

# EARTH SYSTEM SCIENCE MINOR (B.SC.) (18 CREDITS)

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**Offered by:** Earth & Planetary Sciences (Faculty of Science)

**Degree:** Bachelor of Science

**Program credit weight:** 18

## Program Description

The Minor in Earth System Science combines interdisciplinary knowledge with quantitative tools to explore global connections between the atmosphere, oceans, solid Earth, and the dynamic ecological and human processes at the Earth surface. The program aims to provide fundamental understanding relevant to navigating the challenges of sustainability and climate change, and addresses timescales ranging from the vastness of Earth history to the fast-moving events of the Anthropocene.

**Note:** For information about Fall 2025 and Winter 2026 course offerings, please check back on May 8, 2025. Until then, the "Terms offered" field will appear blank for most courses while the class schedule is being finalized.

## Required Courses (12 credits)

Expand allContract all

Course	Title	Credits
ESYS 200	Earth-System Interactions.	3
ESYS 300	Earth Data Analysis.	3
ESYS 301	Earth System Modelling.	3
ESYS 500	Collaborative Research Project.	3

## Complementary Courses (6 credits)

6 credits (3 credits from two of the three ESYS Departments: EPSC, ATOC, or GEOG), at the 300 level or higher, in consultation with the ESS student adviser.