SYSM 6325 Requirements Development and Integration for Complex Systems (3 semester credit hours)

Building on the premise that systems engineering is the glue that holds complex programs together, this course will teach the foundations of effective requirements development for complex systems. Students will learn principles and techniques used for early lifecycle development of system requirements. Additional topics will include an understanding of impacts of reliability, availability, maintainability, supportability, and transportability (RAMS-T) on complex systems, though deterministic and stochastic modeling and analysis, and effective system integration planning. Practical skills are developed through the use of case studies and a significant group project. Prerequisite or Corequisite: SYSM 6301. (3-0) Y