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**