Institute for a Sustainable Environment (ISE)

At the Institute for a Sustainable Environment (ISE), we work closely with faculty experts in philosophy, environmental science, biology, political science, literature, engineering and business to help our students meet the environmental and sustainability challenges of a swiftly changing world. We offer sustainability-related majors, minors and research opportunities to students in a setting that feels like a small liberal arts institution. These programs provide our students with unique course options, flexible and personalized curricula and critical hands-on experiences in a technology-rich environment that set them apart in their chosen fields after graduation.

### AREAS OF STUDY
- Environmental Health Science (major)
- Environmental Policy (minor)
- Environmental Science (minor)
- Environmental Science & Policy (major)
- Ergonomics (concentration)
- Industrial Hygiene (concentration)
- Sustainable Solutions for the Developing World (minor)
- Environmental Engineering (major, minor)
- Sustainable Energy Systems (minor)

### SAMPLE COURSES
- Environmental Science
- Conservation Biology
- Environmental Communication
- Environmental Toxicology
- Environmental Law
- Environmental Monitoring & Analysis
- Groundwater Hydrology & Geochemistry
- Environmental Policy
- Industrial Ecology
- Energy Policy

### STUDENT TO FACULTY RATIO
13:1

2/3 of our classes have less than 30 students

Only ISE professors teach classes

### RESEARCH
Real-world, cutting-edge research opportunities are open to all undergraduate students at Clarkson. Many of our faculty members open their labs and sponsored research projects to undergraduate students who are interested in learning and contributing.

- **9** Goldwater Scholars in the last 5 years
- **23.2%** Students have been involved in hands-on research projects, with faculty, on average over the past 5 years
- **$16+M** Research dollars brought in by faculty projects in 2017

### JOIN SUSTAINABILITY EFFORTS ON CAMPUS
- Join the Garden Club to grow fresh organic vegetables for our campus community.
- Help design, install and evaluate the new ducted wind turbine on campus.
- Collect and feed food waste to the campus anaerobic digester.
- Walk, hike and bike our wooded trail system or paddle the Raquette River with the Outing Club.
- Analyze data from the campus solar and wind power systems or the Smart Housing facility.
- Tag along with the Sustainable Synergy club on Sustainable Fridays to complete campus projects.
- Design and test a zero-emission snowmobile with a SPEED team.
- Join Engineers for International Sustainability to design low-cost solutions for clean water or energy. Help the campus reach its climate action goal — to achieve net zero greenhouse gas emissions by 2025.
INTERNSHIP & CO-OP EXPERIENCES
At Clarkson, we understand that having real-world work experience on your resume sets you apart in competitive job markets. Students at Clarkson have at least one, if not many, internships and/or co-ops at top companies across the nation.

Examples of Internship & Co-op Fields
Community Development
Environmental Health & Safety
Sustainability
Environmental Science
Waste Treatment Engineering

LIVING & LEARNING OFF-CAMPUS EXPERIENCES
While Clarkson’s 640-acre wooded campus is already home to ample outdoor opportunities for classes, labs and extracurricular activities, we also offer exchange and travel programs for our students to live in and explore other types of natural environments.

Adirondack Semester – Live for a semester as a resident explorer, environmental scientist and policy advocate of the six-million-acre Adirondack Park, one of the largest protected landscapes in North America.

Devil’s Thumb Ranch – Develop sustainable solutions for energy, waste or land use during a two-week class trip to an ecotourism resort high in the Rocky Mountains.

International Learning & Community Service Trips – Whether it’s Uganda, the Dominican Republic or Nicaragua, learn firsthand how to partner with communities to bring clean water, clean energy and prosperity to people in developing countries.

Clarkson Ignite
Our entire campus is a place where innovation and entrepreneurship are a way of life. Clarkson Ignite is a call to action and constant reminder to our students that innovation drives everything. For more information on Ignite, visit clarkson.edu/ignite.

Graduate Programs
Clarkson offers both master’s and PhD programs in several environmental disciplines. For more information on these programs, visit clarkson.edu/graduate.

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