

Systems Engineering Analytics (EMSA)

Microcertificate in Systems Engineering Analytics

Admission Requirements: The Systems Engineering Analytics Graduate Microcertificate credential is open to students with a STEM undergraduate degree. Course pre-requisites or departmental consent for some courses may be required.

Students must apply for the Systems Engineering Analytics Graduate Microcertificate credential and be admitted to the Graduate School; the GRE requirement is waived for the Systems Engineering Analytics Graduate Microcertificate credential.

Students with an ABET-accredited engineering undergraduate degree after completion of the Graduate Microcertificate may apply to the Master of Science in Engineering Management or Master of Science in Engineering. Students who have a STEM degree may apply to Graduate Certificates in Engineering Management, Project Management, Operations Management, Lean Six Sigma, Homeland Security, and the Master of Science in Operations Management.

Requirements for the Systems Engineering Analytics Graduate Microcertificate (6 hours):

Required Course (3 Hours):	3
EMGT 56003 Systems Thinking and Systems Engineering	
Electives (select one):	3
INEG 54303 Cost Estimation Models or OMGT 54 Cost Estimation Models	
EMGT 50503 Tradeoff Analytics for Engineering Management	
EMGT 54403 Decision Models or OMGT 54 Decision Models	
Total Hours	6