CORE NOTES: the Core is the basic course of study required of all students seeking a bachelor's degree. These foundation courses should be addressed early in your freshman/sophomore years. In addition to the 42 hours required in Areas A-E detailed here, Area F has 18 major specific credits for a total of 60 hours of foundation work. You should study your program requirements (major track sheet/catalog) and work with your academic advisor to develop a plan for completing your degree requirements in a timely manner. Though you have some options, your program may have specific core requirements or preferences, so work with your advisor.

"Science Track" includes Biology, Chemistry, Computer Science, Mathematics, & Physics. Health Science Track has math and science sequence level options— discuss with advisor.

AREA A

AREA A	ENGL 1101 or ENGL 1113 (Honors)	Grade of C or better is required in each. After 18 hrs earned, you must register for ENGL 1101 until successfully completed. After 27 hrs earned, you must register for ENGL 1102 until successfully completed.	3 hours
	ENGL 1102 or ENGL 1114 (Honors)		3 hours
	NON-SCIENCE TRACK Choose one: *discuss math w/ advisor	SCIENCE TRACK Required course:	3 hours
	MATH 1111*	MATH 1001*	MATH 1113*
	Total Semester Hours required for Area A = 9 hours		

AREA B

AREA B	COMM 1100	Communications/Speech course required for all majors; recommended for first term	3 hours
	INQR 1000	Intro Academic Inquiry – select one from departmental offerings	1 hour
	Total Semester Hours required for Area B= 4 hours		

AREA C

AREA C	HUMN 2001	Follows successful completion of ENGL 1102 or 1114. Humanities is a two semester, 6 hours sequence – team taught	3 hours
	HUMN 2002		3 hours
	Total Semester Hours required for Area C= 6 hours		

AREA D

	NON-SCIENCE TRACK Choose any two or three:		SCIENCE TRACK Choose a sequence:	
AREA D	ASTR 1000	BIOL 1107	BIOL 1107 & BIOL 1108	8-11 hours
	BIOL 1101	BIOL 1108		
	BIOL 1102	CHEM 1211	CHEM 1211 & CHEM 1212	
	CHEM 1151	CHEM 1212		
	CHEM 1152	PHYS 1111	PHYS 1111 & PHYS 1112	
	GEOG 1112	PHYS 1112		
	GEOL 1121	PHYS 2211	PHYS 2211 & PHYS 2212	
	GEOL 1122	PHYS 2212		
	PHSC 1011			
	Choose one or zero:		Choose one:	0-3 hours
	MATH 2210	CHEM 1100*	MATH 2011	
	MATH 1113	PHYS 1100*	MATH 2210 (option for BIOL majors only)	
	MATH 2011	*selected topics: no lab		
	Total Semester Hours required for Area D = 11 hours			

AREA E

	HIST 2111 or HIST 2112	EITHER CLASS satisfies GA&US History Legislative requirements	3 hours
	POLS 1101	Satisfies GA&US Constitution legislative requirements	3 hours
AREA E	Choose one:	ANTH 2011	PSYC 1101	3 hours
		ECON 1810	SOCI 1101	
	Choose one not chosen above:		3 hours
	ANTH 1102	HIST 1111	PSYC 1101	
	ANTH 2011	HIST 1112	PSYC 1103	
	ECON 1810	HIST 2111	PSYC 2150	
	ECON 2106	HIST 2112	SOCI 1101	
	ECON 2105	PHIL 2010	SOCI 1103	
	GEOG 1111	POLS 2401	SOCI 1160	
			SOCI 2241	
	Total Semester Hours required for Area E = 12 hours			

AREA A

ENGL 1101 College Composition I (3)
Focuses on skills required for effective writing with emphasis on exposition, analysis, and argumentation; includes introductory use of research skills; Includes instruction in word processing & computer-based research. A grade of C or better is required.

ENGL 1102 College Composition II (3)
Literature based, ENGL 1102 develops writing skills beyond proficiency required in ENGL 1101. Interpretation and evaluation are emphasized; Includes instruction in composition of a research paper. A grade of C or better is required.
Prerequisite: ENGL 1101 with a C or better.

MATH 1001 Quantitative Skills and Reasoning (3)
Places quantitative skills and reasoning in the context of experiences that students will be likely to encounter; emphasizes processing information in context from a variety of representations, understanding of both the information and the processing, and understanding which conclusions can be reasonably determined.

MATH 1111 College Algebra (3)
Intensive functional approach to algebra incorporating appropriate technology. Emphasis placed on study of functions and their graphs, inequalities, and linear, quadratic, piece-wise defined, rational, polynomial, exponential, and logarithmic functions. Appropriate application included.
Prerequisite: SATM 480 (ACT 20) or higher or placement.

MATH 1113 Precalculus Mathematics (3)
A rigorous study of polynomial, exponential, logarithmic, and trigonometric functions, primarily intended to prepare science & mathematics majors for calculus.
Prerequisite: MATH 1111 (C or better) or placement.

AREA B

COMM 1100 Fundamentals of Human Communication (3) (formerly COMS1100)
An introduction to public communication with emphasis on public speaking. Includes communication models, audience adaptation, systematic library research, preparation and delivery of presentations, and preparation and use of visual aids.

INQR 1000 Fundamentals of Academic Inquiry (1)
Discovery, exploration, and analysis of ideas that faculty members, across a variety of disciplines, study and investigate.

AREA C

HUMN 2001 World Humanities I (3)
First course of a two-semester sequence in which a team of professors introduces students to world cultures & their perspectives on major human concepts, such as truth, beauty & divinity. Students will learn to analyze works of art, music & literature in context of the cultures that produced them and the values they reflect.
Prerequisites: English 1101-1102 or English 1113-1114 (C or better) .

HUMN 2002 World Humanities II (3)
Second of a two-semester sequence. Students will learn to analyze works of art, music and literature in context of the cultures that produced them and the values they reflect. Course culminates in a critical examination of the dialogue between the contemporary world & the cultures studied.
Prerequisites: ENGL 1101-1102 or 1113-1114, & HUMN 2001

AREA D

ASTR 1000 Intro to the Universe (4)
Survey of the universe, examining the historical origins of astronomy; the motions and physical properties of the Sun, Moon, and planets; the formation, evolution, and death of stars; and the structure of galaxies and the expansion of the universe.
Prerequisite: Recommended but not required: MATH 1001 or MATH 1111.

BIOL 1101 Fundamentals of Biology (4)
Designed for non-science/math majors; topics covered include chemical foundations of biology, cell structure/function, cell division, genetics, animal organ systems and mechanisms of evolution. BIOL 1101 will NOT substitute for BIOL 1107; credit may NOT be earned for both BIOL 1101 & BIOL 1107.

BIOL 1102 Environmental Biology (4)
Designed for the non-science/non-math major; topics covered include organismal diversity and behavior, ecology, and environmental topics. This course will not substitute for the BIOL 1108K course that is designed for science/math majors. Credit may not be earned for both BIOL 1102 and BIOL 1108. BIOL 1101 IS NOT a prerequisite for this course.

BIOL 1107 Principles of Biology I (4)
A study of the unifying concepts of the biotic world including biochemistry, cell biology, energy and metabolism, physiological systems of both plants and animals, animal and plant diversity, animal and plant development, genetics, ecology and evolution, and animal behavior. Credit may not be earned for both BIOL 1101 and BIOL 1107.

BIOL 1108 Principles of Biology II (4)
A continuation of Biology 1107. Credit may not be earned for both BIOL 1102 & BIOL 1108.
Prerequisite: BIOL 1107 with a grade of C or better.

CHEM 1151 Survey of Chemistry I (4)
First course designed for pre-allied health students & non-majors; includes elements, compounds, stoichiometry, solutions, equilibrium, acid-base and nomenclature.
Credit may not be earned for both CHEM 1151 & CHEM 1211/1212. Prereq.: MATH 1111 or 1001.

CHEM 1152 Survey of Chemistry II (4)
Organic & biochemistry designed for allied health students; covers common classes of organic compounds including uses, chemical &physical properties, introduction to structure & function of biological molecules.
Prerequisite: CHEM 1151 (grade of C or better) or CHEM 1211 (grade of C or better).

(CHEM / PHYS / MATH column)

CHEM 1211 Principles of Chemistry I (3) & CHEM 1211 L (corequisite lab) (1)
First course in a sequence designed for science majors; topics include composition of matter, stoichiometry, periodic relations, gas laws, molecular geometry & nomenclature. Credit may not be earned for both CHEM 1151 and CHEM 1211
Prerequisite: MATH 1111 (C or better) Corequisite: CHEM1201 L (LAB).

CHEM 1212 Principles of Chemistry II (3) & CHEM 1212 L (corequisite lab) (1)
Second course in a sequence for science majors; topics include solutions, acid-base, colligative properties, equilibrium, electrochemistry, kinetics, & descriptive chemistry. Credit may not be earned for both CHEM 1151 and CHEM 1212
Prerequisites: MATH 1113 and CHEM 1211 & CHEM1211L (C or better in each).

GEOG 1112 Introduction to Weather and Climate (4)
Atmospheric composition and structure, clouds, precipitation, atmospheric motion and winds. Organized weather systems, including air masses, fronts and severe weather. Discussion of global climates includes circulation, wind systems and climate classification.
Prerequisite: MATH 1001 or MATH 1111.

GEOL 1121 Introductory Geosciences I: Physical Geology (4)
Study of minerals and rocks; fundamentals of earth structure & processes including vulcanism, mountain-building, erosion, sedimentation, metamorphism; Lab (study of common minerals and rocks, and interpretation of geologic maps and cross-sections).
Prerequisite: Recommended but not required: MATH 1001 or MATH 1111.

GEOL 1122 Introductory Geosciences II: Historical Geology (4)
Study of geologic principles applicable to earth history. Includes basic stratigraphy and paleontology. Survey of geologic time periods, including geological and biological events during earth development.
Prerequisite: GEOL 1121.

PHSC 1011 Physical Science (4)
A survey of physics including motion and energy. May include heat, sound, light, electricity, magnetism, relativity, atoms and nuclei. Simple applications in problem solving. Credit may not be earned for both PHSC 1101 and PHSC 1100.
Prerequisite: MATH 1001 or MATH 1111.

PHYS 1111 Introductory Physics I (4)
A trigonometry-based study of mechanics, heat, waves and sound. Emphasis on problem solving. Credit may not be earned for both PHYS 1111 and PHYS 2211.
Prerequisite: MATH 1113 (C or better).

PHYS 1112 Introductory Physics II (4)
A trigonometry-based study of electricity and magnetism, light, and modern physics. Emphasis on problem solving. Credit may not be earned for both PHYS 1112 and PHYS 2212.
Prerequisite: PHYS 1111 (C or better) or 2211 (C or better).

PHYS 2211 Principles of Physics I (4)
A calculus-based study of mechanics, heat, waves and sound. Emphasis on problem solving. Credit may not be earned for both PHYS 2211 and PHYS 1111.
Prerequisite: (Co-requisite) MATH 2012 concurrently.

PHYS 2212 Principles of Physics II (4)
A calculus-based study of electricity and magnetism, light, and modern physics. Emphasis on problem solving. Credit may not be earned for both PHYS 2212 and PHYS 1112.
Prerequisites: PHYS 2211 (C or better) and MATH 2012 (C or better).

MATH 1113 Precalculus (3) (See AREA A)

MATH 2011 Calculus and Analytical Geometry 1 (4)
An intro to calculus including limits and continuity, derivatives of polynomial, rational, trigonometric, inverse trigonometric, exponential, & logarithmic functions, applications of derivatives, & basic integration.
Prerequisite: MATH 1113 (grade of C or better) or placement.

MATH 2012 Calculus and Analytical Geometry II (4)
A continuation of calculus including applications of integration, techniques of integration, improper integrals, sequences, series, and polar coordinates.
Prerequisite: MATH 2011 (grade of C or better) or advanced placement.

MATH 2210 Elementary Statistics (3)
Study of frequency distributions of data, graphical and numerical presentations of data, probability, discrete and continuous distributions, sampling distributions, estimation, hypothesis testing, simple linear regression and correlation & goodness of fit.
Credit will not be given for both MATH 2210 and MATH 3110.
Prerequisite: MATH 1001 or MATH 1111 or MATH 1113 or MATH 1220 or MATH 2011, or permission of instructor.

AREA E

FOR AREA E, YOU MUST EARN CREDIT FOR:

HIST 2111 United States to 1877 (3)
A survey of American history to the post-Civil War period.
A satisfactory grade satisfies the legislative graduation requirements for US & GA History.

Or **HIST 2112 United States Since 1877 (3)**
A survey of the United States from the post-Civil War period to the present.
A satisfactory grade satisfies the legislative graduation requirements for US & GA History.

& **POLS 1101 Intro to American Government (3)**
An introductory course covering the essential facts of federal, state and local governments in the United States.
A Satisfactory grade satisfies legislative graduation requirements for US & GA Constitution.

(Area E — right column)

FOR AREA E, YOU MUST EARN CREDIT FOR ONE OF THE FOLLOWING:

ANTH 2011 Cultural Anthropology (3)
By investigating what is culture and how culture influences our lives, students will learn how to view other societies holistically, comparatively, and to see things from others' point of view.

Or **ECON 1810 Introduction to Economics (3)**
A survey course for non-business majors. It covers both macro and micro-economics and is aimed at developing an understanding of economic policies and problems.

Or **PSYC 1101 Intro to General Psychology (3)**
An introduction to psychology including such topics as research methodology, neurobiology, learning, cognition, emotion & abnormal psychology, development personality, and social psychology.

Or **SOCI 1101 Introduction to Sociology (3)**
Introduces students to the major concepts, methods, theories, & findings of sociology — the study of human interaction in groups & organizations as well as the nature of our society & its major social institutions.

FOR AREA E, YOU MUST EARN CREDIT FOR ONE OF THE FOLLOWING THAT YOU HAVE NOT COUNTED ABOVE:

ANTH 1102 Introductory Anthropology (3)
Survey of the biological & cultural origins & development of human beings & their cultures. Based on archaeology, physical anthropology, cultural anthropology, & linguistics, this course emphasizes human adaptation through both biological and cultural evolution. Students will have a broader perspective of how complex & diverse humans are over time, to question and understand the world through the lens of culture, & to recognize self as a global citizen.

ANTH 2011 Cultural Anthropology (3) (See Above)

ECON 1810 Introduction to Economics (3) (See Above)

ECON 2105 Macroeconomics (3)
Explains the nature of the economic problems which any society must solve and how a mixed economy solves these problems. Topics covered include supply and demand, income and employment, money and banking, and fiscal policy.
Prerequisite: MATH 1101 or MATH 1111 with a grade of C or better.

ECON 2106 Microeconomics (3)
The determination of prices & output levels and the explanation of economic equilibrium of individual economic units–the consumer, the firm, & the industry.
Prerequisite: MATH 1101 or MATH 1111 with a grade of C or better.

GEOG 1111 World Geography (3)
A study of the world and its topography, political divisions, cultural development, cultural spheres, geographic spheres, and climatic regions; as well as cartography, geology, physics, and astronomy, as they pertain to the earth.

HIST 1111 Pre-Modern World Civilization (3)
A survey of world history to early modern times. The course will examine the political, economic, social, and cultural aspects of various civilizations from ancient times to the Renaissance.

HIST 1112 Modern World Civilization (3)
A survey of world history from early modern times to the present. An examination of the development of world civilization from the beginnings of European colonization to the present, including events, trends, institutions, and ideas that have had global impact.

HIST 2111 United States to 1877 (3) (See above)

HIST 2112 United States since 1877 (3) (See above)

PHIL 2010 Introduction to Philosophy (3)
An introduction to how philosophers raise questions/problems, provide answers/ solutions and generate knowledge; also covers the key content areas of philosophy, including the nature of reality, knowledge, consciousness, and the good.

POLS 2401 Intro to Global Issues (3)
A course that focuses on major global issues & problems.
Prerequisite: POLS 1101, grade of C or better.

PSYC 1101 Intro to General Psychology (3) (see above)

PSYC 1103, SOCI 1103 Intro to the Behavioral and Social Sciences (3)
An interdisciplinary introduction to methods and concepts in the behavioral and social sciences of anthropology, economics, psychology, sociology and others. Emphasis is placed on integrating the perspectives of different disciplines in understanding and explaining human behavior and social order.
(Cross-listed by participating departments)

PSYC 2150 Introduction to Human Diversity (3)
An examination of a variety of gender, age, racial, ethnic and cultural issues from a psychological and, to a lesser extent, biological perspective, especially as these influence individual development. Emphasis will be placed on historical trends, communication, critical thinking, and healthy functioning in an increasingly diverse world.

SOCI 1101 Introduction to Sociology (3) (See Above)

SOCI 1160 Social Problems Analysis (3)
An analytical and critical approach to the study of contemporary social problems.
Prerequisite: SOCI 1101 or SOCI 1103/PSYC 1103, grade of C or better.

SOCI 2241 Social and Cultural Diversity (3)
Introduces students to the social construction of contemporary societies. Focuses on social realities constructed over gender, class, race, national origin, religion, language,