

ACEnet Basics Seminars

Four hour-long lectures introduce the essentials of high-performance computing at ACEnet. A certificate of completion will be offered to those who attend all four. Questions are encouraged and your feedback will be solicited.

Subscribers at sites other than our four core locations (Antigonish, Fredericton, Halifax, and St. John's) can take in these lectures by teleconference on May 6, 8, 13 and 15 at any of the ACEnet Collaboration Rooms listed at the bottom. Teleconference attendees in particular are invited to register in advance at <http://acenet-workshops.eventbrite.ca> so we can arrange to have your local Collaboration Room open for you. Core site attendees are also invited to register in advance, but last-minute walk-ins are welcome.

Introduction to ACEnet

What is ACEnet and what can it do for me? How do I get an account? Once I've got an account, how do I get connected and start doing things?

Dalhousie (Sexton Campus)	Thursday, May 1, 12:30 PM ADT	Sexton C350
Dalhousie University	Tuesday, May 6, 12:30 PM ADT	Chase (Math) 305 and all Collaboration Rooms
St. Francis Xavier University	Monday, May 5, 2:00 PM ADT	PSC1096
University of New Brunswick	Friday, May 9, 1:30 PM ADT	GE-131
Memorial University	Tuesday, May 6, 10:30 AM NDT	EN-4034

Introduction to Unix Command Line

Learn the basic commands and concepts needed to work with the Unix/Linux command line interface.

Dalhousie University	Thursday, May 8, 12:30 PM ADT	Chase (Math) 305 and all Collaboration Rooms
St. Francis Xavier University	Thursday, May 8, 2:00 PM ADT	PSC1096
University of New Brunswick	Friday, May 16, 1:30 PM ADT	GE-131
Memorial University	Thursday, May 8, 10:30 AM NDT	EN-4034

Introduction to Shell Scripting

Exercise the power of the command line with shell scripting.

Dalhousie University	Tuesday, May 13, 12:30 PM ADT	Chase (Math) 305 and all Collaboration Rooms
St. Francis Xavier University	Monday, May 12, 2:00 PM ADT	PSC1096
University of New Brunswick	Friday, May 23, 1:30 PM ADT	GE-131
Memorial University	Tuesday, May 13, 10:30 AM NDT	EN-4034

Job Management with Grid Engine

How the job scheduler works, and how to make it work better for you.

Dalhousie University	Thursday, May 15, 12:30 PM ADT	Chase (Math) 305 and all Collaboration Rooms
St. Francis Xavier University	Wednesday, May 14, 2:00 PM ADT	PSC1096
University of New Brunswick	Friday, May 30, 1:30 PM ADT	GE-131
Memorial University	Thursday, May 15, 10:30 AM NDT	EN-4034

ACEnet Focus Seminars

Focus Seminars cover more specialized topics than the Basics Seminars, and are delivered via teleconference technology to any or all of the ACEnet Collaboration Rooms on various campuses across Atlantic Canada. For the location of the Collaboration Room on your campus, see the list at the bottom of the page. To ensure your local collaboration room is set up for you, please register for any workshop you plan to attend at <http://acenet-workshops.eventbrite.ca>

Grid Engine

Managing Many Jobs

How to handle dozens or hundreds of jobs without typing “qsub” every time, using templates, loops, and task arrays. This is a **two-hour** hands-on workshop that will be most useful if you already have an ACEnet account and bring a laptop so you can do the exercises.

Tuesday, May 20, 12:30 PM ADT, 1:00 PM NDT

Instructor: Ross Dickson

Parallel Programming

An introduction to parallel programming and two of the most common parallel APIs: MPI and OpenMP. Delivered over videoconference to your local ACEnet collaboration room.

Parallel Programming Overview

The terminology of parallel programming, and a little about how it can (and can't) help.

Thursday, May 22, 12:30 PM ADT, 1:00 PM NDT

Instructor: Ross Dickson

Lightning Introduction to MPI

A one-hour crash course in the primary tool for writing message-passing parallel programs.

Tuesday, May 27, 12:30 PM ADT, 1:00 PM NDT

Instructor: Ross Dickson

Lightning Introduction to OpenMP

A one-hour crash course in the primary tool for writing shared-memory parallel programs.

Thursday, May 29, 12:30 PM ADT, 1:00 PM NDT

Instructor: Joey Bernard

General Programming

Make and Makefiles

Many programs come as source code and a mysterious Makefile, with instructions like “make all; make install”. Here’s how it works, what can go wrong, how to fix it, and maybe even how to write your own.

Tuesday, June 3, 12:30 PM ADT, 1:00 PM NDT

Instructor: Ross Dickson

ACEnet Collaboration Rooms

Dal	SMU	St. FX	CBU	Acadia	UPEI	UNB	UNBSJ	MUN
Chase Bldg Room 305	Science Room 127	42 West St. Room 203	Technology Center T35	Huggins Room 154	Duffy Room 202	Gillin Hall GE 131	IH 215	Earth Sciences ER4015