

**Articulation Agreement
Between
Emmanuel College and Athens Technical College**

Emmanuel College will accept credit for selected courses from Athens Technical College (ATC) in the manner indicated below. Emmanuel agrees to accept transfer of these courses for a period no less than 2 years from the date on which the courses were completed at ATC. Emmanuel reserves the right to alter or terminate this agreement at any time by giving written notice to the administration of ATC. Should Emmanuel give such written notice, Emmanuel will still honor its two-year commitment to accept transferred courses that were started on or before the written notice of alteration/termination.

ATC Number*	ATC Course Title	EC Number	ATC Course Description (with current course numbers)
ACCT 1100/1105	Financial Accounting I and II	BU 260	ACCT 1100 Financial Accounting I (3-2-4) This course introduces the basic financial accounting concepts of the complete accounting cycle and provides students with the necessary skills to maintain a set of books for a sole proprietorship. Topics include accounting vocabulary and concepts, the accounting cycle for a personal service business, the accounting cycle for a merchandising business, inventory, cash control, and receivables. Laboratory work demonstrates theory presented in class. ACCT 1105 Financial Accounting II (3-2-4) This course introduces the intermediate financial accounting concepts that provide students with the necessary skills to maintain a set of books for a partnership and corporation. Topics include fixed and intangible assets, current and long-term liabilities (notes payable), payroll, accounting for a partnership, accounting for a corporation, statement of cash flows, and financial statement analysis. Laboratory work demonstrates theory presented in class.
ACCT 1110	Managerial Accounting	BU 264	ACCT 1110 Managerial Accounting (2-2-3) This course emphasizes the interpretation of data by management in planning and controlling business activities. Topics include managerial accounting concepts, manufacturing accounting using a job order cost system, manufacturing accounting using a process cost system, cost behavior and cost-volume-profit, budgeting and standard cost accounting, flexible budgets, standard costs and variances, and capital investment analysis and budgeting. Laboratory work demonstrates theory presented in class.
ACCT 1115	Computerized Accounting	BU Elective	ACCT 1115 Computerized Accounting (1-4-3) This course emphasizes the operation of computerized accounting systems from manual input forms. Topics include company creation (service and merchandising), chart of accounts, customers' transactions, vendors' transactions, banking activities, merchandise inventory, employees and payroll, and financial reports. Laboratory work includes theoretical and technical application.
ACCT 1125	Individual Tax Accounting	BU Elective	ACCT 1125 Individual Tax Accounting (2-2-3) This course provides instruction for the preparation of individual federal income tax returns. Topics include taxable income, income adjustments, schedules, standard deductions, itemized deductions, exemptions, tax credits, and tax calculations.
ACCT 2145	Personal Finance	BU 285	ACCT 2145 Personal Finance (3-0-3) This course introduces practical applications of concepts and techniques used to manage personal finance. Topics include cash management, time value of money, credit, major purchasing decisions, insurance, investments, retirement, and estate planning.
ACCT 2140	Legal Environment of Business	BU 310	ACCT 2140 Legal Environment of Business (3-0-3) This course introduces law and its relationship to business. Topics include legal ethics, legal processes, business contracts, business torts and crimes, real and personal property, agency and employment, risk-bearing devices, and Uniform Commercial Code.
ARTS 1101	Art Appreciation	Humanities Elective	ARTS 1011 Art Appreciation (3-0-3) This course explores human creativity through the study of the visual arts (architecture, sculpture, and painting) within a cultural and historical context. The course provides a foundation for art appreciation by introducing students to the aesthetic, critical, and technical aspects of the major art forms and media. The course increases students' perceptual awareness and responsiveness to art through discussion, critical writing, special projects, and/or in-class experiments with various media.

BIOL 1111/1111L	Biology I AND Lab	SC 111	BIOL 1111 Biology I (3-0-3) This course provides an introduction to basic biological concepts with a focus on living cells. Topics include chemical principles related to cells, cell structure and function, energy and metabolism, cell division, protein synthesis, genetics, and biotechnology. BIOL 1111L Biology I Lab (0-3-1) This course includes selected laboratory exercises paralleling the topics in BIOL 1111. The laboratory exercises for this course include chemical principles related to cells, cell structure and function, energy and metabolism, cell division, protein synthesis, genetics, and biotechnology. Students must pay a \$25 supply fee when registering for this course.
BIOL 1112/1112L	Biology II AND Lab	SC 112	BIOL 1112 Biology II (3-0-3) This course provides an introduction to basic evolutionary concepts. The course emphasizes animal and plant diversity, structure and function including reproduction and development, and the dynamics of ecology as it pertains to populations, communities, ecosystems, and biosphere. Topics include principles of evolution, classification and characterizations of organisms, plant structure and function, animal structure and function, principles of ecology, and biosphere. BIOL 1112L Biology II Lab (0-3-1) This course includes selected laboratory exercises paralleling the topics in BIOL 1112. The laboratory exercises for this course include principles of evolution, classification and characterizations of organisms, plant structure and function, animal structure and function, principles of ecology, and biosphere. Students must pay a \$25 supply fee when registering for this course.
BIOL 2113/2113L	Anatomy & Physiology I AND Lab	SC 330	BIOL 2113 Anatomy and Physiology I (3-0-3) This course introduces the anatomy and physiology of the human body. Instructors place emphasis on the development of a systemic perspective of anatomical structures and physiological processes. Topics include body organization, cell structure and functions, tissue classifications, integumentary system, skeletal system, muscular system, and nervous and sensory systems. BIOL 2113L Anatomy and Physiology I Lab (0-3-1) This course includes selected laboratory exercises paralleling the topics in BIOL 2113. The laboratory exercises for this course include body organization, cell structure and functions, tissue classifications, integumentary system, skeletal system, muscular system, and nervous and sensory systems. Students must pay a \$30 supply fee when registering for this course.
BIOL 2114/2114L	Anatomy & Physiology II AND Lab	SC 331	BIOL 2114 Anatomy and Physiology II (3-0-3) This course continues the study of the anatomy and physiology of the human body. Topics include the endocrine system, cardiovascular system, blood and lymphatic system, immune system, respiratory system, digestive system, urinary system, and reproductive system. BIOL 2114L Anatomy and Physiology II Lab (0-3-1) This course includes selected laboratory exercises paralleling the topics in BIOL 2114. The laboratory exercises for this course include the endocrine system, cardiovascular system, blood and lymphatic system, immune system, respiratory system, digestive system, urinary system, and reproductive system. Students must pay a \$30 supply fee when registering for this course.
BIOL 2117/2117L	Introductory Microbiology AND Lab	SC 340	BIOL 2117 Introductory Microbiology (3-0-3) This course provides students with a foundation in basic microbiology with emphasis on infectious diseases. Topics include microbial diversity, microbial cell biology, microbial genetics, interactions and impact of microorganisms and humans, microorganisms, and human diseases. BIOL 2117L Introductory Microbiology Lab (0-3-1) This course provides students with a foundation in basic microbiology with emphasis on infectious diseases. Topics include microbial diversity, microbial cell biology, microbial genetics, interactions and impact of microorganisms and humans, microorganisms, and human diseases.
CHEM 1211/1211L	Chemistry I AND Lab	SC 220	CHEM 1211 Chemistry I (3-0-3) This course provides an introduction to basic chemical principles and concepts which explain the behavior of matter. Topics include measurement, physical and chemical properties of matter, atomic structure, chemical bonding, nomenclature, chemical reactions, and stoichiometry and gas laws. CHEM 1211L Chemistry I Lab (0-3-1) This course provides an introduction to basic chemical principles and concepts which explain the behavior of matter. Topics include measurement, physical and chemical properties of matter, atomic structure, chemical bonding, nomenclature, chemical reactions, and stoichiometry and gas laws.

CHEM 1212/1212L	Chemistry II AND Lab	SC 221	CHEM 1212 Chemistry II (3-0-3) This course continues the exploration of basic chemical principles and concepts. Topics include equilibrium theory, kinetics, thermodynamics, solution chemistry, acid-base theory, and nuclear chemistry. CHEM 1212L Chemistry II Lab (0-3-1) This course includes selected laboratory exercises paralleling the topics in CHEM 1212. The laboratory exercises for this course include equilibrium theory, kinetics, thermodynamics, solution chemistry, acid-base theory, and nuclear chemistry. Students must pay a \$30 supply fee when registering for this course.
CHEM 2211/2211L	Organic Chemistry I AND Lab	SC320	CHEM 2211 Organic Chemistry I (3-0-3) This course is the first of a two-semester sequence of Organic Chemistry. Topics include structure, bonding, stereochemistry and reactions of organic molecules comprised of alkanes, cycloalkanes, alkenes, alkynes and organohalides. CHEM 2211L Organic Chemistry I Lab (0-3-1) In this course students perform experiments to illustrate the reactions, principles, and techniques presented in Organic Chemistry I. Students gain experience in synthesis and techniques relating to isolation, purification and identification of organic compounds.
CHEM 2212/2212L	Organic Chemistry II AND Lab	SC321	CHEM 2212 Organic Chemistry II (3-0-3) This course is a continuation of Organic Chemistry I. Topics include spectroscopy, aromatic compounds, and other classes of compounds and their reactions. CHEM 2212L Organic Chemistry II Lab (0-3-1) In this laboratory course, students perform experiments to illustrate the reactions, principles and techniques presented in Organic Chemistry II. Students gain additional experience in instrumentation, synthesis and techniques relating to isolation and purification. They also expand their capabilities relating to the identification of organic compounds.
COLL 0099	College Success and Survival Skills	FS 101	COLL 0099 College Success and Survival Skills (2-0-2) This course is designed to provide tools to assist students to acquire skills necessary to achieve academic and professional success in their chosen occupational/technical program of study. Topics include: getting off to a good start, learning and personality styles, time and money management, study and test taking skills, stress management and wellness, communication skills, and career exploration.
ECON 2105	Macroeconomics	BU200	ECON 2105 Macroeconomics (3-0-3) This course provides a description and analysis of macroeconomic principles and policy. Topics include basic economic principles; macroeconomic concepts, equilibrium in the goods and money markets, macroeconomic equilibrium, and the impact of fiscal and monetary policies.
ECON 2106	Microeconomics	BU 201	ECON 2106 Microeconomics (3-0-3) This course provides an analysis of the ways in which consumers and business firms interact in a market economy. Topics include basic economic principles; consumer choice; behavior of profit maximizing firms; modeling of perfect competition; and monopoly, oligopoly and monopolistic competition.
ENGL 1101	Composition & Rhetoric	EN 101	ENGL 1101 Composition and Rhetoric (3-0-3) This course explores the analysis of literature and articles about issues in the humanities and in society. Students practice various modes of writing, ranging from exposition to argumentation and persuasion. The course includes a review of standard grammatical and stylistic usage in proofreading and editing. An introduction to library resources lays the foundation for research. Topics include writing analysis and practice, revision, and research. Students write a research paper using library resources and using a formatting and documentation style appropriate to the purpose and audience.
ENGL 1102	Literature & Composition	EN 102	ENGL 1102 Literature and Composition (3-0-3) This course emphasizes the student's ability to read literature analytically and meaningfully and to communicate clearly. Students analyze the form and content of literature in historical and philosophical contexts. Topics include reading and analysis of fiction, poetry, and drama; research; and writing about literature.
ENGL 1105	Technical Communications	EN Elective	ENGL 1105 Technical Communications (3-0-3) This course emphasizes practical knowledge of technical communications techniques, procedures, and reporting formats used in industry and business. Topics include reference use and research, device and process description, formal technical report writing, business correspondence, and technical report presentation.
ENGL 2130	American Literature	EN 200	ENGL 2130 American Literature (3-0-3) This course emphasizes American literature as a reflection of culture and ideas. This course includes a survey of important works in American literature and a variety of literary genres, including short stories, poetry, drama, nonfiction, and novels. Topics include literature and culture, essential themes and ideas, literature and history, and research skills.

ENGL 2310	English Literature	EN 200	ENGL 2310 English Literature from the Beginnings to 1700 (3-0-3) This course presents a survey of important works in early English literature. Course content includes a variety of literary genres: poetry, drama, fiction and nonfiction. Writers typically include the Beowulf poet, Gawain poet, Chaucer, Spenser, Sidney, Marlowe, Donne, Jonson, Shakespeare, and Milton. The course emphasizes English literature as a reflection of culture and ideas. Competency areas include literature and culture; essential themes and ideas; literature and history; research and writing skills; and oral communication skills.
HIST 1111	World History I	HY Elective	HIST 1111 World History I (3-0-3) This course emphasizes the study of intellectual, cultural, scientific, political, and social contributions of the civilizations of the world and the evolution of these civilizations during the period from the prehistoric era to early modern times. Topics include the Prehistoric Era the Ancient Near East, Ancient India, Ancient China, Ancient Rome, Ancient Africa, Islam, the Americas, Japan, Ancient Greece, the Middle Ages, and the Renaissance.
HIST 1112	World History II	HY Elective	HIST 1112 World History II (3-0-3) This course emphasizes the study of the intellectual, cultural, scientific, political, and social contributions of the civilizations of the world and the evolution of these civilizations during the period from early modern times to the present. Topics include transitions to the modern world, scientific revolution and the Enlightenment, political modernization, economic modernization, imperialism, and the twentieth century.
HIST 2111	U. S. History I	HY 272	HIST 2111 U.S. History I (3-0-3) This course emphasizes the study of U. S. History to 1877 to include the post-Civil War period. The course focuses on the period from the Age of Discovery through the Civil War to include geographical, intellectual, political, economic and cultural development of the American people. It includes the history of Georgia and its constitutional development. Topics include colonization and expansion; the Revolutionary Era; the New Nation; nationalism, sectionalism, and reform; the Era of Expansion; and crisis, Civil War, and reconstruction.
HIST 2112	U. S. History II	HY 273	HIST 2112 U.S. History II (3-0-3) This course emphasizes the study of the social, cultural, and political history of the United States from 1865 to the beginning of the twenty-first century and will equip the student to better understand the problems and challenges of the contemporary world in relation to events and trends in modern American history. The course also provides an overview of the history of Georgia and the development of its constitution. Topics include the Reconstruction Period; the great West, the new South, and the rise of the debtor; the Gilded Age; the progressive movement; the emergence of the U. S. in world affairs; the Roaring Twenties; the Great Depression; World War II; the Cold War and the 1950's; the 1960's and 1970's; and America since 1980.
HUMN 1101	Introduction to Humanities	HU 200	HUMN 1101 Introduction to Humanities (3-0-3) This course explores the philosophic and artistic heritage of humanity expressed through a historical perspective on visual arts, music, and literature. The humanities provide insight into people and society. Topics include historical and cultural developments, contributions of the humanities, and research.
MATH 1101	Mathematical Modeling	MA 122	MATH 1101 Mathematical Modeling (3-0-3) This course emphasizes functions using real-world applications as models. Topics include the fundamental concepts of algebra; functions and graphs; linear, quadratic, polynomial, exponential, and logarithmic functions and models; systems of equations; and additional topics in algebra.
MATH 1111	College Algebra	MA 124	MATH 1111 College Algebra (3-0-3) This course emphasizes techniques of problem solving using algebraic concepts. Topics include fundamental concepts of algebra, equations and inequalities, functions and graphs, systems of equations, and analytic geometry.
MATH 1112	College Trigonometry	MA 125	MATH 1112 College Trigonometry (3-0-3) This course emphasizes techniques of problem solving using trigonometric concepts. Topics include trigonometric functions, properties of trigonometric functions, vectors and triangles, inverse of trigonometric functions and graphing of trigonometric functions, logarithmic and exponential functions, and complex numbers.
MATH 1113	Precalculus	MA 175	MATH 1113 Precalculus (3-0-3) This course prepares students for calculus. The topics discussed include an intensive study of polynomial, rational, exponential, logarithmic, and trigonometric functions and their graphs. Applications include simple maximum and minimum problems, exponential growth and decay.
MATH 1127	Introduction to Statistics	MA 200	MATH 1127 Introduction to Statistics (3-0-3) This course emphasizes the concepts and methods fundamental to utilizing and interpreting commonly used statistics. Topics include descriptive statistics, basic probability, discrete and continuous distributions, sampling distributions, hypothesis testing, chi square tests, and linear regression.

MUSC 1101	Music Appreciation	HU Elective	MUSC 1101 Music Appreciation (3-0-3) This course explores materials that composers use to create music, giving an overview of the history of classical music from the Medieval period through the present as well as introducing concepts related to non-western, popular and film music. Students will develop deep-level listening skills and study the connections between music and broader cultural movements. Assignments will include attending and reporting on concerts and written responses to assigned listings. The ability to read music is not required for this course.
PHYS 1110/1110L	Conceptual Physics AND Lab	SC Elective	PHYS 1110 Conceptual Physics (3-0-3) This course introduces some of the basic laws of physics. Topics include systems of units and conversion of units; vector algebra; Newtonian mechanics; fluids and thermodynamics; heat, light, and optics; mechanical waves; electricity and magnetism; and modern physics. PHYS 1110L Conceptual Physics Lab (0-3-1) This course includes selected laboratory exercises paralleling the topics in PHYS 1110. The laboratory exercises for this course include systems of units and systems of measurement; vector algebra; Newtonian mechanics; fluids and thermodynamics; heat, light, and optics; mechanical waves; electricity and magnetism; and modern physics.
POLS 1101	American Government	PS 101	POLS 1101 American Government (3-0-3) This course emphasizes the study of government and politics in the United States. The course will provide an overview of the Constitutional foundations of the American political processes with a focus on government institutions and political procedures. It will examine the constitutional framework, federalism, civil liberties and civil rights, public opinion, the media, special interest groups, political parties, and the election process. The course also studies the three branches of government. In addition, this course will examine the processes of Georgia state government. Topics include foundations of government, political behavior, and governing institutions.
PSYC 1101	Introductory Psychology	PY 210	PSYC 1101 Introductory Psychology (3-0-3) This course introduces the major fields of contemporary psychology. Instructors place emphasis on the fundamental principles of psychology as a science. Topics include research design, the organization and operation of the nervous system, sensation and perception, learning and memory, motivation and emotion, thinking and intelligence, lifespan development, personality, psychopathology and interventions, stress and health, and social psychology.
PSYC 2103	Human Development	PY 220	PSYC 2103 Human Development (3-0-3) This course emphasizes changes that occur during the human life cycle beginning with conception and continuing through late adulthood and death. This course emphasizes the scientific basis of our knowledge of human growth and development and the interactive forces of nature and nurture. Topics include the theoretical perspectives and research methods, prenatal development and child birth, stages of development from infancy through late adulthood, and death and dying.
COMP 1000	Introduction to Computers	BU 250	COMP 1000 Introduction to Computers (1-4-3) This course introduces the fundamental concepts, terminology, and operations necessary to use computers. Instructors place emphasis on basic functions and familiarity with computer use. Topics include computer terminology, the Windows environment, Internet and e-mail, word processing software, spreadsheet software, database software, and presentation software.
SOCI 1101	Introduction to Sociology	SO 172	SOCI 1101 Introduction to Sociology (3-0-3) This course explores the sociological analysis of society, its culture, and structure. Sociology is presented as a science with emphasis placed on its methodology and theoretical foundations. Topics include basic sociological concepts, socialization, social interaction and culture, social groups and institutions, deviance and social control, social stratification, social change, and marriage and family.
SPCH 1101	Public Speaking	CM 130	SPCH 1101 Public Speaking (3-0-3) This course introduces students to the fundamentals of oral communication. Topics include selection and organization of materials, preparation and delivery of individual and group presentations, analysis of ideas presented by others, and professionalism.

*MOST FOUR DIGIT NUMBERS BECAME EFFECTIVE FALL 2009.

The following officers of Emmanuel and Athens Technical College are authorized to commit to this agreement.

