

# CLOUD ENGINEERING, POST-BACCALAUREATE CERTIFICATE (P.B.C.)

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Non-thesis only: 12 credits required

All Professional 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
<b>Cloud Engineering Core (take two):</b>		<b>6</b>
ENPM665	Cloud Security	3
ENPM818N	(Cloud Computing)	3
<b>Cloud Engineering Additional Core (choose two):</b>		<b>6</b>
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
<b>Total Credits</b>		<b>12</b>