ENVIRONMENTAL 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://advancedengineering.umd.edu/degree-planning-sheets (https://advancedengineering.umd.edu/degree-planning-sheets/)

Course	Title	Credits
Select four of the following:		12
ENPM621	Heat Pumps and Beyond: Decarbonization Strategies and Software Tools for Modern Thermal Systems	
ENPM622	Energy Conversion I - Stationary Power	
ENPM623	Engineering Combustion Emissions for Air Pollution Control	
ENPM624	Renewable Energy Applications	
ENPM625	Heating, Ventilation and Air Conditioning of Buildings	
ENPM626	Environmental Energy Security	
ENPM627	Environmental Risk Analysis	
ENPM635	Thermal Systems Design Analysis	
ENPM651	Heat Transfer for Modern Application	
Total Credits		**12**