

SYSTEMS ENGINEERING, MASTER OF ENGINEERING (M.ENG.)

Non-thesis only: 30 credits required

All Professional Master of Engineering Programs consist of 10 courses/30 credits. All students are expected to complete a preliminary course plan for their intended degree program. Degree planning worksheets can be found here: <https://mage.umd.edu/degree-planning-sheets> (<https://mage.umd.edu/degree-planning-sheets/>)

Course	Title	Credits
Systems Core Courses (Required)		
ENSE621	Systems Engineering Concepts and Processes: A Model-Based Approach	3
ENSE622	System Trade-off Analysis, Modeling, and Simulation	3
ENSE623	System Development, Verification, and Validation	3
ENSE624	Human Factors in Systems Engineering	3
ENSE626	System Life Cycle Analysis and Risk Management	3
Systems Pre-Approved Technical Electives (Choose five:)		15
ENPM808	Advanced Topics in Engineering (ENPM808I Logistics)	
ENPM808	Advanced Topics in Engineering (ENPM808J Design of Experiments)	
ENPM808	Advanced Topics in Engineering (ENPM808K Advanced Systems Architecting)	
ENPM808	Advanced Topics in Engineering (ENPM808M Systems Engineering Management)	
ENPM808	Advanced Topics in Engineering (ENPM808T System Acquisition Process)	
ENPM808	Advanced Topics in Engineering (ENPM808V Quality Management Systems and Lean Six Sigma)	
Total Credits		30