The Department of Biological Sciences offers students a range of courses that span from the subcellular to the ecosystem levels. There are a variety of options for beginning the study of Biology at Dartmouth and the Department offers a placement/advisory test to help students choose the appropriate starting point. The placement/advisory test will be available to members of the class of 2021 over the summer online via Canvas. Details about courses for first-year students can be found on our website (https://biology.dartmouth.edu/welcome-class-2021). Areas of faculty research are diverse, ranging from cell signaling to neurobiology to animal behavior, utilizing a wide range of organisms including bats, rice, worms, flies, and algae. Faculty welcome undergraduate researchers as active contributors to faculty research projects. The Department also offers a foreign study program in tropical ecology in Costa Rica and the Caribbean that is offered each Winter term.

Location: Class of 1978 Life Sciences Center
Phone: (603) 646-2378
Email: biology@dartmouth.edu
Website: https://biology.dartmouth.edu/
This is an exciting time to be a technologist and to see the impact of technology on our lives and the world. We are excited to be training the next generation of technologists. Whether you are a computer scientist, a neuroscientist, economist, linguist, biologist, earth scientist, or political scientist, there is no doubt the technology revolution is dramatically altering your field of interest. The twenty-two Computer Science faculty offer courses and have expertise in everything from Robotics, to Computer Graphics, Computer Vision, Machine Learning, Mobile Computing and Sensing, Security, Computational Biology, and more. We offer a flexible major, minor, and modified major in Computer Science. Many of our students combine Computer Science with majors across the Arts and Humanities, Social Sciences, and Sciences. We also offer a 4+1 program in which you can earn your Masters degree with just one extra year of graduate-level courses.

Our introductory course — COSC 1 — is designed to be accessible to students with no background in computer programming. Many students reflect that this course was one of their favorites.

**Location:** 102 Sudikoff  
**Phone:** (603) 646-1358  |  **Email/Contact:** susan.j.perry@dartmouth.edu  
**Website:** www.cs.dartmouth.edu
The Department of Earth Sciences (EARS) is devoted to the study of how our Earth works. Working with faculty, our students learn and pursue research under the broad category of environmental geosciences, including both the modern “Anthropocene” and past environments such as those during the evolution of early life. As an applied science, our work integrates fundamental ideas from biology, chemistry, physics, engineering, and computer science. In our research, we combine field studies with laboratory-based and theoretical studies of fundamental processes affecting the Earth’s surface through geologic time. Our students find career opportunities in the environmental, engineering, mining, teaching, exploration and geophysics fields, and in hydrology, space science, and oceanography. The Department works to provide a friendly atmosphere for all students who have a wide range of interests. The small size of the department enables students to have regular access to our faculty and we encourage collaboration with other professors across the campus and beyond. We feel strongly that these factors make our Department a unique and exceptional opportunity for outstanding students interested in undergraduate study in Earth Sciences.

Location: Sherman Fairchild Hall
Phone: (603) 646-9037
Website: http://earthsciences.dartmouth.edu/
Welcome to Engineering Sciences! If you want to have an impact on the world, experience engineering, the most popular science major at Dartmouth — and equally popular with women and men. Our project-based approach emphasizes human-centered design, hands-on learning, teamwork, and creating working prototypes to solve real-life problems in medicine, energy, communications, and other areas of human need. Don’t worry if you’ve never used a tool before. Our maker spaces and project lab instructors will teach you how to design and build your projects. We’ll teach you how to pursue patents and start, finance, and grow a technology business. You can modify the Engineering major with any of the sciences, economics, environmental studies, math, public policy, or studio art. Computer science and physics majors can pursue a joint AB/Bachelor of Engineering program. We offer foreign study programs in Denmark, Germany, Hong Kong, and Thailand. We also offer numerous courses for non-majors so everyone can gain the problem-solving skills and technical savvy needed to make a difference in our increasingly technology-driven world.

Location: 14 Engineering Drive, Thayer School of Engineering at Dartmouth
Phone: (603) 646-2230
Contact: Jenna Wheeler, Undergraduate Programs Administrator, (603) 646-3677
Website: engineering.dartmouth.edu
Welcome Class of 2021! In the Environmental Studies Program, we motivate and prepare students to rise to the challenges and opportunities associated with human-environment interactions. Environmental degradation is an escalating problem from local to global scales. Training students to understand and address these environmental problems is our core mission; it is why we believe that Environmental Studies is an essential component of a modern liberal arts education.

To meet the needs of our students, we offer a major in Environmental Studies and three minors: Environmental Studies, Environmental Science, and Sustainability. We also offer the Africa Foreign Study Program that travels to South Africa, Lesotho, and Namibia where we explore the themes of Environmental Studies within the particular environment, culture, and history of the southern Africa region.

Location: Steele Hall, Room 112  
Phone: (603) 646-2838  
Email/Contact: Kim.Wind@Dartmouth.edu  
Website: [http://envs.dartmouth.edu/](http://envs.dartmouth.edu/)
Majors in Astronomy, Physics, and Engineering Physics are designed to provide students with a solid foundation in analytic thinking, problem solving, and the fundamentals of Physics and Astronomy. Our undergraduates can be actively involved in hands-on research at a variety of levels, from first-year projects, to summer internships and senior honors theses. The Astronomy FSP is based in South Africa at the South African Astronomical Observatory (SAAO), one of the darkest observatories on Earth. Introductory courses are offered at a number of levels: you can begin a major at Dartmouth even if you’ve never had any physics or astronomy before. There are also introductory sequences designed for students with advanced placement in just math, or in both math and physics. Information on specific tracks and placement, course sequences, and research activities led by our faculty, is available on the undergraduate and research pages of our Department website. We look forward to talking with you at our Open House during New Student Orientation.

Location: 105 Wilder Laboratory
Phone: (603) 646-2854
Email: physics.department@dartmouth.edu
Website: physics.dartmouth.edu/undergraduate/information-new-students
For information on the Science departments or programs not included in this newsletter, please see below:

**Chemistry**: [http://chemistry.dartmouth.edu](http://chemistry.dartmouth.edu)
**Mathematics**: [https://math.dartmouth.edu](https://math.dartmouth.edu)