

DOCTOR OF ENGINEERING IN SYSTEMS ENGINEERING

The Doctor of Engineering in Systems Engineering degree is intended for working professionals and includes core studies in complex systems engineering and its applications to complex systems in a working environment. The curriculum includes professional and applied/translational courses, a systems engineering practicum, and a dissertation to assist working professionals in attaining a higher level of value for their organizations.

Learning Objectives

1. Use systems engineering thinking and frameworks to effectively design, analyze, and implement integrated system solutions.
2. Demonstrate an applied mastery of the systems engineering technical domain including systems design, computation, modeling, analysis, and systems science.
3. Demonstrate an applied mastery of the systems engineering management domain including lifecycle processes, stakeholder management, leadership, and enterprise engineering.
4. Achieve a level of understanding which will contribute to the advancement of the systems engineering enterprise and profession.