

# EMBEDDED SYSTEMS, POST-BACCALAUREATE CERTIFICATE (P.B.C.)

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**Non-thesis only:** 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   |
|--|--|-----------|
| <b>Embedded Systems Core Course (required)</b>   |  |           |
| ENPM615  | Embedded Systems   | 3         |
| <b>Embedded Systems Electives (choose three)</b> |  | <b>9</b>  |
| ENPM818G   | (Embedded Systems Hardware)                                |           |
| ENPM818I   | (Embedded Software Design and Optimization)                |           |
| ENPM818J   | ((Real Time) Operating Systems)                            |           |
| ENPM818K   | (Embedded System and IoT Security)                         |           |
| ENPM818L   | (Low Power Design for Embedded Systems)                    |           |
| ENPM818M   | (Introduction to Networking and Distributed Systems 5G/6G) |           |
| <b>Total Credits</b>                             |  | <b>12</b> |