

# MASTER OF ENGINEERING, PLAN C, SYSTEMS ENGINEERING SPECIALIZATION

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Gain advanced industry skills with the Master of Engineering program, preparing students for industry career opportunities. This degree can be completed with coursework only, meaning there is no thesis or project required, but students can opt to complete an applied project with a faculty member. This program is designed for working professionals who want to master their understanding of systems engineering but who are not interested in academic research. 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. Use systems engineering thinking and frameworks to effectively design, analyze, and implement integrated systems solutions.
2. Effectively use applied Systems Engineering tools such as modeling and simulation of a system (including digital twinning), risk analysis, or other skills required for systems engineering professional roles.
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.