MASTER OF SCIENCE IN SYSTEMS ENGINEERING

Graduates of the Master of Science in Systems Engineering are capable of designing and managing complex multidisciplinary engineering systems with a rigorous systems engineering approach. The research component of the thesis- and project-based M.S. programs equip students with cutting edge skills in specific focus areas, preparing them for future career opportunities.

Learning Objectives

Upon successful completion, students will be able to:

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