

## **Ph.D. Openings in Mechanics of Materials**

*Department of Mechanical & Aerospace Engineering, University of Florida*

The Hartquist Research Group in Mechanical & Aerospace Engineering at the University of Florida is recruiting for **multiple fully funded Ph.D. positions** in broad areas across mechanics, materials, and computation.

Eligible candidates will be considered to start in **Fall 2025, Spring 2026, or Fall 2026**.

### **Position Summary:**

Projects will be integrated within the interdisciplinary research directions of our group that bridge mechanics, soft materials, computation, biology, and medical devices. We study the multi-scale mechanics of failure in structures, networks, and polymers across engineering and nature to inform design of materials for important challenges in sustainability and healthcare.

Please visit the [Hartquist Research Group website](#) for more information on projects.

### **Minimum Qualifications:**

- B.S. degree in a discipline of engineering or science, including mechanical engineering, materials science, biomedical engineering, physics, chemistry, etc.
- Motivation and desire to solve important and challenging problems
- Strong written and verbal communication skills
- Demonstrated problem-solving, leadership, and research experience

### **Preferred Qualifications:**

- M.S. degree in a relevant discipline of engineering, science, or computation.
- Strong record of research experience evidenced by publications, patents, etc.
- Experimental background: demonstrated experience in solid mechanics, mechanical testing, structural characterization, and/or polymer synthesis
- Computational background: demonstrated experience in programming (MATLAB, Python, etc.), machine learning, and/or modeling (ABAQUS, etc.)

### **Application Process:**

Interested applicants should email the following to [chartquist@ufl.edu](mailto:chartquist@ufl.edu):

- A copy of their updated resume or CV
- A summary in the body of the email outlining why they are interested and how their background (research, courses, skills, tools, etc.) aligns with the group