Geometry and Calculus I**     **381102DH**  
 Derivatives and integrals of polynomials, rational, logarithmic, exponential, trigonometric and inverse trigonometric functions, curve sketching, maxima and minima of functions, related rates, work and analytic geometry.
- MAT141**     **Analytical Geometry & Calculus II**     **381202DH**  
 Continuation of calculus of one variable to include analytic geometry, techniques of integration, volumes by integration and other applications, infinite series including Taylor series and improper integrals.

- MAT220**     **Advanced Statistics**     **381302DH**  
 Estimation of parameters, formulation and testing of hypotheses, multiple and nonlinear regression, correlation, contingency tables, analysis of variance, use of F and chi-square distributions, introduction to nonparametric statistics and special distributions.
- AST101**     **Solar System Astronomy**     **381402DH**  
 A descriptive survey of the universe with emphasis on basic physical concepts and the objects in the solar system. Related topics of current interest are included.
- BIO101**     **Biological Science I**     **381502DH**  
 The first of a sequence introducing biology. Topics include the scientific method, basic biochemistry, cell structure and function, cell physiology, cell reproduction and development, mendelian genetics, population genetics, natural selection, evolution and ecology.
- BIO102**     **Biological Science II**     **381602DH**  
 A continuation of BIO 101 which includes 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.
- BIO210**     **Anatomy and Physiology I**     **381702DH**  
 The first in a sequence of courses, including an intensive coverage of the body as an integrated whole. All body systems will be studied.
- BIO211**     **Anatomy and Physiology II**     **381802DH**  
 A continuation of BIO 210, including intensive coverage of the body as an integrated whole. All body systems will be studied.
- CHM110**     **College Chemistry I**     **381902DH**  
 The first in a sequence which includes the following topics: atomic and molecular structure, nomenclature and equations, properties, reactions and states of matter, stoichiometry, gas laws, solutions and equilibria.
- CHM111**     **College Chemistry II**     **382002DH**  
 A continuation of CHM 110. Topics include kinetics and equilibrium, thermodynamics, electrochemistry, inorganic chemistry and an introduction to organic chemistry.
- PHY201**     **Physics I**     **382102DH**  
 The first in a sequence of courses. Topics include a trigonometry-based treatment of mechanics, wave motion, sound and heat.
- PHY 202**     **Physics II**     **382202DH**  
 A continuation of PHY 201. Topics include wave motion, sound, heat, electromagnetism, optics and modern physics.
- PSC201**     **American Government**     **382302DH**  
 A study of national governmental institutions with emphasis on the constitution, the functions of executive, legislative and judicial branches, civil liberties, and role of the electorate.
- PSY201**     **General Psychology**     **382402DH**  
 Includes the following topics: an introduction to the basic theories and concepts in the science of behavior, scientific method, and biological basis for behavior.
- SOC101**     **Introduction to Sociology**     **382502DH**  
 A study of family dynamics that 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.
- EGR271**     **Engineering Seminar\***     **382602DH**  
 A pre-engineering university transfer course. A study of the professionalism, ethics, safety, and career planning in the engineering fields.
- LEG213**     **Family Law\***     **382702DH**  
 Includes an examination of the laws of marriage, divorce, annulment, separation, adoption, custody and the juvenile, and the role of the paralegal.     *\*indicates limited transferability*

*(University of South Carolina)*

**PSYH101**                    **Psychology 101 (Honors)**                    **382802DH**  
**Grade Level:**            11-12  
**Prerequisites:**        SAT of 1100 or higher, GPA of 3.0 or higher, Instructor approval

This course emphasizes the study of psychology as a behavioral science. Topics include the brain and nervous system, perception, conditioning, personality, human growth and development, and abnormal behavior. Televised and guest lectures will be a part of the course. The student must purchase the college textbook and pay a University of South Carolina fee for the course. See the instructor for details.

**GOVH201**                    **Introduction to American Government and Politics (Honors)**    **382902DH**  
**Grade Level:**            12  
**Prerequisites:**        SAT of 1100 or higher, GPA of 3.0 or higher, Instructor approval

This course deals with the nature of the American government and political systems, their development over the past 200 years, and how they work in this era. The goal of the course is to increase understanding of the American system, its traditions, its framework, its component elements, and how they fit together for the eventual formation of public policy. The student must purchase the college textbook and pay a University of South Carolina fee for the course. See the instructor for the details.

**ACJU101**                    **American Criminal Justice System (Honors)**                    **383102DH**  
**Grade Level:**            11-12  
**Prerequisites:**        Instructor approval

This course examines the civic responsibilities of all members of society and introduces students to various careers in the criminal justice field. Students may be required to pay a tuition and text fee at registration. There will be a service-learning component.

*(See your counselor for sponsoring college information)*

**TCCADTH**                    **Teacher Cadet College Credit (Honors)**                    **383002DH**  
**Grade Levels**            12  
**Prerequisite**            Application and Teacher recommendation

This is a dual credit course supervised by the South Carolina Center for Teacher Recruitment and awarding college credit. This program is considered an introduction to the teaching profession. Its main purpose is to encourage students who possess a high level of academic achievement and the personality traits found in good teachers to consider teaching as a career. The course is taught at a college freshman level and the curriculum includes activities designed to excite students about teaching. Students are introduced to the teaching profession and the educational field through class discussions, observation and participation in public school classrooms, and interactions with successful professional educators. Whether or not a student is interested in teaching, this program will provide talented future community leaders with insights into public education.