

MACHINE LEARNING FOR EMBEDDED SYSTEMS GRADUATE CERTIFICATE

Banner Code: EC-CERG-MLES

Website: <https://volgenau.gmu.edu/academics/electrical-and-computer-engineering>

ECE 618	Hardware Accelerators for Machine Learning	
ECE 651	Advanced Learning From Data	
ECE 653	Machine Learning Security and Privacy	
Total Credits		6

Admissions & Policies

This program was added to the 2023-2024 University Catalog on *December 5, 2023*. This new program has been approved with an initiation term of Spring 2024.

Admissions

The graduate certificate is open to all students who hold baccalaureate degrees in scientific and engineering disciplines from accredited universities in accordance with Graduate Admission Requirements (<https://catalog.gmu.edu/admissions/graduate-policies/#text>). Non-degree graduate students are welcome to apply. Current degree seeking students in the College of Engineering and Computing may request admission as a secondary degree (<https://catalog.gmu.edu/policies/academic/graduate-policies/#ap-6-8-1>).

Policies

A cumulative GPA of 3.00 is required, and at most one course with a grade of C may be applied toward the certificate.

For policies governing all graduate certificates, see AP6.8 Requirements for Graduate Certificates. (<https://catalog.gmu.edu/policies/academic/graduate-policies/#ap-6-8>)

Requirements

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Certificate Requirements

Total credits: 12

This certificate may be pursued on a full-or part-time basis.

Required Courses

Code	Title	Credits
ECE 527	Learning From Data	3
ECE 554	Machine Learning for Embedded Systems	3
Total Credits		6

Electives

Code	Title	Credits
Select two courses from the following list:		6
ECE 556	Neuromorphic Computing	
ECE 552	Big Data Technologies	
ECE 617	Distributed and Federated Learning	