

# ECSE 439. SOFTWARE LANGUAGE ENGINEERING.

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Credits: 3

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

Terms offered: Winter 2026

[View offerings for Winter 2026 in Visual Schedule Builder.](#)

## Description

Practical and theoretical knowledge for developing software languages and models# foundations for model-based software development# topics include principles of model-driven engineering# concern-driven development# intentional, structural, and behavioral models as well as configuration models# constraints# language engineering# domain-specific languages# metamodeling# model transformations# models of computation# model analyses# and modeling tools.

- (3-2-4)
- Prerequisites: ECSE 321 or COMP 303.
- Restricted to Software Engineering students.

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