PH.D. IN SYSTEMS ENGINEERING

The Ph.D. in Systems Engineering prepares students to become leaders in systems engineering. Students will produce original research that drives advancements and leads to improvements in areas such as energy efficiency, environmental impact, cybersecurity, economic growth, and more. Students will become fluent in the theoretical and technical complexities of interdisciplinary modern engineering and complete the program with the credentials to teach at the highest collegiate levels. Choose from more than 40 course options, and attend online, in-person, or hybrid.

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.