

# BMDE 521. COMPUTATIONAL METHODS SINGLE- CELL

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Credits: 3

Offered by: Medicine (Faculty of Engineering)

Terms offered: Fall 2025

[View offerings for Fall 2025 in Visual Schedule Builder.](#)

## Description

Computational methods (particularly machine learning methods) for various single-cell data analysis, modelling, and visualization tasks that could drive novel biomedical discoveries, focusing on “real-world” biomedical applications.

- Prerequisites: MATH 203, MATH 223, MATH 323, one course in computer programming and additional background in Calculus and Probability is required (e.g., MATH 222, MATH 204), or permission of the instructor.
- Restrictions: Not open to students who have taken or are taking EXMD 521.

Most students use Visual Schedule Builder (VSB) to organize their schedules. VSB helps you plan class schedules, travel time, and more.

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