

Below are descriptions of courses offered under the School of Science, prefix SCI, which are in addition to those listed under their respective departments.

**SCI 099/Orientation to Science** **0 course unit**  
(fall)

Required of all first year open option science students, this course provides an introduction to studying science and mathematics at the college level, to the academic and other support resources at The College of New Jersey and to the major programs offered within the School of Science. Grounded in theory of group developmental advising, this course provides students the opportunity to explore career and collegiate expectations and goals and their own active role in their undergraduate experience.

**SCI 103/Physical, Earth, and Space Sciences** **1 course unit**  
(with laboratory)  
(every semester)

Restricted to students in Elementary Education, Early Childhood Education, Education of the Deaf and Hard of Hearing, and Special Education.

This course is an introduction to physical, earth, and/or space sciences. Topics may include: motion, forces, energy, the earth, environment, weather, the solar system, stars, galaxies, and the universe. Concepts are reinforced with a variety of experiments and demonstrations. This course is designed for elementary education majors to help them meet New Jersey state standards.

**SCI 104/Cancer, Genes, and the Environment** **1 course unit**  
(with laboratory)  
(every semester)

Restricted to students in Elementary Education, Early Childhood, Education, Education of the Deaf and Hard of Hearing, and Special Education.

An introduction to chemistry and biology concepts related to current social issues in the study of cancer, genetics and the environment. Scientific principles necessary to understand topics such as pollution, ozone depletion, acid rain, nutrition, genetic engineering, cloning and stem cell research will be considered. Laboratory experiments, debates and projects will compliment the course, which is designed to meet New Jersey state standards in chemistry and life science.

**SCI 111/Biochemistry and the Human Body** **1 course unit**  
(with laboratory)  
(every semester)

Restricted to Nursing students

An introduction to chemistry and its biological aspects, focusing on how chemical and biochemical processes pertain to normal and abnormal structure and function in the human body. Laboratory experiments will highlight important chemical processes, as well as laboratory techniques important for further study of human biology in a nursing clinical context. Open to students in the School of Nursing.