

M.S. in Systems Engineering

Program-Level Student Learning Outcomes

Students will:

- Integrate a systems engineering process to manage stakeholder needs and system requirements, considering technological, environmental, organizational, social, and economic factors throughout the system lifecycle.
- Apply systems engineering practice and/or modeling techniques that account for and validate design architectures, development, operation, and disposal of systems.
- Employ systems engineering management methods and techniques to plan, implement, and manage system development and related decision-making.
- Apply systems thinking principles to complex systems engineering, including subsystem interactions, feedback loops, emergent behaviors, decision-making processes, system performance, and real-world constraints.