

Science

Science Courses

SCI123 - Foundations of Scientific Inquiry This seminar-style course is designed to promote an understanding of the value and expectations of higher education and to explore the resources available to science majors. Students will learn study skills, time management, and explore strategies for success in classes. The nature and process of scientific investigation will be presented by SIUC and regional scientists who solved local and global problems and contribute to the science knowledge-base. Students will be exposed to the excitement of inquiry-based discovery and will explore the methods by which practicing scientists guide their work. Classroom activities will enhance communication skills and assist students in networking and integrating into the scientific community at SIUC.

SCI201 - Career Preparation Seminar for Health Professions Preprofessional information and experience for preparation to enter schools of medicine, dentistry, osteopathy, podiatry, optometry and veterinary medicine. Classroom and off-campus experience. Graded Pass/Fail. Prerequisite: MATH 108 and 109, or 111, BIOL 200A or BIOL 211 and BIOL 200B or BIOL 212 or BIOL 213 and CHEM 200, 201. Minimum 3.0 overall GPA.

SCI210A - Integrated Science I (University Core Curriculum course) An integrated, inquiry-based science course based on topics delineated in national and state science education standards. This course is designed to help prepare teachers to teach science. Content focus is on physics, earth/space sciences, and science inquiry. Satisfies University Core Curriculum Science Group I requirement. Prerequisite: Mathematics 120 or Curriculum and Instruction 120. Restricted to elementary education, child and family services and preschool-primary only. Lab fee: \$10.

SCI210B - Integrated Science II (University Core Curriculum course) An integrated, inquiry-based science course based on topics delineated in national and state science education standards. This course is designed to help prepare teachers to teach science. Contents focus is on chemistry, biological sciences, and science inquiry. Satisfies University Core Curriculum Science Group II requirement. Prerequisite: Mathematics 120 or Curriculum and Instruction 120. Restricted to elementary education, child and family services and preschool-primary majors only. Lab fee: \$10.

SCI257 - Concurrent Work Experience Credit Practical experience in a laboratory or other work directly related to course work in a College of Agricultural, Life, and Physical Sciences program and to the student's educational objectives might be used as a basis for granting credit in the College of Agricultural, Life, and Physical Sciences. Credit is given when specific program credit cannot be granted and is usable for elective credit only. Credit for ongoing work experience is sought by petition and must be approved by the dean and the executive officer of the student's major program before registration. Mandatory Pass/Fail.

SCI258 - Work Experience Credit Practical experience in a laboratory or other work directly related to course work in a College of Agricultural, Life, and Physical Sciences program and to the student's educational objectives might be used as a basis for granting credit in the College of Agricultural, Life, and Physical Sciences. Credit is given when specific program credit cannot be granted and is usable for elective credit only. Credit for past work experience is sought by petition and must be approved by the dean and the executive officer of the student's major program. No grade for past work experience.

SCI259 - Vocational Education Credit Formal, postsecondary, educational credit earned in a military service or other vocational, technical, or occupational program and directly related to the student's educational objectives may be used as a basis for granting credit in the College of Agricultural, Life, and Physical Sciences. Credit is given when specific program credit cannot be granted and is usable for

elective credit only. Credit is sought by petition and must be approved by the dean and the executive officer of the student's major program.

SCI300 - Internship Supervised training in a formalized internship program of a scientific nature. May not be used for credit in a science major. Mandatory Pass/Fail. Restricted to science major. Special approval needed from the sponsoring agency and the department.

SCI388 - Study Abroad Provides credit toward the undergraduate degree for study at accredited foreign institutions or approved overseas programs. Final determination of credit is made on the student's completion of the work. Zero to eighteen credits per semester, zero to nine for summer session. Prerequisite: one year of residence at Southern Illinois University Carbondale, good academic standing, and prior approval of the course of study by the major department and the College of Agricultural, Life, and Physical Sciences.

Last updated: 01/21/2022

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Catalog Year Statement:

Students starting their collegiate training during the period of time covered by this catalog (see bottom of this page) are subject to the curricular requirements as specified herein. The requirements herein will extend for a seven calendar-year period from the date of entry for baccalaureate programs and three years for associate programs. Should the University change the course requirements contained herein subsequently, students are assured that necessary adjustments will be made so that no additional time is required of them.