ELECTRICAL AND COMPUTER ENGINEERING, POST-BACCALAUREATE CERTIFICATE (P.B.C.)

12 credits required

All Graduate Certificate in Engineering Programs consist of 4 courses/12 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
Core Courses (complete two):		**6**
Any ENEE 600-level or higher courses (see certificate planning sheet for specific restrictions)		
Technical Electives (choose two):		**6**
Any ENEE 600-level or higher courses		
ENPM615	Embedded Systems	
ENPM631	Advanced Networking	
ENPM808R	(Machine Learning Techniques Applied to Cybersecurity)	
ENPM808Y	(Fundamental Concepts of AI and Machine Learning, and Their Applications)	
ENPM809F	(Internet of Things)	
ENPM809R	(Software Defined Networking)	
ENPM809X	(Data and Algorithms)	
Total Credit Hours		12