ENGINEERING ARTIFICIAL INTELLIGENCE, 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
Engineering AI Required Core (take 4)		**12**
ENAI600	Probability and Statistics for Engineering AI (Probability and Statistics for Engineering AI)	
ENAI601	Numerical Methods for Engineering AI (Numerical Methods for Engineering AI)	
ENAI602	Foundations of Machine Learning for Engineering AI (Foundations of Machine Learning for Engineering AI)	
ENAI603	Foundations of Data Science for Engineering AI (Foundations of Data Science for Engineering AI)	
Engineering AI Core (choose 2)		**6**
ENAI604	Responsible, Trustworthy, and Sustainable Engineering AI (Fair, Ethical and Sustainable Engineering AI)	
ENAI605	Generative Engineering AI (Generative Engineering AI)	
ENAI606	Large Language Models for Engineering AI (Large Language Models in Engineering AI)	
ENAI607	Python Applications for Engineering AI (Python Applications for Engineering AI and Cloud Engineering)	
ENPM703	Fundamentals of AI and Deep Learning	
Pre-Approved Technical Electives (choose 4)		**12**
See Degree Planning Sheet for detailed course options.		
Total Credits		**30**