INSC 1000. Science at Northeastern. 1 Hour.
Introduces first-year students with majors in the College of Science to the liberal arts in general. Offers students an opportunity to become familiar with their college and majors; to develop the academic skills necessary to succeed (analytical ability and critical thinking); to become grounded in the culture and values of the University community; and to develop interpersonal skills—in short, presents students with the skills needed to become a successful university student.

INSC 1180. Science: Creation of Knowledge—Opportunities for Undergraduate Research. 1 Hour.
Designed primarily for undeclared freshmen and sophomore students with an interest in science. Through presentations, discussions, and projects with research faculty and student mentors, offers students an opportunity to learn from examples how new scientific knowledge is created, how scientists decide what questions to ask, and how to investigate them. Focuses on some of the new frontiers in science research at Northeastern and the opportunities for discovery and research available to undergraduate students in science at Northeastern. Seeks to help students explore whether a major in science is appropriate for them and to provide them with possible paths to pursue undergraduate research with faculty, in labs on campus, and through research on co-op.

INSC 1190. Exploration and Research with Applications from Mathematics, Physics, and Biology. 1 Hour.
Intended primarily for first- and second-year students interested in science and mathematics but open to all students. Offers students an opportunity to learn about the nature and progress of research conducted by faculty in mathematics, biology, and physics and to work on team research projects mentored by undergraduate and graduate students in science. Projects can be provided by faculty or be self-generated, with a prize for the best and most innovative projects. Possible topics include networks for modeling, Boolean networks for learning and memory, quantum information for cryptography and security, diffusion-limited aggregation for snowflakes and branching in nature, synchronization of oscillators as a basis in rhythmic movements, and probability in genome scale phylogeny for tracking the ancestry of living forms back in time.

INSC 1990. Elective. 1-4 Hours.
Offers elective credit for courses taken at other academic institutions. May be repeated without limit.

INSC 2990. Elective. 1-4 Hours.
Offers elective credit for courses taken at other academic institutions. May be repeated without limit.

INSC 3990. Elective. 1-4 Hours.
Offers elective credit for courses taken at other academic institutions. May be repeated without limit.

INSC 4990. Elective. 1-4 Hours.
Offers elective credit for courses taken at other academic institutions. May be repeated without limit.