

ELECTRONIC PACKAGING, 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://advancedengineering.umd.edu/degree-planning-sheets> (<https://advancedengineering.umd.edu/degree-planning-sheets/>)

Course	Title	Credits
Required courses:		
ENME690	Mechanical Fundamentals of Electronic Systems	3
ENME695	Design for Reliability	3
Select two of the following:		6
ENME737	Application of AI in Reliability: Prognostics and Systems Health Management (PHM)	
ENME770	Life Cycle Cost and System Sustainment Analysis	
ENME780	Mechanical Design of High Temperature and High Power Electronics	
ENRE600	Fundamentals of Failure Mechanisms	
ENRE602	Principles of Reliability Analysis	
ENRE641	Probabilistic Physics of Failure and Accelerated Testing	
Total Credits		12