**Georgia Tech | The George W. Woodruff School of Mechanical Engineering**

**Robotics**

The objective of the Robotics Ph.D. Program is to educate a new breed of multidisciplinary researchers in the area of robotics. This supports the expressed mission of Georgia Tech to provide education in "technology and technologically-related disciplines and interdisciplinary areas" and to recruit and educate outstanding students who will provide "leadership in a world that is increasingly dependent on technology." The program includes coursework and a strong multidisciplinary research component. The overall requirements for the Ph.D. in Robotics are available at: http://robotics.gatech.edu and http://robotics.gatech.edu/education/phd

The minimum requirements for each student in the Ph.D. program in Robotics are:

- Completion of 36 semester hours of courses with a letter grade in: A new course CS/AE/ECE/ME 7785, Introduction to Robotics Research (3 semester hours).
- Three foundation courses, each selected from distinct core areas: Mechanics, Controls, Perception, Artificial Intelligence, and Autonomy (9 semester hours).
- Three targeted elective courses, each selected from the same three core areas used for the foundation courses (9 semester hours).
- Two new courses CS/AE/ECE/ME 8750 and CS/AE/ECE/ME 8751, Multidisciplinary Robotics Research I and II (6 semester hours).
- Three courses outside the major area to provide a coherent minor in accordance with Institute policies (9 semester hours).
- A maximum of two classes (6 semester hours) at the 4000 level may be used to satisfy the 36 semester hour requirement.
- Passing a comprehensive qualifying exam with written and oral components.
- Successfully conducting, documenting, and defending a piece of original research culminating in a doctoral thesis.