

ECSE 551. MACHINE LEARNING FOR ENGINEERS.

Credits: 4

Offered by: Electrical & Computer Engr (Faculty of Engineering)

Terms offered: Fall 2025, Winter 2026

View offerings for Fall 2025 or Winter 2026 in Visual Schedule Builder.

Description

Introduction to machine learning: challenges and fundamental concepts. Supervised learning: Regression and Classification. Unsupervised learning. Curse of dimensionality: dimension reduction and feature selection. Error estimation and empirical validation. Emphasis on good methods and practices for deployment of real systems.

- Corequisite: ECSE 343 or ECSE 543 or MATH 247
- Prerequisite(s): (ECSE 250 or COMP 250) and (ECSE 205 or MATH 323)
- Restrictions: Not open to students who have taken or are taking COMP 551.

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