

School	Freshman
Major	Freshman - Sciences

Major Requirements			
Code	Title	Credits	Description
SSCI215	Introduction to Music	3	.
ENGL101	Introduction to Oral and Written Skills	7	In the course of Communication Skills and Reading/Writing, students build on the strong foundation achieved in the integrated skills classes. At these levels students develop strong reading skills to increase reading speed, comprehension, and vocabulary. In writing, students learn how to compose essays in different rhetorical modes. Communication skills are refined to the point that students are able to discuss topics and make oral presentations.
ENGL151	Advanced Writing Skills	6	In this course students are exposed to materials/assignments which equip them with the skills necessary for success in the college/university environment. In these levels students are expected to understand and take notes on lectures, participate in discussions, make presentations, do library research, write research papers, and read sources related to their fields of study. At these advanced levels, students have the opportunity to take concurrent university classes for audit or credit.
BIOL100	Freshman Biology I	3	This course is designed to introduce freshman students to key biological concepts that are fundamental to plant and animal biology. Students will be acquainted with the classification of other organisms and familiarized with the interrelationships among living things and their non-living environment.
BIOL160	Freshman Biology II	3	This course concisely introduces the student to the organization of living systems, energy transfer, continuity of life, and classification of living things. The topics include: introduction to biological sciences; structure and functions of cells and cellular organelles; cell division; cellular respiration; photosynthesis; heredity; animal development; and organization to animal body.
CHEM100	Freshman Chemistry I	3	This course is a general introductory chemistry course designed for students in all majors. It will introduce and discuss the main properties of chemical compounds which will enable students to: Acquire a deep understanding of basic chemical principles, gain an appreciation of Chemistry, including the relationship to other disciplines and to the universe, prepare for future Coursework in Chemistry, improve problem-solving skills and critical-thinking skills.

CHEM160	Freshman Chemistry II	3	This course will cover the fundamental principles of chemistry such as the properties of gases and mass relationship in chemical reactions, atomic structure and bonding, molecular geometry, periodic properties and chemical reactions of elements. The basic concepts of chemical equilibrium, thermochemistry, electrochemistry and chemical kinetics will be also covered.
PHIL200	Introduction to Philosophy	3	This course is designed to give students knowledge and comprehension to philosophy. It preserves the goal of introducing students to philosophy by presenting in an accessible way, classical and contemporary readings on issues that are important to their lives.
MATH160	Calculus I	4	The topics of this course include rate of change, limits, continuity, inverse functions, trigonometric and hyperbolic functions, derivatives, chain rule and parametric equations, implicit differentiation, mean value theorem, curve plotting, indefinite integral, differential equations, integral rules, integration by substitution, estimating with finite sums, Reimann sums and definite integral, application to area, distance, volume and arc-length, fundamental theorem of calculus, and definite integrals, applications of integrals, volume by slicing and rotation about an axis, length of plane curves.