Wallace H. Coulter School of Engineering

At the Wallace H. Coulter School of Engineering, we recognize that engineers don’t work in isolation, so our curriculum is team-based and interdisciplinary, just like today’s workplace. We also understand the importance of learning by doing, so we work hard to provide opportunities for every engineering student to do hands-on projects that combine science, technology, arts and business. Our motto, “Technology Serving Humanity,” emphasizes our dedication to innovation and focus on the economics, ethics and environmental impact of every engineering decision.

AREAS OF STUDY
Aeronautical Engineering (major)
Architectural Engineering (concentration)
Biomedical Engineering (minor)
Biomedical Science & Technology (minor)
Biomolecular Engineering (concentration)
Chemical Engineering (major)
Civil Engineering (major)
Computer Engineering (major)
Construction Engineering Management (concentration)
Electrical Engineering (major, minor)
Electrical Power Engineering (concentration)
Engineering & Management (major)
Engineering Science (minor)
Environmental Engineering (major, minor)
Mechanical Engineering (major)
Software Engineering (major, minor)
Structural Engineering (concentration)

Sustainable Energy Systems Engineering (minor)
Sustainable Solutions for the Developing World (minor)

SAMPLE COURSES
Aircraft Design I and II
Biomedical & Rehab Engineering, Science and Technology
Construction Planning and Management
Sustainable Infrastructure and Building
Biochemical Engineering
Electromagnetic Fields and Waves
Strength of Materials
Design of Propulsion Systems

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.

<table>
<thead>
<tr>
<th>9</th>
<th>23.2%</th>
<th>$16+M</th>
</tr>
</thead>
<tbody>
<tr>
<td>Goldwater Scholars in the last 5 years</td>
<td>Students have been involved in hands-on research projects, with faculty, on average over the past 5 years</td>
<td>Research dollars brought in by faculty projects in 2017</td>
</tr>
</tbody>
</table>
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 Internships & Co-ops
- Construction Management
- Hardware Engineering
- Transportation Engineer
- Technology
- Thermal Systems Design
- Wastewater Treatment Engineering

THE ULTIMATE LEARNING BY DOING: SPEED TEAMS

The Coulter School of Engineering is home to 14 student-run SPEED teams, all of which give students hands-on, collaborative experience in designing, prototyping, building and testing. Many of the teams compete in national competitions. Every engineering student can find and join a team (or two) that interests them.

Teams include:
- Chem E Car — 2018 AIChE Northeast Regional Champions
- Design, Build, Fly — 2018 AIAA International Champions

- Baja SAE
- Bridges to Prosperity
- Concrete Canoe
- Construction Management
- Engineers for International Sustainability
- FIRST Robotics
- Formula SAE
- Formula SAE Electric
- Human-Powered Vehicle
- SAE Clean Snowmobile
- Steel Bridge
- Timber Bridge

CLASS OF 2017

Partial List of Employers
- BorgWarner
- Estée Lauder
- Hewlett Packard
- Lane Construction Corp.
- Lockheed Martin
- National Grid
- Naval Nuclear Lab
- Naval Nuclear Lab
- Whiting-Turner

Partial List of Graduate Schools
- Cornell University
- Duke University
- MIT
- Michigan State University
- Penn State University
- University of Rochester
- University of Virginia
- Villanova University

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 numerous engineering disciplines. For more information on these programs, visit clarkson.edu/graduate.