

CLOUD 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
Cloud Engineering Core (take two):		6
ENPM665	Cloud Security	3
ENPM818N	(Cloud Computing)	3
Cloud Engineering Additional Core (choose at least four):		12
Note: Any taken over the 4 required count as preapproved technical electives.		
ENPM818O	(Networks and Protocols for Cloud Engineering*)	3
ENPM818P	(Linux System Administration*)	3
ENPM818Q	(Python Programming*)	3
ENPM818R	(Virtualization and Container Technologies*)	3
ENPM818T	(Data Storage and Databases*)	3
Cloud Engineering Pre-Approved Technical Electives (choose four):		12
ENPM611	Software Engineering	3
ENPM613	Software Design & Implementation	3
ENPM631	TCP/IP Networking	3
ENPM657	Applied Cryptography	3
ENPM686	Information Assurance	3
ENPM693	Network Security	3
ENPM808	Advanced Topics in Engineering	3
ENPM809F	(Internet of Things*)	3
ENPM809K	(Fundamental Concepts of AI and Machine Learning, and Their Applications*)	3
ENPM809X	(Data and Algorithms*)	3
ENPM818F	(Network Automation* [ENPM818O])	3
Total Credits		30