

ACE 196

ACE 196 Instrument Technology

3 Credits

This course will introduce students to marine sensor technology, including underwater cabled observatories, shore-based coastal weather stations, autonomous instrument deployments and ship-based surveys. Students will learn about the diversity of marine sensors, why and how they are used, and the challenges and opportunities presented by operating technology in a marine environment. The course will provide opportunities for students to design and test sensor apparatus both in the lab and the field, analyze actual sensor data, and plan their own field missions. An introduction to basic seamanship at the end of the course will help students gain some of the skills necessary to work safely in the field.

Prerequisites

Pre-Calculus 11 or Foundations of Math 11

Transfer Credits

Explore transfer credit opportunities by visiting the BC Transfer Guide (<http://www.bctransferguide.ca>)

