

ATOC 357. ATMOSPHERIC AND OCEANIC SCIENCE LABORATORY.

Credits: 3

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

Terms offered: Winter 2026

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

Description

Students will gain hands-on experience in several fundamental atmospheric and oceanic science topics through practical experimentation. A diverse set of experiments will be conducted, ranging from in situ observations in Montreal, to remote sensing of clouds and radiation, to laboratory chemistry and water-tank experiments. As a background for these experiments, students will receive training on sensor principles and measurement error analysis, as well as the fundamental physical processes of interest in each experiment. They will learn to operate, and physically interpret data from, various sensors for in situ and remote observation of meteorological variables. Their training will also extend to operational weather observations, analysis, and forecasting.

- Prerequisite(s): ATOC 214 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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