

# ATOC 521. CLOUD PHYSICS.

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Credits: 3

Offered by: Atmospheric & Oceanic Sciences (Faculty of Science)

Terms offered: Fall 2025

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

## Description

A detailed overview of the environmental factors and microphysical processes involved in the formation of clouds and precipitation. Topics typically include: cloud observations, atmospheric thermodynamics, environmental stability regimes, convection, the microphysics of the formation of cloud droplets and ice crystals, initiation of precipitation, aerosol–cloud interactions.

- Restriction: Not open to students who have taken ATOC 621.
- 3 hours
- Prerequisites (Undergraduates): ATOC 315, MATH 314, and MATH 315, or permission of instructor.

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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