Natural Sciences Core Curriculum Courses

The following courses, as well as other courses in biology, chemistry, geosciences, or physics, will satisfy the Core Curriculum science requirement.

**NATS 1311 From the Cosmos to Earth** (3 semester hours) A multidisciplinary study of nature expressly designed for those who have chosen not to major in the natural sciences or engineering. Beginning with the origin of the universe, the course examines the nature of light, elementary particle formation, atoms, molecules, the life cycles of stars, galaxies, planetary formation, models of the solar system, and finally focuses on the planet Earth, its atmosphere, surface, and interior. This course will be enhanced by frequent demonstrations of the principles underlying the origin and evolution of the universe. Corequisite: NATS 1111. (3-0) Y

**NATS 1111 From the Cosmos to Earth Laboratory** (1 semester hour) A laboratory to accompany NATS 1311. Corequisite: NATS 1311. (0-3) Y

**NATS 2371 The Physical World** (3 semester hours) Natural phenomena are explored through the presentation and explanation of striking experimental demonstrations. Complements and expands on topics of NATS 1311, including electricity, optics, sound, heat, and mechanics. May not be used by physics majors to satisfy major requirements. Prerequisite: NATS 1312 or consent of instructor. (3-0) T

**NATS 2V96 Special Topics In Natural Sciences** (1-4 semester hours) Subject matter will vary from semester to semester. May include honors courses. May be repeated for credit. ([1-4]-0) R

**NATS 4173 Astronomy Lab** (1 semester hour) A laboratory in basic astronomy. May be taken with IS 4373 to satisfy a General Education laboratory science requirement. Corequisite: IS 4373. Prerequisite: Introductory astronomy course or consent of instructor. (0-3) R

**NATS 4310 Advanced Writing in the Natural Sciences and Mathematics** (3 semester hours) A writing-intensive course on questions or problems in natural sciences and mathematics; satisfies the advanced writing requirement for graduation. (3-0) S