



Embedded Systems

Graduate Certificate in Engineering: 12 credits / 4 courses

Students pursuing a Graduate Certificate in Engineering must complete four of the following courses:

NOTE: Any courses not listed above must be approved by the Senior Academic Advisor **PRIOR** to registration.

Embedded Systems Core (required):	
ENPM615 Embedded Systems*	(every fall)

Embedded Systems Electives (choose three):	
ENPM818G Embedded Systems Hardware* [ENPM615]	(every spring)
ENPM818I Embedded Software Design and Optimization*	(Fall 2025, every 1.5 years)
ENPM818J (Real Time) Operating Systems*	(every spring)
ENPM818K Embedded System and IoT Security*	(Spring 2025)
ENPM818L Low Power Design for Embedded Systems*	(Fall 2025, varies)
ENPM818M Introduction to Networking and Distributed Systems 5G/6G*	(every fall)
ENPM664 Embedded System Hacking and Security*	(every spring)
ENPM818B Smart Grid*	
ENPM818V 5G Advanced Communication Networks and Devices, System Designs and Protocols*	(Spring 2026)

NOTE: Any courses not listed above must be [approved](#) by the Program Manager for Academic Advising **PRIOR** to registration.

KEY	
Online Option *	(offering information)
[Prerequisite course]	

NOTE: All offerings are tentative and subject to change.