

PhD in Systems Engineering

Program Contact and Title: Christos Cassandras, Ph.D., Head of the Division of Systems Engineering

College/School Contact and Title: Hua Wang, Ph.D., Associate Division Head

1. Learning Outcomes

Graduates of the PhD Program in Systems Engineering will be able to:

1. Demonstrate advanced quantitative and analytical foundations in systems, control and decision theory, optimization, simulation, and stochastic processes.
2. Formulate research problems, advance the state of the art in particular topics, and develop rigorous innovative methods and tools to model, design, analyze, optimize and manage human-made and physical systems within a broad array of applications.
3. Demonstrate proficiency in written and oral communication skills and the ability to disseminate research findings through presentations and in peer reviewed publications.