COLLEGE OF SCIENCE

Contact Information

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- Website: College of Science (https://www.uidaho.edu/science/)

Overview

The College of Science was established in 2002. The mission of the college is to provide a superior education in the sciences, to advance knowledge through research and scholarship, and to serve the university, state and nation.

Faculty and Staff

The college has approximately 140 faculty and staff members supporting its academic and research programs. Approximately 700 undergraduate students and 215 graduate students are enrolled in programs offered by the College of Science.

Admission to the College

Students who would like to attend the College of Science should plan their high school electives carefully to ensure that they are adequately prepared to begin their study at the college level. Students should select subjects in science and mathematics that will provide a well-rounded preparation for further study. For a statement of general undergraduate and graduate admission requirements, see the admissions (https://catalog.uidaho.edu/student-services/admission/) portion of the catalog.

Facilities and Equipment

The college is housed in several buildings across campus with most of the disciplines housed in their own facility. These facilities contain teaching and research laboratories, classrooms, and faculty and administrative offices. An extensive array of analytical and other scientific equipment ensures state-of-the-art, hands-on training in all aspects of the sciences.

Scholarship and Loan Funds

Students interested in scholarships should refer to Student Financial Aid Services (https://www.uidaho.edu/financial-aid/). Individual scholarships (totaling approximately half a million dollars) are awarded each year by the College of Science. In general, there is no application process for these awards: all students majoring in the college will be considered for merit-based scholarships for which they are eligible. To be considered for need-based scholarships, students must have completed the Free Application for Federal Student Aid (FAFSA). Details on specific awards can be obtained by writing to the Associate Dean of the College of Science (PO Box 443025, University of Idaho, Moscow, ID 83844-3025) or by emailing science@uidaho.edu.

Departments and Programs of Instruction

The college includes the departments of Biological Sciences, Chemistry, Geography and Geological Sciences, Mathematics and Statistical Science, and Physics. Faculty from the College of Science participate in the interdisciplinary programs of Environmental Science, Neuroscience, Bioinformatics and Computational Biology, and Bioregional Planning and Community Design. The college also has affiliation with the Idaho Geological Survey.

Undergraduate Research Opportunities

The college prides itself in providing opportunities for undergraduate students to work with our faculty on research projects. We believe that the best way to experience the excitement of science is through hands-on research and that these opportunities characterize an education at a research-active university. Each year, the College of Science offers fellowships to support undergraduate research projects and hosts a student research exposition at which graduate and undergraduate students display their work.

See regulation J for general university requirements for degrees. Specific requirements for degrees offered within the college are included in the departmental listings.

Undergraduate Programs

The College of Science offers bachelor's degrees in biochemistry, biology, medical sciences, microbiology, chemistry, climate change and solutions, earth and spatial sciences, geographical information systems, geology, mathematics, statistics, and physics.

Many of the majors within the college have more specific option selections. For example, there is a Forensic Science Option within the Chemistry major, a Mathematical Biology Option within the Mathematics major, and an Actuarial Science major within the Statistics major.

Academic minors are offered by every department within the college. See departmental sections for details.

Graduate Programs

The College of Graduate Studies offers advanced degrees in many disciplines in the College of Science.

The Master of Science degree (M.S.) is available in bioinformatics and computational biology, biology, neuroscience, chemistry, geographic information science, geography, geology, groundwater hydrology, mathematics, statistical science, and physics.

The Master of Arts in Teaching degree (M.A.T.) is available in mathematics.

The Doctor of Philosophy degree (Ph.D.) is available in bioinformatics and computational biology; biology; microbiology, molecular biology, and biochemistry; neuroscience; chemistry; geography; geology; mathematics; and physics.

See departmental sections for details.

Certificate Programs

Certificate programs are offered in bioinformatics and computational biology, professional applications of data science, climate change, environmental hydrogeology, geographic information systems, data science, and statistics.

Preparatory Programs in Medicine and Dentistry

Students interested in preparing for postgraduate education in health professions may, with proper advising and preparation, choose an undergraduate major in almost any field. Students are encouraged to select a major in an area that reflects their interests and aptitudes, and then simultaneously complete prerequisite coursework for admission to their graduate programs of choice. Comprehensive pre-health professions advising (https://www.uidaho.edu/student-resources/academic-advising/pre-health-advising/) and a Pre-Health Professions Studies minor (https://catalog.uidaho.edu/colleges-related-units/science/pre-

health-professions-studies/) are available to all interested students, regardless of their undergraduate major.

Teacher Education Program

Students preparing for secondary-school teaching in science or mathematics can do so by completing one of the degree options in the College of Education, Health, and Human Sciences (https://catalog.uidaho.edu/colleges-related-units/education-health-human-sciences/) or through pursuing a major within the College of Science plus additional coursework to meet certification requirements. Students interested in this second option should consult with an advisor in their chosen discipline to plan the appropriate course selections.

Major Curricula

The departmental requirements are stated under the respective curricula.