

PH.D. IN SYSTEMS ENGINEERING

The Ph.D. in Systems Engineering prepares students to become leaders in systems engineering. Throughout the program, students produce significant academic contributions, in terms of original research, to the field. These contributions drive advancements and lead to improvements in energy efficiency, environmental impact, cybersecurity, and economic growth, among other areas of application for systems engineering.

Learning Objectives

Upon successful completion, students will be able to:

1. Effectively analyze, design, or implement integrated system solutions.
2. Effectively use and create systems engineering tools such as modeling and simulation of a system.
3. Evaluate systems interfaces between stakeholder and technical domains effectively and efficiently.
4. Exemplify a variety of roles in multi-disciplinary teams including systems engineer, technical expert, and leader, product owner, upper management.
5. Contribute technically to the systems engineering field of knowledge.