

Over the last few decades, Tufts has won the reputation of being one of the top 'green' schools in the nation. With nearly 300 courses related to the environment, we are training our students to become leaders in all environmental fields. We have major research programs in environmental law & diplomacy, environmental science & engineering, urban planning, energy, water, and health. In 2012, Tufts University President Anthony Monaco convened the Campus Sustainability Council which created goals for water, energy & emissions, waste, and cross-cutting issues. Tufts plays a crucial role in helping the world adapt to a changing planet while tackling such challenging issues as climate change and resource depletion. Our goal is to be responsible stewards of the physical environment by cultivating knowledge of sustainability issues and sustainable solutions across disciplines in our students, staff, and faculty. Tufts has a legacy of leadership in sustainability, beginning with the establishment of the Talloires Declaration in 1990. Learn more at [tufts.edu/environmentalcommitments](http://tufts.edu/environmentalcommitments)

### Degree Programs

<b>International Environment and Resource Policy (Fletcher School of Law and Diplomacy)</b>	<p>The IERP program at the Fletcher school demonstrates how environment and resource issues are integral to the ongoing economic development process and critical to the security of societies. The role of science in developing sound policies is emphasized, as is the role of technology choice and the policies that influence them. Clashes such as those that occur between trade and environmental treaty regimes, forest protection and sovereignty and between developed and developing countries create new challenges for international diplomacy. The program emphasizes the need to utilize multiple disciplinary tools from science, economics, politics, law and engineering in developing sustainable solutions.</p>
<b>Master of Science in Conservation Medicine (Cummings School of Veterinary Medicine)</b>	<p>The MCM program demonstrates Tufts' commitment to the One Health approach in health education. MCM is a twelve-month program designed to build upon individual students' disciplinary strengths, provide foundational knowledge in emerging conservation medicine issues, and foster cross-sectoral collaboration. Graduates of the program are uniquely prepared to enter a broad variety of health and policy careers, and are equipped with an integrated understanding of human and environmental health distinct from more narrowly-focused traditional programs.</p>
<b>Environmental Studies (School of Arts and Sciences and School of Engineering)</b>	<p>Founded in 1984, The ENVS Program was one of the first multidisciplinary environmental programs in the United States. It is an undergraduate program. ENVS students and alumni have become effective practitioners and advocates for the environment in medicine, law, finance, industry, government, and other academic fields.</p>
<b>Agriculture Food &amp; Environment Program (Friedman School of Nutrition Science and Policy)</b>	<p>The AFE program fuses the disciplines of nutrition, agricultural and environmental sciences, and public policy. Students in the AFE degree program learn to evaluate the ecological, political, economic and social aspects of food production and distribution. This program aims to educate future leaders at the nexus of agriculture, food, and environmental science and policy, and empower them by providing rigorous training, an ethic of social change, and an intellectual community generating visions and models of alternative systems.</p>
<b>Urban and Environmental Policy and Planning (Graduate School of Arts and Sciences)</b>	<p>The UEP program prepares a new generation of leaders – 'practical visionaries' – who will contribute to the development of inclusive and sustainable communities. A nationally accredited program, it is distinct from many other planning and policy programs by having a strong social justice focus. Tufts UEP graduate students learn to engage and confront the social and environmental challenges in today's world of rapid urbanization.</p>
<b>Civil and Environmental Engineering (School of Engineering)</b>	<p>The mission of CEE Department is to educate civil and environmental engineering students to become leaders in the solution of important societal problems of twenty-first century. Technically rigorous and broad in scope, our programs focus on the interactions between the natural and built environments. CEE programs make extensive use of information technology for managing complex systems and for integrating the teaching, research, and design components of engineering education. Our program breadth includes linkages between engineering disciplines such as environmental, geosystems, and chemical engineering, as well as interdisciplinary studies in areas such as architecture, earth and ocean sciences, chemistry, and environmental policy.</p>
<b>Water: Systems, Science and Society (Multiple schools)</b>	<p>The WSSS graduate research and education certificate program was launched in 2004 to provide students with interdisciplinary perspectives and tools for managing water-related problems around the world. To ensure a strong knowledge base in their chosen field, WSSS students must pursue a graduate degree at one of the participating schools. The WSSS requirements add to the student's degree requirements, but because of electives and co-listed courses are usually a significant burden. The WSSS program has two tracks: a research track and a practicum track, both of which are described below. Other aspects of WSSS include the WSSS Fellows program, the annual WSSS Newsletter, and the annual WSSS Symposium.</p>
<b>Doctorate in Public Health (Tufts University School of Medicine)</b>	<p>This degree's interdisciplinary curriculum draws from across the University's distinguished graduate schools in medicine, nutrition, veterinary sciences, dentistry, engineering and international relations. Students learn from nationally and internationally renowned faculty who bring with their public health training a wide range of expertise in law, medicine, veterinary medicine, sociology, anthropology, environmental science and engineering, nutrition, infectious diseases, communication, social work, and global health.</p>

### Research Institutes /Centers

<b>Tufts Institute of the Environment (TIE)</b>	TIE is an interdisciplinary, university-wide institute that initiates, facilitates, and promotes environmental education, research, and outreach toward a sustainable future. TIE is the hub for environmental research, teaching, and leadership at Tufts. It supports many research projects, hosts and co-sponsors events, and highlights the ongoing and growing number of environmental activities across campus and globally.
<b>Office of Sustainability (OOS)</b>	OOS serves as a resource, a catalyst, and an advocate for environmental sustainability at Tufts, often serving as the bridge between ideas and their practical implementation. The OOS is supported by the university and works to: (i) Ensure that Tufts' efforts are comprehensive and focused on meaningful projects, (ii) Identify, evaluate, and implement opportunities for leadership (iii) Promote the strength of Tufts sustainability efforts, including those of faculty and students (iv) Measure and report on Tufts' progress toward commitments and regional goals (v) Identify sustainability opportunities that may provide Tufts with additional benefits such as educational opportunities, reduced risk, financial savings, and avoided problems/fines (vi) Coordinate among other existing programs and sustainability efforts (e.g., food, landscaping, transportation, planning and policy, personal action, and education) and (vii) Integrate sustainability issues into research, scholarship and student life.
<b>Center for International Environment and Resource Policy (CIERP)</b>	Established in 1990, the CIERP integrates environmental science and engineering with economics, law, and policy. Housed within the Fletcher School of Law and Diplomacy, the center works to educate students in the complex nature of formulating effective environmental strategies and solutions, preparing them for work in intergovernmental organizations, multinational corporations, and NGOs. CIERP offers several opportunities for students to engage in a number of initiatives, including a number of student-run environmental organizations, internships, jobs, and fellowships.
<b>Global Development And Environment Institute (GDAE)</b>	GDAE is a research institute at Tufts University working to reshape economic theory and policies to promote sustainable, equitable development through innovative research and curriculum materials. GDAE is actively collaborating with various partners on issues of climate policy, ecosystem implications of bioenergy, and carbon storage in forests and soils.
<b>Institute for Global Leadership (IGL)</b>	IGL is an incubator of innovative ways to educate learners at all levels to understand and engage with difficult global issues. We develop new generations of effective and ethical leaders who are able and driven to comprehend complexity, reflect cultural and political nuance, and engage as responsible global citizens anticipating and confronting the world's most pressing problems.
<b>Stockholm Environment Institute (SEI)</b>	SEI is a sustainable development research organization that conducts applied scientific research to bring the best available science to policymakers. SEI's U.S. branch is a research affiliate of Tufts. In addition to providing policy-relevant analyses, SEI builds capacity in the developing world for integrated sustainability planning through training and collaboration on projects. Their decision-support tools for energy and climate mitigation and water resources are widely used. SEI work is interdisciplinary in nature: drawing upon engineering, economics, ecology, ethics, operations research, international relations, and software design.
<b>Clinical and Translational Science Institute (CTSI)</b>	CTSI was established in August 2008 with a grant (the Clinical and Translational Science Awards, CTSA) from the National Institutes of Health (NIH). Our promotion of collaborative, cross-disciplinary, full-spectrum translational research has a substantial impact on how research is done, at Tufts and beyond. Tufts CTSI reflects Tufts' unique emphasis on community in biomedical research by including multiple hospitals and health plans, industry leaders, community organizations, and other participants who share our vision, in Massachusetts and nationally. We span many of the schools of Tufts University, its affiliated hospitals across Massachusetts and Maine, participating universities, community organizations, and non-profit and for-profit organizations.
<b>Water Diplomacy</b>	
<b>Water Diplomacy Integrative Graduate Education and Research Traineeship (IGERT)</b>	The Tufts Water Diplomacy (IGERT) Program is an innovative and integrative approach to address complex water problems. With support from the National Science Foundation, the program offers fellowship awards for highly motivated doctoral students, enabling them as the next generation of Water Diplomats to envision a different future for water and transform their understanding of water—from a fixed into a flexible, sustainably shared resource—in order to create new avenues for negotiating and resolving water conflicts.
<b>Environmental Initiatives at Tufts</b>	
<b>STARS</b>	In 2015, Tufts earned a silver STARS certification. STARS is a transparent, self-reporting framework for colleges and universities to measure their sustainability performance.
<b>Tufts Recycles!</b>	Tufts Recycles! was launched by students in 1990 and today is a robust program of the Facilities Services department on all three campuses. Recycling bins for cardboard, paper, bottles and cans are located throughout the university's administrative and academic buildings. Tufts Recycles! works closely with many partners to ensure that campus recycling reaches its fullest potential and achieves a "zero-waste" status.
<b>One Health Initiative</b>	As part of a continuing effort to promote innovative, interdisciplinary methods of teaching health at Tufts, TIE has developed a seminar entitled "One Health: Interdisciplinary Approaches to People, Animals, and the Environment." This seminar brings together faculty from three different Tufts campuses to teach students about the complex and integrated nature of the problems associated with human, animal, and ecosystem health.
<b>Initiative for the Forecasting and Modeling of Infectious Diseases (InForMID)</b>	The Tufts InForMID was established to conduct research and provide a venue for training in the fields of computational epidemiology, conservation medicine, biostatistics, and bioinformatics with the emphasis on public health applications. The mission of the initiative is to improve the quality of bio-medical research at health care by developing innovative analytical and computational tools and systems to life-science researchers, public health professionals, and policy makers. The Initiative offers training opportunities and hands-on experience in research and practical applications for an audience with wide range of professional backgrounds.

<b>Campus Sustainability Council (CSC)</b>	The Tufts CSC, convened by President Anthony Monaco in 2012, set university-wide goals for waste, water, and energy & emissions. Each year, the university reports on these goals in the Sustainability Progress Report available at: <a href="http://go.tufts.edu/sustainabilityprogress">go.tufts.edu/sustainabilityprogress</a>
<b>TIE Initiatives</b>	
<p>The Tufts Institute of the Environment (TIE) is an interdisciplinary, university-wide institute that initiates, facilitates, and supports environmental education, research, outreach, and service toward a sustainable future. TIE was created in 1998 in response to a need that developed out of the rich history of earlier environmental programs and activity at Tufts University. As early as 1962, Tufts offered environmentally focused classes, long before most other universities saw the need for such programs. Today, with core funding from the Provost Office, TIE is the hub for environmental research, teaching, and leadership at Tufts. TIE supports many research projects, hosts and co-sponsors events, and helps to highlight the environmental activities on-campus. Disciplinary foci range from agriculture to environmental policy, and conservation medicine to health.</p>	
<b>Tufts Environmental Alumni Association (TEA)</b>	TEA seeks to unite Tufts University alumni around the world who share a common interest in environmental issues and policies. The association will provide its members with information resources, a venue to share their combined learning and life experience, a forum for discussion and debate, and educational and service opportunities. The association connects with the University as part of a greater effort to maintain and enhance Tufts' leadership role in environmental affairs
<b>TIE Fellowships</b>	Matriculated graduate students at any of Tufts University's graduate programs and professional schools are eligible to apply for TIE fellowships to conduct interdisciplinary environmental research projects. This is an opportunity to recognize and provide greater visibility for stellar interdisciplinary students and their work. These fellowships allow TIE to further support and provide greater visibility for outstanding students and their environmentally-related work.
<b>Travel Grants</b>	TIE provides two types of awards to offset the costs of environmental research and conference attendance. The TIE Conference Travel grant is intended for use towards transportation costs and conference registration fees for Tufts students who are presenting at environmental conferences, meetings, and workshops, and the Data Collection Grant is Intended for use towards transportation costs for Tufts students who are collecting data for research that is specifically environmental focus in other countries and locations.
<b>Course Development Grants</b>	Course Development Grants offer funding opportunities to recipients interested in developing and teaching an interdisciplinary environmental course at Tufts. This grant program seeks to encourage creative interdisciplinary collaborations to develop course targeted to a wide range of graduate and/or undergraduate students.
<b>Grant Writing Workshop</b>	Co-hosted by TIE, the Office of Proposal Development & the Tisch Library Research & Instruction Office, this workshop provides students with tools to turn good ideas into great proposals that can attract funds for independent research projects through presentations from experts, interactive activities to illustrate the competitive process, and opportunities for feedback on personal research ideas.
<b>Tufts Energy Conference (TEC)</b>	TEC is an annual student-run conference featuring panels of business leaders and policy experts, as well as networking events. The conference examines various environmental, security, and economic facets of the global energy crisis.
<b>Research Opportunities for Graduate and Undergraduate Exchange (ROGUE)</b>	ROGUE promotes collaboration between graduate and undergraduate students by matching graduate students' environmental research projects with undergraduate research assistants.
<b>Student Internships</b>	TIE offers a wide array of internships for both undergraduate and graduate students. In addition to providing general office support, interns have taken leadership roles at TIE, planned and executed the Solar Decathlon, organized major conferences, written and distributed newsletters, updated the website, created the Tufts Environmental Alumni (TEA) network, researched environmental initiatives, and planned events.
<b>Programs &amp; Initiatives at TIE (Historic) - Not to be included in Brochure</b>	
<b>TELI</b>	The Tufts Environmental Literacy Institute (TELI) is a multi-day faculty development workshop for enhancing faculty environmental literacy, with a goal of assisting participants to incorporate these themes into existing or new courses. The broader goal of TELI is to increase knowledge of environmental themes among all Tufts students and to enable them to effectively engage with the issues that will affect their generation. In order to foster a climate of interdisciplinary scholarship, the program specifically recruits faculty participants from a wide range of disciplines.
<b>Faculty Roundtable</b>	A themed faculty roundtable was created to identify university-wide research, teaching, and practice related to the environment. Convened by TIE, this faculty roundtable was initiated to establish a framework for discussions around sustainability at Tufts University. Participants of the first meeting on October 1, 2010 decided that a directional rather than targeted approach towards sustainability research, education, and service would be most appropriate, due to large uncertainties related to this topic. The roundtable will continue with an organizing theme. The theme for 2012—2013 was Civic Engagement.
<b>TIE Talks</b>	TIE Talks, inaugurated in Spring 2012, are monthly gatherings in which environmental faculty, staff, students, and alumni speak about their work in a casual setting. A theme for the talks is established each semester, with speakers addressing that theme in their presentations from their own perspectives. In 2013, the theme was Water and Agriculture, for which TIE held six talks and co-hosted an event at the Aidekman Art Gallery related to this theme.
<b>Dow SISCA</b>	The Dow Sustainability Innovation Student Challenge Award (SISCA) was an annual student award for innovative sustainability projects. Tufts graduate student graduate student teams who created an innovative concept, device, product, process, or system targeting broad global sustainability challenges were eligible to win up to \$10,000. TIE worked closely with the Provost's office to administer the awards for Tufts; additionally, TIE's Administrative Director sat on the interdisciplinary selection committee.
<b>CCCJ</b>	The Tufts Initiative on Climate Change and Climate Justice (CCCJ), a committee comprising faculty, staff, and students, has promoted climate justice education awareness, and active citizenship among Tufts students for over four years. Taking a proactive approach, the CCCJ has focused on curriculum development toward the goal of increasing total course offerings on climate change. The challenges of climate change and climate justice are vast, requiring a broad, interdisciplinary approach to solving the most difficult problems of current and future generations. The protection of disadvantaged populations is a concern central to the CCCJ initiative, which has received wide-ranging support from affiliated offices and faculty.

<b>Arctic Initiative</b>	TIE collaborated with the Cummings School of Veterinary Medicine and the Initiative for the Forecasting and Modeling of Infectious Disease (InForMid) to host a two-day workshop in April 2010 on issues of climate change and public health in the Arctic. The workshop featured speakers on a range of topics, and discussions focused on solutions in medicine, policy, community empowerment, and economic development. After the success of the workshop, TIE plans to develop future opportunities with the intent of facilitating discussion and research on health and development in the Arctic region.
<b>Rio+20</b>	In June 2012, TIE helped send a delegation of graduate students and faculty members to Rio de Janeiro for the Rio+20 United Nations Conference on Sustainable Development. Students documented their experience at the conference on their blog, Jumbos in Rio. TIE also co-sponsored an event at the conference called, "From Burden Bearing to Opportunity Sharing: Reframing Environmental Negotiations," proposing that environmental negotiations should not just be a debate about pollution control but rather should be used to promote sustainable development, improved health, and cleaner energy technologies.
<b>Climathon</b>	Created by the European Institute of Technology's Climate-KIC Program, the Global Climathon will be held in cooperation with major universities, research centers, and government facilities across North and South America, Europe, Africa, Asia, and Oceania. Local officials, experts, and developers will share insights on the city's greatest risks and opportunities for innovation, along with workshops on emerging technology, followed by a 24-hour team-based hacking competition. Finalists will receive extended support to complete their projects, and one will be chosen to present at the UN's COP21 climate change conference in Paris. Tufts Institute of the Environment will lead the New England regional marathon to address the need for climate change resiliency related to sea level rise in the greater Boston area.
<b>Solar Decathlon</b>	Solar Decathlon 2009 was a competition in which 20 teams of university students competed to design, build, and operate the most attractive, effective, and energy efficient solar-powered house. The Solar Decathlon was also an event to which the public were invited to observe the powerful combination of solar energy, energy efficiency, and the best in home design.
<b>US Water Partnership</b>	Tufts Institute of the Environment became a member of the USWP on June 20th, 2012 at the global unveiling of the partnership at the Rio+20 conference. Over the past year as a member, we have attended meetings and workshops with like-minded water professionals from the public and private sectors. While TIE is the official member, we were solicited to join on the merits of the WSSS program as an academic model for integrated water education and research.
<b>Climate Change: The Role of the University</b>	This is the 25th anniversary of the Talloires Declaration, the pioneering commitment by university leaders to environmental sustainability that was spearheaded by Jean Mayer, the president of Tufts University at the time. Today there are over 499 signatories to this Declaration from more than 55 countries. As the world moves to implementing the Paris Agreement, universities will play a critical leadership role in developing green technologies, assessing and crafting low-cost policies to help the world make the shift to a low carbon society, and to train the next generation of leaders in the importance of sustainability in both developed and developing economies. The symposium will also consider institutional actions the University can take, including fossil fuel divestment. An October 2015 meeting with representatives from the board of trustees, the administration, the faculty, and Tufts Climate Action resulted in the commitment to a University symposium on these issues. The symposium is a University-wide examination of the role Tufts in particular and universities more generally can play on this issue, and students, faculty, and the administration have shared in its planning and execution.
<b>NCSE</b>	On January 15-16, 2013, TIE ran a panel discussion and workshop on "Coastal Cities: Planning for Resilience, Adaptation, and Sustainability" at the National Council on Science and the Environment (NCSE) conference, "Disasters and Environment: Science, Preparedness and Resilience." The panel was moderated by Tufts Professor Kent Portney, with New England based speakers discussing the who, what, and how of adaptation plans; nine recommendations came out of the workshop that will be used by the NCSE to brief policy makers. With over 125 attendees at the two events, Tufts made a significant contribution to the conference.
<b>Storytelling Initiative</b>	The Chixoy Dam Storytelling Initiative presented a compelling and unique combination of communication technology and environmental research to reach wider audiences through the medium of storytelling. The development of the Chixoy project at TIE led to the design of a novice methodology: to transform academic content into a story that can be widely accessible to people through the use of new media. TIE hopes to continue this type of innovative research and dialogue process in the future.
<b>WSSS Droplets (Event)</b>	Droplets: Short Presentations About Water was a WSSS event co-sponsored by the Aidekman Art Gallery. Throughout eight brief presentations given by Tufts undergraduate and graduate students, audience members learned about a range of water-related topics in just two hours.
<b>COP22</b>	