

Major	Freshman Sciences		
Major Requirements			
Code	Title	Credits	Description
ENGL100	Freshman English I	3	This course focuses on building foundational skills in academic writing and critical reading. Students learn to craft well-organized essays, develop coherent arguments, and analyze scholarly texts. Emphasis is placed on thesis development, paragraph structure, and grammar accuracy. The course also integrates vocabulary enhancement and peer feedback sessions to refine writing and comprehension skills.
ENGL150	Freshman English II	3	Building on ENGL100, this course introduces advanced academic writing and research skills. Students learn to integrate evidence from multiple sources, write persuasive essays, and conduct basic academic research. Assignments include research papers, critical reviews, and reflective essays. The course emphasizes clarity, coherence, and audience awareness.
SOCI105	Introduction to Sociology	3	This introductory course examines how society influences individual behavior and how social structures shape communities and institutions. Key topics include culture, socialization, inequality, race, gender, and social change. Students learn to apply sociological theories to understand social issues such as poverty, education, and globalization. The course promotes awareness of cultural diversity and critical perspectives on societal challenges.
PSYC150	Introduction to Psychology	3	This course offers a comprehensive overview of psychological principles, focusing on human behavior, cognition, and development. Students explore topics such as memory, learning, personality, and mental health. The course highlights the scientific methods used in psychology, encouraging students to think critically about human behavior and its biological, social, and cultural influences. Practical examples and case studies provide real-world applications of psychological theories.
CHEM150	Freshman Chemistry	3	An introductory course in chemistry focusing on atomic structure, chemical bonding, stoichiometry, and the periodic table. Students gain insights into how chemical principles apply to everyday life and scientific advancements. Laboratory exercises emphasize practical applications and experimentation.
PHYS150	Freshman Physics	3	This course is an introductory course designed to provide students with a foundational understanding of the fundamental principles of physics. The course covers key concepts such as motion, energy, forces, and the laws of thermodynamics. Through a combination of theoretical discussions and practical applications, students will learn to analyze physical phenomena and solve problems using mathematical reasoning. The course emphasizes the relevance of physics in everyday life and prepares students for further studies in science and engineering.
MATH120	Intermediate Algebra	3	This course reinforces and extends basic algebraic concepts to prepare students for advanced mathematical studies. Topics include solving linear and quadratic equations, graphing functions, and working with inequalities. Emphasis is placed on problem-solving techniques and real-life applications of algebraic principles. The course equips students with the mathematical skills required for success in subsequent courses.
MATH121	Pre-Calculus	3	This course provides students with the essential tools needed for calculus. Topics include trigonometry, polynomial functions, exponential and logarithmic functions, and their real-world applications. Students learn to analyze and interpret functions graphically, numerically, and algebraically. The course focuses on fostering problem-solving skills and mathematical reasoning.

MATH155	Foundation of Calculus	3	This course provides an introduction to the fundamental concepts and techniques of calculus, focusing on differentiation and integration. This course emphasizes the practical applications of calculus in various fields, including science and engineering. Students will learn to differentiate and integrate basic functions, solve problems involving rates of change, and calculate areas under curves. Through a combination of theoretical understanding and practical problem-solving, students will develop the skills necessary to apply calculus techniques to real-world scenarios. The course also encourages critical thinking and mathematical reasoning, preparing students for further studies in mathematics and related disciplines.
STAT150	Introduction to Probability and Statistics	3	This course introduces fundamental concepts in probability and statistics, including data collection, descriptive statistics, probability distributions, and hypothesis testing. Students learn to interpret statistical results and apply them to real-world situations, such as business, social sciences, and health studies. Practical exercises involve analyzing data sets and creating statistical reports.
BIOL100	Freshman Biology	3	This course provides an introduction to biology, focusing on the principles of cellular structure, genetics, evolution, and ecological interactions. Students learn about the biological processes underlying life and explore the impact of humans on ecosystems. Laboratory experiments enhance understanding of theoretical concepts through practical applications.